

XSCE+IIAB SCHOOL SERVER MEETING - Agenda/Minutes (feel free to edit/add)

Say hi on the [server-devel mailing list](#) and [Freenode's #schoolserver](#) to join voice meetings live!

THIS DOC WILL BE ARCHIVED AFTER FEBRUARY 2017 as we transition to

<http://tinyurl.com/iiabminutes>

Thursday 10:30AM EST (NYC TIME) Feb 23, 2017 - voice call

1. Personal sync-ups
 - a. Avni - KOC Summit (March 2nd - <http://tinyurl.com/kocsummit>) planning - what can we accomplish - César not able to come Thursday.
 - b. Josh - Testing Raspbian Full Pixel (problems) & Pixel Lite (works, clicking every checkbox in Services!)
 - c. Anish using asterisk on my installs (port 5060) and ports in the range 10000:20000
2. Docs check-offs with Josh, Tim, Holt, George
 - a. Josh's surviving/refining install of both (Raspbian Pixel & Lite) images using doc:
<https://github.com/xsce/xsce/wiki/IIAB-Installation>
 - i. Are RACHEL instructions deprecated/sufficient @ <https://github.com/XSCE/xsce/wiki/IIAB-Installation#rachel> ?
 - b. Offline docs' internal path: does /opt/schoolserver/xsce/docs/ remain or is it moving to /library/www/html/info or such? Mnemonic location <http://box/info> has been finalized this week after speaking with many countries: for implementer/operator help docs (& later a copy of [Install Tips Video](#) that'll appear prominently @ <http://internet-in-a-box.org>). Much like OLPC "Getting Started" @ <http://laptop.org/start> Background: some teachers prefer <http://box/docs> to be reserved for kids *writing their own docs* w/ Nextcloud etc.)
 - c. "POWER OFF Server" excessive delay & button failure:
 - i. ~1.5 MIN (instead of ~15sec) shut down is increasingly normal & all too common (displaying "[Deconfiguring network interfaces](#)" for ~80 of those seconds often). Haitians/Teachers on-the-go need this brought back towards 10-20 sec, as it was in recent months, once we crack it, hopefully soon in LA possibly?
 - ii. iPhone 5 issue: "POWER OFF Server" button visible but not clickable
 - iii. Both above are in "Known Issues" @ bottom of [6.2 Release Notes](#) in case they aren't fixable prior to release.
 - d. All other doc check-offs from Item 4. Itemized @ Thur Feb 16!
3. Final images George & Tim want to generate for <http://xsce.org/downloads/xsce-release-6.2/rpi/> ?
 - a. Tim will remove 3-second delay later? (upon login to <http://box/admin> ?)
4. Possible use of Voxer for communication purposes
5. Nicaragua Collaborations
6. <http://tinyurl.com/iiabsummit> final approach!
 - a. Pitch = ASK ppl to throw out their assumptions to rethink "library" learning, for developing worlds especially ~ IF+WHERE committed civic mentoring/reading/intellectual cultures are still possible ~ UPON those technologies that still unite, not just divide...
7. <yr item here>

Monday 10:30AM EST (NYC TIME) Feb 20, 2017 - voice call

1. IIAB 6.2 Release Blockers?
2. Doc Cleanup (checking off + sanitizing all core docs in Thur Feb 16 Item 4. below!)
3. Much progress with Josh, Tim & George, taxiing towards the IIAB/XSCE 6.2 runway.

4. Save NextCloud implementation for release 6.3/7.0/X whatever the case may be
5. Discussion of Menuing functionality moving forward
 - a. We could use proficient CSS developer for better compatibility with mobile devices
6. How do we recruit quality members for IIAB development/testing/marketing/etc
 - a. Ask people to install IIAB and provide notes/issues
 - b. Feel people out for interests and vision
7. Tim's working on incorporating Nginx into IIAB but having issues with a possible collision with menuing and active portal working well together
8. <yr item here>

Thursday 10:30AM EST (NYC TIME) Feb 16, 2017 - voice call

1. Personal sync-ups
 - a. George: can our github/wiki docs be offlined?
 - i. Markdown->HTML using pandoc?
 - ii. Name it "iiabdocs" or what? (Don't call it Wiki, as it ain't at that point! --Tim)
 - iii. Incorporate it into Admin Console or where?
 - b. Tim: Proxying Kiwix using Nginx now works! (Captive Portal consideration critical)
 - i. Scheme should likely work with KA Lite too!
 - ii. Problem Was: Nginx was returning zipped content: basically a "dontzip" flag
 - iii. Unfort latest Nginx (1.11) doesn't run on Debian 8 (Jessie), only on pre-release Debian 9 (Stretch). Nginx 1.6 might be poss however?
 - iv. Maybe we don't need Apache anymore, given even Kiwix no longer needs it?
 - v. Transition to dnsmasq instead of traditional DNS (named) in future?!
 - c. Josh:
 - i. Nextcloud PR (in both senses!) coming together with George? (SEE BELOW!)
 - ii. OrangePi 1 -> \$49/52 OrangePi Plus2 (2GB RAM) claims it runs Raspbian??
Tho 64GB limit on SD slot. 16GB of eMMC onboard. SATA port supports < 2TB.
Barrel connector not MicroUSB power. Kernel Support: will IIAB run w/o trauma?
 - iii. Tim: many models, not all support raspbian. Not sure Plus2 does.
 - d. Anish installed Asterisk on XSCE:
 - i. Live Users & eager (like a village-wide Intercom, boosted via WiFi/dishes/dongles: [mailing list thread begins here](#))
 1. A GSM <--> WiFi bridge is functional. Anyone on GSM side can do inbound calls and be presented with an IVR, and anyone on the WiFi can make outbound GSM calls over WiFi. *I have setup a test phone number which is mostly up all day - so if anyone is interested to get a demo, pinch me for the details* - Anish
 - ii. SECN firmware already has "basic Asterisk" built-in, Terry Gillett might improve?!
 - e. Phil tested copying MicroSD cards, Transcend, (Severant?) etc for SPEED:
 - i. USB 3.0 fastest to Transcend, via Win32DiskImager (about 2 hours for 128GB)
 - ii. Reno suggests: "dd if=iso.img | pv | dd of=/dev/disk3"
 1. Ctrl-T works too (sometimes! Holt could not get Ctrl-T to work in Jan ;)
 - iii. George suggests: "dd if= of= status=progress" better than "kill -USR1 <jobsID>" (and Does in fact work on all recent OS's apparently!)
 - iv. Is "bs=1M" still best? Tim had problems with "bs=4M" (SD's failing!)
 - f. Avni:
 - i. POD's coming together @ SCaLE
 - ii. Met with Rudayna on Lebanon expanding from 1 to 5 schools? (Biju chose

Edebuntu for now, not Ubermix; 501c3 registration needs)

- iii. Suggests <http://dban.org> to “secure wiping” donated PC’s (drives not solid state?)
2. [usbmount fixes George completed 10 days ago](#) don’t arrive on any servers built over the last month:
 - a. Despite “git pull”, “./runtags usb-lib”, “Install Configured Options”, reboot etc- how to debug?
 - b. Unfort missing from <http://github.com/xsce/xsce> and <http://github.com/iab/iab> too?
 - c. Streamline+Simplify community workflows in 6.3 cycle, so bug fixes propagate more smoothly w/o getting lost, similar to Discourse & WordPress 1-Button Upgrade? (Evidently they too have many daily glitches from RC4 to RC5 to RC6 etc!) Are their 1-Button Upgrades something we might strive for within Admin Console for 6.3 or 7.0 etc?
3. Escalate {box OR box.lan} as the primary name across [all 7 zone files in /var/named-xs](#)
 - a. These are the 7 files of the form school.*.zone.*db in [/var/named-xs](#)
 - b. Or, if there’s reason not to go with this insurance policy, what’s that reason?
4. Doc Cleanup for 6.2 Release, as preview to future **Living Docs** inviting wiki-like WordPress “fieldback” comments, around <https://github.com/XSCE/xsce/issues/883> progress ongoing!
 - a. Resolve CentOS 7.3 partial/evolving/experimental support statement, making our testing needs precise so Tom Gilliard & others can help!
 - i. Perhaps similar to the way George layed out XO-testing-needs exactly halfway down [Install Doc](#) under section “Installation on OLPC XO laptops is not currently supported on release-6.2, due to lack of time to test the following general strategy”
 - b. Release Notes evolving, thanks to George @ <https://github.com/XSCE/xsce/commit/254398c689473f4946061230508ff9553c36f7bf>
 - c. George will update <https://github.com/XSCE/xsce/wiki/XSCE-Networking-Overview>
 - d. Tim will update [Dynamic Menuing doc](#) with new path/features.
 - e. Josh will update <https://github.com/XSCE/xsce/wiki/XSCE-Platforms> and help Holt/George validate <https://github.com/XSCE/xsce/wiki/XSCE-Installation> ? (Reno too if he has time!)
 - f. Holt will update **“What technical documentation exists?”** (<http://schoolserver.org/FAQ#18>) after suggestions of deprecations/additions were reviewed during call. Better yet:
 - i. <https://github.com/XSCE/xsce/tree/release-6.2/docs> deprecation strategy underway (with wiki-offlining strategy George initiated w/ Tim, see above!)
 - g. Clarifications from [@floydianslips](#) on where ownCloud v. Nextcloud vs Sandstorm.io community support consolidating is going!
 - i. Several of the key developers left ownCloud to start NextCloud (including “inventor”)
 - ii. ownCloud is having issues with financing and community support
 - iii. NC states that it will always be foss, OC enterprise features are not free
 - iv. NC app free, OC app is .99
 - v. ownCloud seems to be floundering where NC appears to be flourishing
 - vi. Don’t have any experience with Sandstorm but will try to install it on a VPS
 - vii. <https://twitter.com/nextclouders> active, looks promising!
 - h. A bit more precision as to which images contain what in places like <http://xsce.org/downloads/xsce-release-6.2/rpi/> (*not a red carpet, but the most brief comparison of best/available images would be great!*)
 - i. Far wider community invitation(s) for educators/implementers, beyond techie Release

Notes, deliberately outreachy in new ways for coming months @ [SCaLE](#) & everywhere!

5. <http://iiab.io> community forums upgraded to v1.8.0.beta6 = "v1.8.0.beta5 +12" & evolving with Anish:
 - a. Logo Geniuses!
 - b. Are 2-way email replies to Discourse working?
 - i. AK: I started receiving msgs today
 - c. Migrate GitHub->[irc](#) (great, succinct bot!) from github.com/xsce/xsce to broad github.com/iiab/iiab awareness, Enacting GitHub->Discourse community bot/sidebar too?
6. SCaLE Final Approach! (Feb 27 - Mch 6 around LA)
 - a. <http://tinyurl.com/iiabsummit>
 - b. Will Reno visit Reno?!
 - c. 14 proposals for IIAB/XSCE 6.3 listed under Jan 17 below: refine genuine community Needs vs halfalutin Desires, so that consensus can strengthen in LA
7. <yr item here>

Tuesday 10AM EST (NYC TIME) Feb 14, 2017 - voice call

1. 6.2 Docs Rock(s)
 - a. <https://github.com/XSCE/xsce/tree/release-6.2/docs> -> <https://github.com/xsce/xsce/wiki>
 - b. In future moving to <https://github.com/iiab/iiab/wiki> presumably?
 - c. <http://schoolserver.org/FAQ> glaring errors?
 - d. DRAFT Release Notes:
 - i. Outline Product Direction (and growing community!)
 - ii. Introduce <https://github.com/iiab/iiab> and <http://iiab.io>
 - iii. Known Issues from <https://github.com/xsce/xsce/issues>
2. QA Blockers to announcing 6.2 RC3 or Final on both repos? (mainline <https://github.com/xsce/xsce> branch release-6.2 & George's <https://github.com/georgejhunt/xsce> branch release-6.2)
 - a. kiwix-serve not booting and/or crashing: is cron job now mitigating this sufficiently?
 - i. What is the root cause?
 - ii. What logging will lead us to the root cause if we don't know?
 - iii. Is kiwix-serve from 2014 really still the best for future versions like 6.3/onwards?
 - iv. Recently discovered <http://download.kiwix.org/bin/0.10/>, but alas no arm. Think they are narrowing in on it though
 - b. DNS resolution of {box, box.lan, school, schoolserver etc} confirmed on localhost itself?
 - c. /etc/usbmount/mount.d/70-usb-library displays <http://box/usb> in all cases?
 - d. Defer to 6.2.1 or 6.3 after more user feedback on "stale USB link pollution" patterns -- clean up of broken symbolic links such as {USB0, USB1, USB2, USB3, etc} within /library/www/html/local_content
 - i. Can't we just delete all USB sticks' symbolic links on shutdown & reboot, given they're umounted anyway?
3. (In) security: Tim discovers USB stick vulnerability?
4. Living Docs Platform Choices -> Convergence <- Alignment With <http://iiab.io>
 - a. <http://community.rachelfriends.org>
5. <yr item here>

Thursday 10:30AM EST (NYC TIME) Feb 9, 2017 - voice call

1. Personal sync-ups
 - a. George got 6.2RC2 to run on Ubuntu 16.04 LTS

- b. Tim clarified [mwoffliner work](#) for Reno. Pushed further on Nginx (on port 80, selectively proxying to Apache on port 9000)
 - i. Owncloud failed so far?
 - ii. Kiwix proxying?
 - iii. Captive Portal should be far simpler than CoovaChilli (on RPi especially) v. "Nosplashdog" not yet avail yet on Debian Jessie
- 2. Internet-in-a-Box Logo Ideas @ <http://iiab.io/t/iiab-logo-call-for-designs/32> (and others by phone!)
- 3. Avni: ScaLE TNG (The Next Generation) Track for kids especially - Check email - would love further feedback on possible pods and volunteers to help
- 4. Adam Choi Townsend's analytics proposal *to be posted for comments & contributions*:
 - a. Avni caught up with Adam C. Townsend & Josh will as well this coming week?
 - i. Possible Analytics discussed (*in conversation w/ Avni*)
 - 1. Solar Equipment Monitoring
 - a. Inverter data
 - 2. Infrastructure Monitoring
 - a. Uptime - on/off
 - b. Processor usage
 - c. Battery
 - d. System monitoring
 - 3. School Administration Management Survey
 - a. OpenEMIS (<https://www.openemis.org/>)
 - 4. Application Usage
 - 5. Content Usage
 - ii. Holt & CScott want to understand (or at least consider) Wikipedia-editing as a vital piece of upstream flows.
 - b. What do (bottom-up, learners, educators) seek, ideally?
 - c. What indicators do (top-down, institutions, funders) seek, ideally?
 - d. Technicians-Managers-Curators-Librarians-Teachers-Students-Parents-Siblings-Mentors-Volunteers-Principals-Funders-Town-Feds-Church-UN-NGO's..thrive by uniting learner-institutional interests..with which needs in common?
 - e. On/Off patterns & diagnostics? Internet? Literacy? KA Lite directions? Kiwix Proxy? AWStats popularity of Content Packs, visible to locals especially?!
 - f. LA Feb 27 - Mch 5 summit [plans finalizing!](#)
- 5. KA Lite 0.17.0: is stability coming? <https://github.com/learningequality/ka-lite/commits/0.17.x>
- 6. <yr item here>

Monday 10AM EST (NYC TIME) Feb 6, 207 - voice call

- 1. F24 viability or similar for https://twitter.com/don_watkins presumably based on George Hunt's Sept 9 build from <http://xsce.org/downloads/xsce-release-6.1/rpi/> ?
- 2. Bug Scrub @ <http://etherpad.mit.edu/p/base-6.2-bugs> -> <https://github.com/xsce/xsce/issues>
 - a. **6.2 RC2** emerging: <http://github.com/xsce/xsce> Branch: release-6.2)
 - i. George's XO-1.5 test @ <http://xsce.org/downloads/xsce-release-6.2/xo-1.5/>
 - ii. For RPi2 (with the right WiFi!) & RPi3, we have Tim's test images on Pixel Lite, and George's test image using the full Pixel OS @ <http://www.xsce.org/downloads/xsce-release-6.2/rpi/> ([README](#))
 - iii. Also try "[installing from scratch](#)" onto Debian 8.7.1 on a VM or PC/NUC/BRIX
 - b. 6.3 spec prelims & [proposed repo layout](#) around <http://github.com/iiab/iiab>
- 3. Living Docs Platform Choices -> Convergence <- Alignment With <http://iiab.io>

- a. Are Email replies to <http://iiab.io> important? (Worth the IT/de-spamming/support price?)
- 4. <yr item here>

Thursday 10:30AM EST (NYC TIME) Feb 2, 2017 - voice call

1. Personal sync-ups
2. LA Feb 27 - Mch 5 mini-summit [plans coming into view!](#)
 - a. Which ScaLE volunteer recruitment tasks & strategic challenges can drive our 2017 product/community focus?
 - b. Considering ScaLE community's DevOps/Ubuntu/Docker/Vagrant focus especially?!
3. XSCE/IIAB 6.2 is moving close to the gate fast:
 - a. Can we deliver 6.2 on/by Valentine's Day, to materially broaden our "testing love" Feedback Loops? (Beyond just Tom/Satellit, Phil, Holt, and well before IIAB Summit in LA / ScaLE, so 6.3 can begin!)
 - b. Does it help Release Candidate a week in advance, around Feb 7?
 - c. <https://github.com/xsce/xsce/issues> is helping us focus on important Pain Points, even if not all quickly solvable. That's reality (far better to *document existing issues* in our release notes, upon release) possibly including...
 - i. Debian 9 NUC/BRIX support needs a few more weeks/months. CentOS/Ubuntu may follow?
 - ii. schoolserver/school/box[.LAN] do not resolve on server itself due to "broken" /etc/resolv.conf on Raspbian
 - iii. Cron job to monitor/fix kiwix-serve when it crashes/fails daily or more often?
 - iv. Etc! Open challenges (essential invitations) articulated for all to Unlock/Solve.
4. Discourse-to-IRC community messaging bridge now live thanks to amazing work by Reno!
 - a. Where should this be documented for clean maintainability?
 - b. Is a similar mailing-list-to-IRC bridge needed?
 - c. Is channel #iiab on irc.freenode.net possib, as we increasingly transition to the IIAB name? - *I just registered #iiab on irc.freenode.net, and set guard on so nobody can hijack it - Anish*
5. Living Docs Platform Choices -> Convergence:
 - a. Should Anish consider the Discourse.org WordPress plugin to provide richer doc-collaboration support?
 - i. <https://wordpress.org/plugins/wp-discourse/>
 - ii. <https://meta.discourse.org/c/support/wordpress> ?
 - iii. *Is there hope of implementing Google Docs-style suggestion bubbles/comment threads over particular sentences/paragraphs? Signed and anonymous/pseudonymous?*
 - iv. *Is single-signon possible, linked to GitHub preferably, facilitating similar/such conscientious feedback loops?*
 - v. Or is WP-Discourse integration not plausible beyond the visual level (is Discourse merely acting as a quite distinct comment gallery below WP articles?)
 - b. Compare http://ka-lite.readthedocs.io/en/develop/installguide/release_notes.html ?!
6. <yr item here>

Tuesday 10AM EST (NYC TIME) Jan 31, 2017 - voice call

1. Bug Scrub @ <http://etherpad.mit.edu/p/base-6.2-bugs> -> <https://github.com/xsce/xsce/issues>
2. 6.2 spec finalization around <http://github.com/xsce/xsce> (Branch: release-6.2)
3. 6.3 spec prelims & [proposed repo layout](#) around <http://github.com/iiab/iiab>

4. Living Docs Platform Choices -> Convergence:
 - a. SEE below Jan 23 (Item 4.), Jan 26 below & above Feb 2 agenda!
 - b. Discourse-WordPress plugin(s) discussion, comparing GDocs comment bubbles etc!
5. <yr item here>

Thursday 10:30AM EST (NYC TIME) Jan 26, 2017 - voice call

1. Personal sync-ups
 - a. <http://IIAB.io> with Anish
 - b. Josh success w/ Nextcloud
 - c. Reno working with Kiwix to improve image compression in [mwoffliner](#) & zimwriterfs
 - d. Tim
 - i. will arrange account for Reno on Mark's machine
 - ii. OS Experimentation: Debian 8.7, Debian 9, Ubuntu 16.04
 - iii. Tim playing with Vagrant & Docker etc, espec as testing environment/workflow:
 1. https://en.wikipedia.org/wiki/Travis_CI
 2. <https://hub.docker.com> (orchestrated thru Vagrant?)
 - e. George pushed hard, but frustrated with LAN Controller / Gateway modes etc on RPi.
 - f. Phil will work with Holt this evening.
2. Is [6.2](#) done? No -- still working on LanController network config --gh
3. [ownCloud.org](#) -> [nextcloud.com](#) "better" or [Sandstorm.io](#) (proposed for XSCE/IIAB 6.3, see below)
 - a. Josh conclusions around community platform we can bet on long-term ?
 - b. Josh has a nextcloud playbook prototype! But seeking install-from-scratch onto RPi3, as stock instructions <https://github.com/XSCE/xsce/wiki/XSCE-Installation> aren't enough? And/or seeks an image that does NOT contain ownCloud in any way.
 - c. Always edit **local_vars.yml**, not default_vars.yml !
4. Living Docs Platform Choice: plz help evolve from Jan 19 minutes!
 - a. Can Forums @ <http://IIAB.io> interlink/interoperate with this, GitHub, Travis-CI, etc?
 - b. Tim testing a basic doc to see how editable/commentable it is by others -- please log in and try @ <http://iiab.io/t/installation-on-nuc/21> !
 - c. Anish: Is WordPress plugin on Discourse best? See Feb 2 Agenda above.
5. LA Agenda tuning for Feb 27 - Mch 5: <http://tinyurl.com/iiabminutes>
6. <yr item here>

Monday 10AM EST (NYC TIME) Jan 23, 2017 - voice call

1. Bug Scrub @ http://etherpad.mit.edu/p/XSCE_on_RPi3 ~> <http://etherpad.mit.edu/p/base-6.2-bugs> -> <https://github.com/XSCE/xsce/issues>
 - a. Final Testing Matrix for Phil H. in NYC?
 - i. Do USB memory sticks w/ "share" folder work 100% @ <http://school.lan/content> ?
 - ii. Is <http://box.lan> and <http://box> possible for 6.2?
 - iii. Auto-test & manual test priorities analogous to our [late 2013 testing matrix](#) ?
 - iv. Automated Testing [debated in March 2015](#), but much has changed since!?
2. Validate 6.2 & 6.3 proposed repos -> specs -> roadmaps:
 - a. [Repo Re-org Proposal](#) (please comment!!)
 - b. 6.2 Beta: feature-complete by definition: aim for Candidate Release this month?
 - i. What level of docs demonstrate a quality/inclusive welcome to the RPi3 world?
 - ii. Target ETA to declare victory with 6.2 Bug Scrub above w/ final testing matrix?
 - c. 6.3 Alpha: refine the 8 proposals under 1. b. from Jan 17 minutes below!

3. Confirm new workflow @ <http://github.com/iiab/iiab> satisfactory?
4. Living Docs Platform Choice @ 1. b. vii. in Jan 17 minutes below: *which can we eliminate/upvote?*
 - a. Clean triage of spam-vs-real comments below (or to the right of) docs--how are these auto-emailed to top docents/volunteers to keep everything fresh?
 - b. WYSIWYG editor truly needed or not?
 - c. Does <http://schoolserver.wordpress.com> | DokuWiki make it too hard to auto-migrate docs/comments onto all offline devices?
 - i. E.g. xsce.readthedocs.io, eg: <http://prose.io/#m-anish/xsce/edit/master/docs/index.rst> , <http://wordpress.com> , <http://xsce.org/wiki/start> , flarum.io , discourse.org e.g. discuss.xsce.org
 - d. *Curated Subset (key topics) for teachers/operators.*
 - e. *Conversely xsce-devel | server-devel | iiab-devel archives (searchable) for those offline folks who want all nitty-gritty! RSS?*
5. <yr item here>

Thursday 10:30AM EST (NYC TIME) Jan 19, 2017 - voice call

1. Personal sync-ups
 - a. Tim - firmware for debian on nuc
 - b. APK's now compile for sideloading Es + Fr, Eureka!
 - c. Adam Choi Townsend's Analytics/Logging Strategy -> Consensus?
 - i. School Administration possibly too...Separate Call When?
 - ii. Bottom-up, Top-down views both, & Competing Interests!
2. LA Tuning Feb 27 - Mch 6: <http://tinyurl.com/iiabsummit>
 - a. Caryl & LA Organizers need our IIAB talk description paragraph!
 - b. [OSSIE Talks Schedule](#)
3. Shrinking+Slicing+Dicing WikipediaEN + OSM + Android Apps:
 - a. Sat Jan 21 11AM EST Call Prep: [mwoffliner](#) install issue is what?
 - b. Anish can use bounding boxes from <http://openstreetmap.org> -> **Export** tab, so help us generate compact regional subsets schools & all need, given the limited size of SD cards!
4. 6.2 & 6.3 Roadmap Emerging (review Jan 17 notes below!)
 - a. [Repo Re-org Proposal](#) (please comment!!)
 - b. Should 6.2 be base-6.2 or iiab?
 - c. <http://github.com/iiab/iiab> is going live, can George/Tim/Anish clarify how much history we are retaining, going back to XSCE 6.0 at minimum (ideally!)
 - d. What is our kiwix-serve strategy, given its crashy behavior, quasi-daily even in light use? What should it be?
 - e. Tony Anderson requests:
 - i. A LiveCD image to enable install alongside Windows (or other OS).
 - ii. An SD card image that runs on an RPI3.
5. Living Docs Platform Choice: see Jan 17 minutes (1. b. vii.) below & Jan 23 agenda (4.) above, examining the "AI" future of Support FAQ's (our very own http://wiki.laptop.org/go/Support_FAQ used to be the highest ranked worldwide interestingly ;)
 - a. Is threaded support increasingly viable via <http://search.twitter.com> ?
 - b. <http://discourse.org> platform is very solid: but more than we're ready for?
 - c. <http://schoolserver.wordpress.com> -> ???
 - d. What about gitter? It is integrated with github and twitter, and is interoperable with irc. Another option can be slack.

- e. Slack is like IRC on steroids. However, it's still just IRC. Gitter w/integration with github could be beneficial.
- 6. <yr item here>

Tuesday 10AM EST (NYC TIME) Jan 17, 2017 - voice call

1. Bug Scrub:
 - a. 6.2 Alpha -> Beta -> Release fast track:
 - i. Focus #1 transition to Debian/Raspbian = feature "parity" with XSCE 6.1
 - ii. Focus #2 increase maintainability = accessible documentation Welcome Path
 - iii. George's list of 8+ "broken" @ bottom of
http://etherpad.mit.edu/p/XSCE_on_RPi3 ~>
<http://etherpad.mit.edu/p/base-6.2-bugs>
 - iv. Goal: <http://github.com/ijab/ijab>
 - v. /opt/schoolserver/xsce/vars/local_vars.yml miracles: where to document now that it works?
 1. `services_externally_visible: True` (permits ports 3000 & 8008 over Ethernet, as campuses often need).
 2. `gui_wan: True` (handles port 80 similarly)
 3. `xsce_gateway_enabled: False` (blocks free WiFi Internet to random passersby)
 - b. 6.3 Alpha (New Priorities to be nurtured in parallel with above, can Tim Road-Map this?)
 - i. Captive Portal
 - ii. Network/Privacy Button [9 Feb 2017: Tim mentions logic fix needed, easy or not?]
 - iii. Currently: USB sticks/drives jump around on reboot etc (USB0, USB2 etc) with inserted sticks/drives getting randomly renumbered, for various reasons on various OS's presumably, with gaps in the numbering etc. Confusing to teachers/students during the critical first minutes of the lesson:
 1. If stale/broken links are fixable within /library/www/html/local_content (on power off or power on especially) should this be part of /etc/usbmount/mount.d/70-usb-library ? (Tim suggestion of 14 Feb 2017)
 2. (/etc/usbmount/umount.d/70-usb-library already works reasonably well; unlikely we'll be able to improve on this across all OS's!)
 3. If this is too hard to fix, can we execute "rm -f /library/www/html/local_content/USB[0-7]" in Tim's 2 scripts underlying buttons {REBOOT Server, POWER OFF Server} to avoid inflationary gaps?
 - iv. Dynamic Menuing (GUI simpler than WordPress/Dokuwiki) supporting essential local curation/ownership of Portal, if only up/down rearranging initially:
 1. Rearranging Content Packs (even illiterate teachers have great insights!)
 2. Is 1-step Removal of Content Packs feasible for a teacher, similar to Sugar 0.110's new [sugar-erase-bundle](#) ?
 3. Descriptions Improved/Translated/Shared by Local Teachers
 4. Cultivate Offline Comments by Students For Each Content Pack!
 5. Preliminary Sharing of Entire Content Packs via Bluetooth/WiFi, between teachers' Internet-in-a-Purse units "mating overnight"
 - v. Analytics = Local Empowerment not Surveillance:
 1. Content Pack Popularity for (a) Local Sharing (b) "NGO"

metrics/evaluation (see Avni's Feb 9th notes above, from Adam C. T. call)

- a. AWStats ranking (visible to all?)
 - b. Kiwix stats/clicks included! (kiwix-serve does not have to be rewritten!)
 - c. Nginx Proxy Apache: to capture suitable Apache-style logs, simplify Captive Portal, sometimes much faster than Apache, securing CMD-SRV now possible (Tim)
2. Actual Wikipedia Editing: *why can/can't this be part of the upstream flow?*
- vi. Set of quick configure scripts for networking functions, such as WiFi SSID rapid change *without* IT engineer or 10-30 min {./runansible, ./runtags}. Minimum:
1. WiFi SSID changer (textfield)
 2. "Firewall" button for schools/clinics wanting offline/privacy/security guarantee.
- vii. ~~Sugarizer 0.8~~ (DONE, already in 6.2!)
- viii. KA Lite [0.17.0](#) imminent @ <https://github.com/learningequality/ka-lite/milestone/52>
- ix. Kiwix-serve crashes "quasi-daily" even when barely used: is a new version of this daemon wise? Or conversely:
1. Is hourly cron-job "systemctl restart kiwix-serve.service" (already in 6.2) sufficient? If waiting for a radical "2018" upgrade of kiwix-serve is best?
- x. [ownCloud.org](#) -> [nextcloud.com](#) "better" or [Sandstorm.io](#) ?? (Josh?)
- xi. Live Documentation -- inviting comments from all at bottom (or on the right) while recruiting a docent to triage spam: (<http://xsce.readthedocs.io>, eg: <http://prose.io/#m-anish/xsce/edit/master/docs/index.rst> , <http://wordpress.com> , <http://xsce.org/wiki/start> , flarum.io , discourse.org)
1. Question: do we want two version control systems or one. Wordpress, wiki imply two. Prose.io, readthedocs.io imply one.
- xii. FDroid on server (15-20 best popular APK's used on school server in Spiti, enhancing curation of learning packs / whole smash / Linux distro!)
1. 100GB APK's (no all educational/safe obviously!)
 2. 110GB Ubuntu repo
 3. <http://Maps.Me> regional selections (map packages), vector-mapping, routing offline, offline edits
- xiii. 1-Button Upgrade within Admin Console, between versions and Release Candidates, similar to Discourse & Wordpress? Dramatically nourishing project->product community (testing coherence, authentic dogfooding) if viable! (Evidently they too have daily glitches from RC4 to RC5 to RC6 etc--and streams of social media reminders so community largely stays together in the same parade ;)
1. Obvious Fly-in-the-ointment: "scream-it-up folk" will demand the same IIAB upgrade patches be provided offline...to servers that have been offline for years (likely way too much to ask for in 2017?)
 2. Even more infeasible: folks who inevitably ask for mass offline content to be auto-upgraded (ain't going to happen, even in 2020!)
- xiv. *How can committed offline peeps distribute "Content Packs" amongst themselves, via sneakernet peer distribution, with a minimum of training?* Considering offline populations' more genuine/authentic/attainable grassroots

needs. e.g. Tim has some deeper ideas from June 2016's Decentralized Web conference (<https://www.decentralizedweb.net>) and the emerging IPFS-like DAT protocol (<https://datproject.org>).

1. WMF's CScott Ananian wishes we'd add Wikipedia-editing as an extremely lightweight layer, upon these peer2peer transmissions. Later/Sooner/If!
- xv. OpenVPN infra (xsccenet.net etc) may get overwhelmed soon...success is a good thing, but a security/scalability rethink is increasingly needed...is <http://weaved.com> necessary instead (for premium users anyway?)
- xvi. "POWER OFF Server" abd "REBOOT Server" buttons have serious usability problems [as of late Feb 2017] as documented in "Known Issues" at bottom of: <https://github.com/XSCE/xscc/wiki/IIAB-6.2-Release-Notes#known-issues>
- xvii. UX-centric Scrubbing of <http://xscc.org/downloads/xscc-release-6.2/> so Full Pixel & Pixel Lite share all services/personality in common, incl INSTANT-OPT-IN OpenVPN (XSCENET) for support/service during Beta programs & remote field support. Possibly transition to <http://Weaved.com> in future?
- xviii. Shutdown/Reboot Optimization -- killing ~80SEC lags at the source? <http://lists.laptop.org/pipermail/server-devel/2017-February/008111.html>
- xix. ?
- c. Quality Engineering per Adam Choi Townsend's questions below / last week:
 - i. What tracker/process brings community scalability = visibility to bug feedback?
 - ii. OLE.org uses Travis-CI for automated testing, but CentOS/Fedora [admit](#) CI ([Continuous Integration](#) or Community Infrastructure ;) will never happen unless ppl truly want it do :)
2. New github repo, above Goal <http://github.com/iiab/iiab>
3. Xscc.org ? vs iiab. Is it just a marketing issue?
4. 1st Class Content Packs. In the coming month for Columbia Univ perhaps: Dynamic Menuing doc <https://github.com/XSCE/xscc/wiki/XSCE-Menuing> will need freshening up with new directory /library/www/html/iiab-menu/menu-files/menu-defs, possibly with ready-to-go installable stub example, that works with most all XSCE's going forward? For comparison, perhaps also refer to a /library/www/html/home/index.html static menu, also ready-to-go installable.
5. Kiwix/ZIM documentation/community/alignment tactics with Tim & Emmanuel!
6. <yr item here>

Thursday 10AM EST (NYC TIME) Jan 12, 2017 - voice call

1. Personal sync-ups
2. IIAB/XSCE Summit: <http://tinyurl.com/iiabsummit>
3. Kids On Computers, Avni Khatri reports:
 - a. LA community action:
 - i. Thursday March 2nd (Kids On Computers Summit)
 - ii. Sat/Sun March 4 & 5 @ <http://socallinuxexpo.org> including "NexGen" kids' participation
 - b. Oaxaca, Mexico work trip during both weeks of April 15-30 @ 2-to-3 new labs/schools (and supporting others)
4. SolarLEAP with Adam Choi Townsend:
 - a. **Possible Event:** of a HK / Asia Hackathon
 - i. Timeframe autumn/Oct perhaps? Embrace US online participants over a wkld across 2 time-zones possibly, alongside a new kind of <http://olpcSF.org/summit> ?!

- ii. TK Kang (done!) & [Grace Ngai](#) & Sameer Verma introductions?
 - b. XSCE 6.1 on CentOS 7 observations:
 - i. Very configurable i.e. maintenance q's? Monit? Munin?
 - ii. **Question:** Process for bug feedback. **Answer:** post to xsce-devel list and GitHub and <https://webchat.freenode.net/?channels=#schoolserver>
 - iii. Nginx etc? Works better with Captive Portal. Doesn't work with htaccess / uwsgi traditions. Protecting our legacy, around Apache config especially.
 - 1. Tim: fronting Apache with NGinx together? Security issue needs to be solved (see Tim's uwsgi question below).
 - c. **Request for separate call:** Deep dive into monitoring tools / Analytics Realism for 2017
 - i. Tim: comparing schoolserver.xsce.org/awstats/awstats.pl
 - ii. KA Lite approach? See there irc, where
 - d. Interest in buying **Intel CAP 2 sample(s)** for US/Canada/Mexico volunteers, presum for IIAB / XSCE 6.3 QA this spring if so?
5. Reno McKenzie RPi2 install choices resolved?
- a. Challenge: finding best images! Image distribution. Finding the supported CentOS/Fedora; varying environment variables & prereqs can pose difficulties. Settled on Debian for RPi2, Ansible 2+...
 - b. Recommendation: images from GitHub wiki, so turnkey+easy; RPi3 image ran for him on RPi2, in his case:
http://www.xsce.org/downloads/xsce-release-6.1/rpi/fc24_content_ready-6.1-rpi3.img.zip
 - c. Does clonezilla help or hinder? (George)
 - d. <https://github.com/XSCE/xsce/wiki/XSCE-Installation> + <https://github.com/tim-moody/xsce-factory> (Ansible script for Reno; auto-senses Debian/CentOS & works --George) 👍
6. Josh Dennis advised "apt-get autoclean && apt-get autoremove" instead of "apt-get clean" and "yum clean all"
- a. I did not dare run autoremove on RPi3-Raspbian-128GB-ES-EN-FR-HT-MED, should I?
 - b. clean and autoclean did not recover any space, perhaps b/c George already ran these?
 - c. yum aliases, for our Red Hat/Fedora/CentOS legacy?
7. Testing Community Convergence:
- a. Tim plz help us roadmap 6.3 Alpha in coming weeks, so we create a published+focused+unified community testing loop underway before LA: around Sugarizer 0.8 integration/energy (and other deliberate field/quality engineering needs).
8. Tim - how to protect a socket in uwsgi or other python app server (like mod_wsgi)
- a. Security important b/c Admin Console allows some users to escalate key privs
9. Internet-in-a-Box talk Tim & Holt preparing for Mch 4->5 in LA @ <http://socallinuxexpo.org>
10. ownCloud #1 V. Calibre #2 V. WordPress #3....or [USB Stick Documents](#) ?!
- a. Rapid Action Workflow needs to be confirmed for NYC / Dominican Republic's accelerated involvement.
 - i. `http://<server>/owncloud Admin / changeme fails for now: "This can usually be fixed by <a href="http://doc.owncloud.org/server/7.0/go.php?to=admin-dir_permissions" target="_blank">giving the webserver write access to the config directory</a>."`
 - b. WYSIWYG editor?
 - i. Even a text editor that publicly saves. Then allows searching for docs. As lay as possible. (for lesson plans / custom material made by teachers)
 - c. ownCloud 8? Nextcloud? Sandstorm?

- d. NYC Deliveries of XSCE 6.2 Prototypes on RPi3 this wk, Final Push!
- 11. NTP progress from Josh Dennis, using our \$2 RTC modules inside RPi2 & RPi3:
 - a. Ansible playbook next?
- 12. Findings of dnsmasq and what it can do, how it can help. Limitations.
 - a. Dhcp leases must include dns server modification as part of lease
 - b. Chrome, when offline, can still attempt to initiate google searches instead of dns resolution
 - c. Therefore x.y will dns resolve (the dot tells chrome it's not a search)
 - d. and/or using <http://absolutelyanything> will work as well. But requires http.
 - e. Hostfile! 127.0.0.1 msn.com
- 13. Why is replacement lifetime of XSCE/IIAB often 1-year? Due to us needing to ship updates? Or SD card expiration? Answer: NGO/mission/govt/school system refreshes often occur on an annual basis, that's all.
- 14. 10GB Wikipedia (English for now) + 10GB OSM Slices Strategies + Android apps:
 - a. WikipediaEN: Next: 1. mwoffliner 2. ZIM creation + index creation
 - b. OSM: <http://xsce.org/downloads/content/> (incl Tim fixes: work with JSteres & JField [Javascript + PHP] February prior to arriving LA?)
 - c. Rebuilding Android apps affected by Kiwix changes ongoing (Tim)
 - d. Defer Saturday slicing/shrinking call from Sat Jan 14 to Sat Jan 21
- 15. <yr item here>

Tuesday 10AM EST (NYC Time) Jan 10, 2017 - voice call

- 1. Kiwix Documentation ideas, Tim: monolithic -> breaking out manageable components (e.g. tools), need interaction betw 3 repos?
 - a. More APK's needed for Medical especially
- 2. Collab Architectures, [Continuous Integration](#), Socially Aware Contribution Patterns, Open Project-to-Product Principles
- 3. More Immediate Technical Q's:
 - a. Do we want to fix the "Refresh ZIM's Installed List" button? GUI Workaround to force "xsce-make-kiwix-lib" :
 - i. Click "Restart Kiwix Server"
 - ii. Then reload Admin Console in browser.
 - b. ZIP almost 2X larger than advertized within Install Content -> Get ZIM Files from Kiwix. Fixable with Emmanuel? (e.g. wiktionary_en_all_2016-12 shown as 1.60GB presumably from *.meta4 in <http://mirror3.kiwix.org/library/library.xml>; but it's actually 2.8GB as shown correctly within <http://download.kiwix.org/portable/wiktionary/> -> kiwix-0.9+wiktionary_en_all_2016-12.zip)
 - c. Have the 13 scripts been fixed from #!/bin/sh to #!/bin/bash under /opt/schoolserver/xsce ?
 - d. Also the "n" bug. Are all ZIM download/install fixes testable via "git pull" against Dec 29/30 <http://download.unleashkids.org/xsce/downloads/os/rpi/> image(s) ?
- 4. <yr item here>

Thursday 10AM EST (NYC TIME) Jan 5, 2017 - voice call

- 1. Personal sync-ups
 - a. [Reno McKenzie](#), guest web developer/designer/implementer from Seattle area, [@RenoMcK](#)
 - i. Latest code: github.com/georgejhunt/xsce -b base-6.2 --depth 1

- b. George -- Played with clonezilla as an installer --UEFI, and remote ssh installs for big iron
 - i. Two partition system on USB stick (one writable)
 - ii. Wants to converge on a single system for install over different hardware
 - iii. Base 6.2 is stable and usable
- 2. How can we implement OSM with new tiles?
- 3. Backup solutions for OwnCloud? Storage in general?
- 4. What can we accomplish at ScaLE in LA?
 - a. Avni is going to write up a proposed agenda and list of discussion topics
 - b. This will help folks weigh the value of attending
- 5. Who can help us consolidate XSCE/IIAB precisely, as a critical brain trust in LA "Feb 28 - Mch 5" possibly including RACHEL/Kiwix ppl, concluding with <https://www.socallinuxexpo.org/scale/15x/>?
 - a. Is Jeremy Schwartz going to be there? If so Tim will go.
- 6. Possibility of having a unified catalog with Rachel?
 - a. Run Ansible after Rachel install script?
- 7. Captive Portal Final Approach for [XSCE 6.2](#):
 - a. Tim has intermittent success with CP.
 - i. Some people say that captive portal will not work with Firefox
 - ii. Browser tries to determine if it is on a captive portal, returns code 204 (if not captive)
 - iii. Reno is going to work on DNSmasq to solve issue
 - 1. Https intercept causes 'Man in middle warning'
 - 2. Downside to DNSmasq vs Captive Portal: no popup after connecting to wifi. Also needs DHCP to assign dns to each client.
 - b. Progress thanks to India feedback?
 - i. Anish not available
 - c. "iptables -save" conclusion on Intel CAP 2?
 - i. Info not relevant to Tim
 - ii. Would like to see the output - email to Jerry please.
 - d. Implement <http://box> and <http://box.lan> for good measure?
- 8. How hard would deletion of Content Packs be in 2017 (for teachers etc) similar to Sugar 0.110's new [sugar-erase-bundle](#) ?
 - a. Social "Network" to develop Zims and creating a unified Catalog?
 - b. Public facing wiki perhaps with hashtag identifier
- 9. ZIM slices/subset packaging/publication strategy, in prep for Saturday Jan 7th 11AM?
- 10. 6.2 "beta" with Spanish/Medical content testing delivered to NYC soon! Based on George's new [base-6.2 RPi3 draft images](#):
 - a. 6.2 release considerations?
- 11. SolarLeap.org:
 - a. Intel CAP 2 sample/performance?
 - b. Shaping the right demo (schoolserver.xsce.org for now?)
 - c. *Log/analytics long-term -> medium-term goals: Where is consensus poss betw diff groups?*
 - d. Apache/nginx/lighttpd temptations/reasons?
- 12. Can we do better than Firefox 25/26 on XO-1.5 and similar? In Gnome initially, Sugar later? [FF50](#) screen size issues annoying but tolerable, [lack of sound](#) perhaps worse?
- 13. NTP progress from Josh, for client machines in offline communities?
 - a. No chance to work on it yet.

14. Do we want a torrent of images?
 - a. More difficult to have control of content
 - b. In the future for distribution possibility

Thursday 10AM EST (NYC TIME) Dec 29, 2016 - voice call

1. Personal sync-ups
 - a. Adam Choi Townsend, guest from SolarLeap.org (Exec Director) reviews [Intel CAP 2](#), Riverbed internet caching, and evolving tracks
2. Captive Portal Final Approach
 - a. Tim: Anish will email his buddies in India for FreeRADIUS+CoovaChilli install exact steps (sets up for cybercafe scenario by default, but we want to pass folk thru to home page, rather than pass folk thru to Internet/Web; also leave off Radius/authentication if possible... what does "iptables -save" yield as root?)
 - b. Which best among 4 approaches summarized last week?
3. Kiwix-serve mod/alignment strategy?
 - a. xsce-make-kiwix-lib needs to be modified
 - b. ZIM slices/subset packaging/publication strategy?
4. Shipping 6.2 alpha/beta as needed now by DR (in both senses, Dominican Republic doctors!)
 - a. Expansion of SD card now works, Thanks George!
 - b. George publishing a possible build that Holt will add content to for several NYC folk
 - c. [XSCE 6.2](#) priority refinements can and should follow for Broad Launch
5. Can we nominate a representative public URL video to help drive http://wiki.laptop.org/go/Browser_improvements ? Possibly in several sizes/variations to confirm suitability (or non-suitability) on most plausible browsers across XO Laptops:
 - a. Can a tar install of Firefox on XO-1.5 (etc) more up-to-date and better?
6. March Meeting before [SCaLE](#) conf gets into full swing in Pasadena March 2-5?
7. Josh question about ntp issuing (synchronizing) time from server to client machines:
 - a. Just a pkg u have to pull in? Ansible playbook later if proven?
8. <yr item here>

Thursday 11AM EST (NYC TIME) Dec 22, 2016 - voice call

1. Personal sync-ups
 - a. GH:
 - i. looking at [s://github.com/nodogsplash/nodogsplash](https://github.com/nodogsplash/nodogsplash)
 - ii. awstats reporting
 - b. Tim: much Captive Portal progress, see below...
 - c. Avni:
 - i. Lebanon Ubermix update/ongoing
 - ii. Mexico trip around April 16-30 (Tim & Randy especially, with Cesar?)
2. Captive Portal Options:
 - a. [Nodogsplash](#) George worked on above
 - b. [CoovaChilli 1.4](#) but Tim observes: [Radius](#) not nec for most, and latest Radius not even workable for Raspbian etc...try Anish's CoovaChilli CentOS implementation: look at [/etc/chilli/www/](#) (search for login.chi ?) for redirect to <http://school.ian>
 - i. Anish clarifies: CoovaChilli still requires DNS jail/blackhole!
 - ii. Anish sees 3 very common scenarios/needs:
 1. NO Internet - chilli + dnsjail
 2. Intermittent Internet, flaky DNS, Etc - needs experiments

3. Good Internet - chilli without dnswall
 - c. Intel's <https://github.com/rachelp/project/contentshell> (simple iptables rules + PHP redirect script) etc, but HTTPS not yet possibly?
 - d. [PacketFence](#) sophisticated / freemium model, but we perhaps complex?
3. Recompiling or Modify kiwix-serve for basic logs?
 - a. Radical changes coming mean what? (Beyond index being included within ZIM's) Project plan posted online somewhere...
4. Anish's Astronomy ZIM: <http://125.23.112.6/apod-4.zim> (httrack creating too much cruft? Upstream to Kiwix?) There is an Android app... (NASA Astronomy Picture of the Day)
5. XSCE 6.2 Convergence:
 - a. 192George's testing of "soft-coded links" for Tim complete? Done.
 - b. Tim Question: MySQL for all? Done.
 - c. Captive Portal: DNS Jail/Blackhole -> [CoovaChilli 1.4](#) -> [PacketFence](#) ?
6. <yr item here>

Wednesday 10AM EST (NYC TIME) Dec 14, 2016 - voice call

1. Personal sync-ups
2. Base 6.2 Belt-tightening / Prelim Testing Priorities? E.G.
 - a. Captive Portal as DNS Jail (fully offline deployments, George success)
 - b. Captive Portal in semi-offline deployments (how to transition from above)
 - i. Are Squid-like Proxy Caches even still viable, with [HTTPS EVERYWHERE](#) ?
 - c. [CoovaChilli](#) 1.3.0 -> 1.3.1.4 -> [1.3.2](#) -> "[imminent 1.4](#)" (Tim success, [ongoing](#), uses haserl lightweight httpd server...or should we look at <http://packetfence.org> which may have more momentum?)
 - d. NUC-like Big Iron: should [Debian 8.6](#) (released Sep 17), [Debian 9](#) (forthcoming Feb 5? "based on LTS kernel 4.9, from Dec 11") &/or [CentOS 7.3](#) (released Dec 12) be supported? (GEORGE PROPOSAL SEEMS WISE: DEFER NUC OS DECISIONS UNTIL XSCE 6.3)
 - e. Anish question on long-term community support/sustainability of 2 different OS's?
3. Foundational Priorities for DR, Haiti, South Africa, Mexico, Lebanon, India, WMF/Medical?
 - a. Shooting for 6.2 Alpha or Beta on RPi3 in NYC late Dec or early Jan!
 - b. Will lesser-trained operators be able to load/save Content Packs from USB? Delete tricks?
 - c. Does <http://Dataplicity.com> help remote support, like OpenVPN, XSCENET, Weaved.com?
 - d. Preparation for KOC México trip (2-3 new labs; Will probably be able to travel to 5-6 existing labs as well) - Would like to use IIAB in the new labs and update existing labs with IIAB if possible.
4. Lebanon progress thank to Avni & Tim:
 - a. Update on session with Biju and Rudayna and their efforts with Ubermix (key issues, clonezilla?)
5. Strong Desire to move to 10:30AM or 11AM EST in future weeks, for West Coast Folk (imposs for Avni to date, so rejuggle on different days going forward?) *India can go How Late?*
 - a. AK: Thursdays are best for a 10:30/11am est start time.
6. <yr item here>

Wednesday 10AM EST (NYC TIME) December 7, 2016 - voice call & Pearl Harbor 75th Anniversary

1. Personal sync-ups

- a. George
 - i. ./runansible runs (network resets properly at last!)
 - ii. Base Captive Portal works: DNS Jail (takes him to Apache default page)
 - iii. *sshd is ssh on Debian/Raspbian* (hence George's code won't run on Tim's RPi3?)
 - b. Tim: network scenarios (there are now 4) are coming together "better" (testing matrix)
- 2. Towards 6.2 Alpha/Beta RPi3 reference platform on Raspbian Pixel and Pixel Lite:
 - a. Captive Portal Choices? DNS Jail with or without gateway / MAC-based timeout?
 - b. December Priorities for Haiti, DR, Mexico, India, WMF/Medical?
 - c. NUC choices where there is time, as [Debian 8.6](#) & [CentOS 7.3](#) loom (if/where larger deployments are willing to invest?!))
- 3. Josh Dennis' ~3 weeks in North Myanmar/Burma - Summary Presentation
 - a. Lab setup
 - i. 650-student horseshoe-shaped buildings, incl elementary/middle/high school, outside Mandalay
 - ii. Raspberry Pi 3's
 - 1. 5 Pis + 1 Pi for printer + 1 Pi for Rachel
 - 2. trying TuxType - (AK- can't find list of languages available for Tux Type)
 - 3. There is a switch to control powering on/off monitor and Pi concurrently
 - iii. Rachel installed and setup
 - iv. Shipping delayed 2 weeks of certain (?) equipment
 - v. Printer - Fuji Xerox with HP driver + Extra print toner cartridge (35000 kyat)
 - b. Challenges on the ground despite extensive preparations.
- 4. Possible Summit/Sprint prior to (or after) March 2-5 2017 @ <http://socallinuxexpo.org> (Los Angeles)
 - a. KOC Summit - March 2nd - Location still TBD but will be near SCALE location in Pasadena. All are welcome. Planning for México trip in April will be one of the agenda items.
- 5. April Trip to Oaxaca, Mexico with <http://kidsoncomputers.org>
 - a. Everyone is welcome
 - b. 2-3 new labs being set up - would like to use IIAB in these labs. Would like to add IIAB in existing labs.
 - c. Main week still being finalized - will have planning document available shortly
- 6. Next week meeting time -
- 7. <yr item here>

Thursday 11AM EST (NYC TIME) December 1, 2016 - voice call

- 1. Personal sync-ups
 - a. George -- base-6.2 now has no portal. What is the default landing page. Does Tim have a repo to clone? Once xsce-admin is removed from xsce repo, will need xsce-admin.repo also.
- 2. Raspbian Security Update: <https://www.raspberrypi.org/blog/a-security-update-for-raspbian-pixel/>
- 3. Distributed Catalog Ideas from Tim
- 4. Distributed Yelp Ideas from Holt
- 5. <yr item here>

Sunday 7PM EST (NYC TIME) November 20, 2016 - voice call

- 1. Personal sync-ups

- a. Josh - Burma prep update
 - i. Josh installed Raspbian Jessie Lite with RACHEL and found the install to be quick and smooth based on 64G download
 - ii. Was able to create two modules, Burma wiki and ESL
- 2. Roadmap/Restructure
 - a. 6.2 = ?
 - b. 7.0 = ?
 - c. Of the many Captive Portal strategies, which are likely the most sane/achievable?
- 3. What's required for less-trained operators to load/save Content Packs from USB ?
(Or, what content-sharing UX/workflows are truly most survivable for field operators?)
- 4. What most rudimentary+clean analytics are taking shape, empowering local teachers/nurses?
 - a. Doc James Heilman's structured textfields (survey caring/vested users) alongside!
 - b. Make visible the size of each Content Pack, alongside total remaining disk space, and ideally comparative popularity over recent days/weeks/months? Implicit: deletion recommendations for LRU (least recently used) Content Packs ;)
 - c. Granularity not need or wanted (to enhance privacy & social compact) but Verma/Dawson/Doiron will in fact help once the core design settles.
 - d. What kiwix-serve updates/recompiles/partnerships to we truly want?
- 5. <yr item here>

Monday 11AM EST (NYC TIME) November 14, 2016 - voice call

- 1. Personal sync-ups
 - a. George -- single playbook for Debian/CentOS, removal of 0-once, applied to Debian, Raspbian, CentOS, Fedora 18.
- 2. Why are Avni's 2 MicroSD cards *both* failing, both generally extremely trustworthy brands?
 - a. Trying a 3rd is OK but getting crazy and/or are there other more intelligent theories?
 - b. Can [this kernel panic](#) possibly/also be caused by a bad/overheating RPi3?
 - c. Currently both SD's are using raspbian-v1-xsce-6.1.img.zip from <http://www.xsce.org/downloads/xsce-release-6.1/rpi/experimental/>
- 3. Content/Cultivation/Curation:
 - a. Is Josh's RPi3 server on track w OSM etc, &/or in need of Myanmar preflight checks/vids?
 - i. ownCloud works on Fedora but not Raspbian? FedBerry test later?
 - ii. Did http://etherpad.mit.edu/p/XSCE_on_RPi3 install Steps 2, 3, 4 cut the mustard?
 - b. Font size chaos on Chrome within Android 5.1-and-lower, if not other OS's too: [Font shrinks/grows almost randomly from 1 content pack to the next, down the entire page, at times even changing on page reload!]
 - i. Is this solvable at all? (appears not very easily, with <H2> and <P> tags anyway, as Chrome is demonstrably complicit with static pages; though the "random font size for each Content Pack" problem gets much worse with dynamic-menuing Javascript pages!)
 - ii. Might tags or something of the sort help, putting an end to the font size going crazy/mad? (Phone running Android 5.1-and-lower are nearly ubiquitous across many parts of the developing world :/)
 - c. Resolution on where to save HTML & JSON content fixes as content packs are perpetually improving across local installations/deployments & Tim's S.X.O ?
 - d. Can we learn more from 2.5GB 25,000-article [Wikipedia \(Static\) \(es\)](#) from "Feb 11" and

its search, *fully independent of (derived from) Kiwix/ZIM*, presumably by Jonathan Field?
(3.3M search-index.js + 1.8M search-table.js)

4. If [CentOS 7.3 \(1611\)](#) is released in the coming weeks as expected (should be published within about a month of RHEL 7.3's release on Nov 3rd 2016) ...are there any obvious differences from CentOS 7.2, as we/Nick/others test-implement XSCE 6.1 on NUC especially?
 - a. Or should we try something like [Debian 8.6](#) instead? (released Sept 17, 2016)
5. Restructuring Priorities Emerging = maintainability + understandability on RPi3 especially:
 - a. XSCE/IIAB 6.2 short term = ?
 - b. XSCE/IIAB 7.0 medium term = ?
 - c. What's required for less-trained operators to load/save Content Packs from USB in-field? (What content-sharing UX/workflows are truly most survivable for field operators?)
 - d. What is the most rudimentary analytic possible, e.g. perhaps signaling to the operator when that Content Pack was Most Recently Used? What is a Content Pack? Answer: a Content Pack is a major content item/module shown on main page like <http://box>
 - e. Of the many Captive Portal strategies, which are likely the most sane/achievable?
 - f. kiwix-serve improvements to permit proxying etc?
6. <yr item here>

Thursday 11AM EST (NYC TIME) November 10, 2016 - voice call

1. Personal sync-ups
 - a. George -- single playbook that works centos/debian/f18 for 6.1
 - b. Avni - working on getting her Pis and microSD cards working
2. Wikimedia Meeting - Adam & Jorge Vargas
 - a. Short but great meeting with Jorge Vargas (1+ hours).
 - b. Adam set up 20 content packs with XSCE 6.1 (?) on Raspbian, did not show FedBerry due to Admin Console error. Mentioned 32 concurrent video streams, and answered many other of Jorge's feasibility questions.
 - c. Captive Portal would have helped a TON, during excellent/interactive live demo using 3 different vintages client machines: old smartphone + new smartphone + laptop.
 - d. Strong Interest in ecosystem context of OLPC-SF Summit, Endless, RACHEL, KA Lite, Kolibri, etc.
 - e. Strong Interest in our evolving community offering(s) around "lasamericas" and beyond.
 - f. Panama project on hold until parameters are more clear, understandably.
3. Project Status
 - a. DR/Cuba (to be discussed in future)
 - b. Lebanon
4. KA Lite and KAOS (format emerged from Jonathan Field's original Khan Academy on a Stick?)
5. Raspbian Lite and RACHEL
6. Restructuring suggestions driven by SF Community Summit discussion between George, Jerry, Tim.
7. OSM Download of layers 0-12 @ <http://xsce.org/downloads/content>
8. <yr item here>

Friday 11AM EDT (NYC TIME) November 4, 2016 - voice call

1. Personal sync-ups
2. SF Trip Prep: HW/peripheral choices, OS choices, presentation materials, shirts...
3. George's suggestion for git pull discussion weekly or similar recommendation?
4. <yr item here>

Wednesday 11AM EDT (NYC TIME) October 26, 2016 - voice call

1. Personal sync-ups
2. Finalize MED1 for Doc James
3. http://etherpad.mit.edu/p/XSCE_on_Raspbian ongoing progress! Can we get to Beta Quality?
More detail starting at Line 22 in the above Etherpad document:
 - a. <http://<server>/admin> does not load properly in RPi3's primary browser (Epiphany 3.8.2, since renamed to "Web").
 - b. <http://<server>/admin> settings to not take effect, upon clicking Configure > Save Configuration then Configure > Install Configured Options.
 - c. OpenVPN tun0 (tunnel) fails to launch if a 2nd copy of http://www.xsce.org/downloads/xsce-release-6.1/rpi/experimental/raspbian_xsce_full-6.1.img.zip are online at the same time. Prevailing theory: misbehaving GUID in above image?
 - d. This is a fork of 6.1 and will remain so.
4. Fedora 24/25 Jerry's working hard on, with Ansible 2.1 (works with PR). Noting FedBerry.org community quite strong, but separate from Kraxel.org
5. Is Kraxel's [CentOS 7 on RPi3](http://CentOS_7_on_RPi3) for real? <https://www.kraxel.org/repos/rpi2/images/>
 - a. Aside: does anyone still care about 64-bit on RPi3?
6. Anybody seeing kalite pip failures? Has come up for Jerry in the last week with what he believes to be a new pip release, affects F25 for sure and seen with F24 also while building images; might be more widespread. Looking for feedback, a run from the console should trigger if it exists.
7. KA Lite failure above might be mitigated with a virtualenv like other pip based installs do. (error msg: wrong version of pip)
 - a. Need to move to virtualenv
8. Moodle v3.1.2 and PostgreSQL failures:
 - a. Moodle on MySQL
 - b. Content dir structure
9. Update from Rudayna / Lebanon
10. Updates on (3 different!) Myanmar/Burma implementations?
11. Updates on imminent <http://olpcSF.org/summit> and Alex Perez / Nathan Riddle updates?!
12. <yr item here>

Saturday 12:30PM EDT (NYC TIME) October 22, 2016 - voice call

1. Personal sync-ups
2. **github/xsce PR Triage around 6.1, 6.1.1 versus 6.2 stability directions**
3. Xsce-prep service ??
4. <yr item here>

Tuesday 4PM EDT (NYC TIME) October 18, 2016 - voice call

1. Personal sync-ups
2. Adding content to an external hard drive. According to this etherpad note (http://etherpad.mit.edu/p/XSCE_on_RPi3) there is a drive with prepared content.
3. Perhaps this could be a solution to LTSP working nicely with IAB, <https://help.ubuntu.com/community/UbuntuLTSP/RaspberryPi>
4. Getting multiple Failures during application startup for admin console. All "No Response from XSCE-CMDSRV in 10000 ms. Console stuck on home page. This has happened on different

installs. Reboot and browser refresh don't fix the issue.

5. Using a power switch with Internet-in-a-Purse Raspberry Pi option - some sort of enclosure that houses Pi and cables?
(<https://www.adafruit.com/products/1620?gclid=CP-Yy-243s8CFVBhfgod-igDaw>)
 - a. <http://www.mosaic-industries.com/embedded-systems/microcontroller-projects/raspberry-pi/on-off-power-controller> from Joel
6. Possible to add ScreenConnect client to IIAB?
 - a. Objective: Allow remote access to client machines (RPi3s?) in Myanmar - presumably after Josh comes back to Canada?
 - b. TeamViewer?
 - c. VNC Client?
7. Ideas on adding an offline language translator? It would make the implementation in countries with low software translation rates easier.
8. Upon boot IIAB does not expand disk space. Trying to manually expand using installation notes returns a "Permission Denied" result.
9. [Bekaa Valley](#) of woes
10. <yr item here>

Thursday ?1PM? EDT (NYC TIME) October 13, 2016 - voice call

1. Personal sync-ups
 - a. Tim: Biju (working on IIAB server for Lebanon) now has a running server (YEAH!)
2. What is the state of 6.1?
 - a. When I did a pull from XSCE I saw many changes including to menu files (TIM) - WRONG
 - b. Should I update James Heilman machine? (TIM)
3. OpenVPN logic
4. Kiwix
 - a. Our install uses 0.9 which is from Oct 2014, but is the version available for download in spite of many commits since then on github. (TIM)
 - b. See email from Stephane on 2.0 Android
5. <yr item here>

Friday 9:15AM EDT (NYC TIME) October 7, 2016 - voice call

1. Personal sync-ups
2. <yr item here>

Thursday 9:15AM EDT (NYC TIME) September 29, 2016 - voice call

1. Personal sync-ups
2. Remote Access
 - a. How does openvpn_enabled relate to _allowed?
 - b. Same for TeamViewer
 - c. Must OpenVPN be on to get ssh access? No.
3. Meeting with Rudayna (<http://thaki.org>) on ~5 schools in Lebanon
4. Screencast of XSCE 6.1 Admin Console: who can publish 2min to YouTube?
 - a. Will there be a rough script/guideline of what needs to be said / covered in the screencast? -AK
5. Driving towards OSM subsets, continent by (sub)continent or similar:
 - a. Anish thinking about OSM compression similar to JField's?

- b. JoelS checking in code, and if so where?
- 6. Build environment + packaging of Captive Portal: Anish progress ongoing!
- 7. Add external antenna for RPi3 - Anish:
http://www.dorkbotpdx.org/blog/wramsdell/external_antenna_modifications_for_the_raspberry_pi_3
- 8. Bangalore RPi3
 - a. Ship US to India Oct 15
 - b. RTC now works, Thanks George!
 - c. Home page fonts go crazy on Chrome on Android 5.1 (font for each content pack jumps [and non-repeatably] from large to small to medium to large for different content packs, each time you reload, for reasons unclear!) Can Avni help solve this front-end “quagmire” possibly?
 - d. Can we ask the people in Bangalore to add descriptions to the Kannada items?
- 9. MedWiki Next Steps
 - a. Presentation in San Diego
 - b. How closely can 2 SSD (128GB) shipments emulate Tim’s larger 1TB rendition of s.x.o/medlib that he’s hand-carrying to Doc James?
- 10. <yr item here>

Thursday 9:15AM EDT (NYC TIME) September 22, 2016 - voice call

- 1. Personal sync-ups
- 2. RPi3 RTC / OpenVPN reliability status: George made major improvements to both (thx Jerry)
- 3. Making [XSCE 6.1](#) release official? While not losing the most urgent 6.1+ needs:
 - a. Network Security Norms most urgently needed going forward: (among others)
 - i. All or most all connections incoming from WAN should be blocked by default
 - ii. OpenVPN should also be blocked if “su -c xs-remote-off” [or similar prominently advertised toggle] is requested by local operators, even if not tech-savvy!
 - b. [logrotate](#): what testing should we pursue & cultivate?
- 4. [Captive Portal results/practicality](#) to “onboard” less literate users:
 - a. Defer RADIUS acnts & use [CoovaChili](#) to productize openly for years to come?
- 5. Modernizing offline OpenStreetMap for 2017-2020 with Anish/Joel & All:
 - a. Data constraints pragmatism: continent by continent, SD card by SD card, SSD by SSD?
- 6. WiFi internal module capacity testing on [Gigabyte GB-BSI3H-6100](#) and similar:
 - a. RPi3 parity with 32 simultaneous connections, with which OS/AP drivers most feasible?
- 7. [Javascript portal/menuing](#) Tim delivered (thanks Avni & Nick!) Which next steps drive adoption?
 - a. CSS from Avni broke something in Chrome (other things didn’t wrap, so Tim removed it for now...) - Avni will fix on 6.1 branch instead of master so she can test better / thoroughly.
 - b. Better ZIM integration & cultural appropriation/portability?
- 8. Lebanon preview, prior to <http://thaki.org> meeting Mon Sept 26?
- 9. <yr item here>

Thursday 9:15AM EDT (NYC TIME) September 15, 2016 - voice call

- 1. Personal sync-ups
- 2. Anish reviews new Captive Portal options w/ Jerry, George & All (RADIUS acnts method too?? LDAP in theory??)
 - a. <https://github.com/XSCE/xsce/pull/771>
 - b. <https://msdn.microsoft.com/en-us/library/windows/hardware/dn408679.aspx> (XML

snippet)

3. Battery Fault suggestions for Edinaman Sr High School in Cape Coast, Ghana, whose Internet-in-a-Box is now high and dry? Can this/should this be run directly off their 240V-AC-to-13.4V-DC IOTA DLS-M240-55 charger? (Does it emit 50Hz chopped/ripple voltage, that servers dislike? George suggests try it?) Were they using their SoC meter to protect the battery?
4. **logrotate** testing: how to go about this? “df -h” reserves 5% of extra disk space.
5. [OpenVPN](#) failure to launch on RPi3: what timing experiments should be tried, to make this work?
 - a. Currently it does not auto-connect to xscent.net
 - b. 2nd attempt often fails within ~10min
 - c. 3rd attempt often succeeds!
6. WiFi AP updates around Gigabyte BR1X GB-BS13H-6100 and similar?
 - a. [Projector integrated w/ NUC-like BR1X i3](#) could be so valuable if packaged w/ training program ala [DigitalGreen.org](#) ?
7. [XSCE 6.1](#) Release?
 - a. Javascript / JSON portal-menuing: overview doc of new front-end architecture @ <https://github.com/XSCE/xscent/wiki/XSCE-Menuing> (thx to Tim, Avni, Nick)
8. OSM tile regeneration progress from Anish? Process crashes at a partic tile in Zoom Level 11. See also his notes below in Item 6 from Sept 8th!
9. Bangalore shipment finalization:
 - a. RTC supply chain & other mini/medium/mass-production lessons learned?
 - b. Content Install Notes: http://etherpad.mit.edu/p/XSCE_on_RPi3
10. Lebanon refugee camp installation Tim's preparing.
11. Wikipedia Medical shipment?
 - a. Follow-up planning for San Diego [WikiConference](#) Oct 7-10?
12. UX Changes
 - a. Master doesn't have schoolserver.xscent.org/test file - how can I see if changes I am making to CSS are having the effect I want?
 - b. Duplicating / Debugging Android phone issue
13. Minnowboard Turbot Testing - any luck?
 - a. Jerry was able to get it to boot - not clear how far he got
14. KOC Raspberry PI lab up and running - sent photos of lab in use to folks on call except Abhishek (don't have his email) - Forwarded to Abhishek (~anish)
15. De Facto Hack Fest:
 - a. Can Avni help enable Javascript mouseover / hover over long entries (painfully long ZIM file names) within <http://server/admin> > “Install Content” tab > “Refresh Zims Installed List” button ?
 - b. “Refresh Kiwix Catalog” button often has to be pushed before (or after) “Refresh Zims Installed List” button. Otherwise ZIM's are impossible to identify/distinguish, appearing as [undefined] etc, or worse not downloadable at all. Due to Emmanuel / Kiwix.org published a new library.xml quasi-daily!
 - c. “Library Space Available : NaN undefined” (appears on RPi3, and various machines with attached disks etc?) may get resolved in XSCE 6.2
 - d. Etc...many more issues solved by Jerry, George, Tim during final hour of 2.5hr call!
16. <yr item here>

Thursday 9:15AM EDT (NYC TIME) September 8, 2016 - voice call

1. Personal sync-ups

- a. George: (checkout these options for RPi3) -- <https://github.com/XSCE/xsce/pull/789> and <https://wiki.centos.org/SpecialInterestGroup/AltArch/Arm32#head-d8f862db0bfa06aaae57bed3450ea0ad7d63b99a>
 - b. 10 days ago George published XSCE 6.1 “betas” on Fedora 24: <http://www.xsce.org/downloads/xsce-release-6.1/rpi/>
2. JavaScript portal/menuing progression: next steps experimenting with /test, /bangalore, & /medlib?
3. How to toggle blocking (securing) incoming connections to ports 22, 80, 3000, 8008 (etc) on WAN side (that’s the Ethernet port typically, within our small installations of IIAB) ? By default, WAN side should block “everything” except for OpenVPN’s own access to 22, 80, 3000, 8008 etc, to protect the device from perpetual attacks arising from its occasional connection to the Internet:
 - a. Context: Tim’s recommendation to set “LAN Controller” correctly stops WiFi clients from reaching across the IIAB server to the Internet (almost! DNS still slips through when typing “ping mit.edu” etc, but perhaps this is Tolerable?) But: as mentioned above incoming connections to WAN side (in this case Ethernet port) can be too high a risk, as security-minded deployments want to tighten the hatches -- while preserving OpenVPN access in general, for many Beta users especially!
 - b. From the sysadmin’s perspective, **gui_network_mode = “LanIsolatedFromWan”** was the flag proposed July 7th to enable this toggle and/or does Admin Console replace this flag? Admin Console Comparison with Intel CAP: http://www.intel.com/support/education/solutions/ap/sb/pdf/Intel-Education-CAP_uman_331819-001EN.pdf#page=34&zoom=auto,69,617 (page 34: cleanly-explained radio buttons toggle “No Internet Access” vs. “Full Internet Access”)
 - c. A much stronger “master switch” tradition like **su -c xs-remote-off** (established in 2015 for XS-on-XO laptops wanting full privacy) is also needed to disable All Known Remote Access Unconditionally. Such a Guaranteed Approach should be established that stands the test of time, that folks can learn to rely upon globally/universally, without docs/UX ever-changing.
4. Gigabyte BRIX as a possibly [more WiFi-scalable knowledge hotspot](#) than Intel NUC, in PNG & serious “non-boutiques” requiring efficient deployment of 25-to-50 simultaneous WiFi connections:
 - a. Obvious NUC competitors are #1 Gigabyte, and #2 ZOTAC (Curt’s favorite ZBOX CI323 currently available for \$131.99 for diminutive deployments?) Intel NUC units since late 2014 (5th gen CPU’s) appear to be non-starters as their soldered-in WiFi modules [block more than 12 connections](#). Unfortunately posting to Intel’s WiFi forum hasn’t helped. Obviously an external WiFi AP is also possible, but many developing country communities ask: can we/Intel please reconsider disabling/underpowering the internal WiFi AP? (A hassle-free & no-fuss turnkey installation fosters far more widespread learning, in the view of these new more dynamic styles of bureaucracy-free deployment.) *Until we try [Intel’s 7th gen CPU NUC’s](#), we can only assume their internal WiFi will be similarly hamstrung?* Conversely, Intel CAP (Content Access Point, incl “5hr” battery) is showing its age after ~2 years now :/
 - b. Even if nobody today’s seriously expecting 50 HDTV streams (YouTube-in-a-Box at 4K resolution) what scenarios should George/Holt test in Sept if they had a 50-client testing lab very briefly for a couple days?
5. What RPi3 OS platform is emerging for October trials, e.g. in Bangalore etc?
 - a. Longer term, when should/would we involve kraxel himself ([Gerd Hoffmann in Berlin](#)) to take this to the next level? What [CentOS/Fedora](#) cross-pollination from/to

- Raspbian/Debian might be possible this autumn, if any?
6. OpenStreetMap searchability / finesse: next steps prior to meeting Joel S and others in Oct?
 - a. Clarif on Anish's reworking the OSM toolchain ([how to get these diff size metatiles etc to work](#)). Please contact Anish Mangal (server-devel@lists.laptop.org) if you download world-osmbright-0-10-india-11-15-india-borders.tar.gz from 125 dot 23 dot 112 dot 4, Thanks!
 - b. What community road map will later be required if continent-by-continent high-resolution 10G-or-30G snapshots of OSM become possible in future?
 7. [XSCE 6.1](#) final adjustments/documents/testing refinements?
 8. Thaki (<http://thaki.org>) conversation with Rudayna: Lebanon deployment
 9. <yr item here>

Thursday 10AM EDT (NYC TIME) September 1, 2016 - voice call

1. Personal sync-ups
 - a. George - iptables src limit on vnc, close to a console blap of raspian on rpi3
 - b. Anish - Squid's Active-mode Captive Portal more useful than George's prototype perhaps? (in offline scenario!)
 - i. The active mode captive portal is supposed to be more reliable implementation than the simple mode --- for example, the simple mode wasn't working on a phone we had and the active mode was consistently working. The problem is that the login test in the active mode is not working (maybe I don't understand it properly)
 - ii. Links: <http://wiki.squid-cache.org/ConfigExamples/Portal/Splash>
 - iii. Lines which I cannot get to work:


```
# Pass the LOGIN command to the session helper with this ACL
acl session_login external session LOGIN

# Normal session ACL as per simple example
acl session_is_active external session

# ACL to match URL
acl clicked_login_url url_regex -i a-url-that-must-match$

# First check for the login URL. If present, login session
http_access allow clicked_login_url session_login
```
2. Practically speaking, is the NUC6i3SYH's internal WiFi module (Intel® Dual Band Wireless-AC 8260) replaceable per [Terry Gillett's suggestion](#), to enable 12++ simultaneous WiFi devices? Or should Holt ask electronics engineers around Boston if this Y/N conclusion remains ambiguous? Central Question: can this replacement exist WITHIN the NUC chassis? Answer seems to be NO. See above mailing list discussion for other ways [Gigabyte? ZOTAC?] out of the swamp!
3. Is ./runansible fixed during upgrades? ("fatal: destination path '/opt/elgg' already exists and is not an empty directory.") e.g. red button "Install Configured Options" fails on <http://holt-content/admin> -> Configure
 - a. TK encounters similar: relates to George's PR from early Aug (and another, ready to pull into Master?!) Tim recommends George push this after call.
4. How do we implement **gui_network_mode = "LanIsolatedFromWan"** for far broader usage on RPi3 etc, separating / blocking "all" LAN access from WAN?

- a. How would advanced field operators easily re-enable full-or-partial access from LAN to WAN?
 - b. How do advanced deployments open ports 22, 80, 443, 3000 (Kiwix) and 8008 (KA Lite) to be accessible directly over Wireline Ethernet to server?
 - c. What guaranteed technique (such as command "su -c xs-remote.off" used successfully on server-like XO's) do deployments use when they want to disconnect fully/completely?
 - d. How do we better support future Sneakernet++ field/community-content-sharing protocols from RPi3's to Androids etc, carefully mitigating the risks of exploits & privacy abuses? Leaving the door open for peer-to-peer popularity engines (with inherent privacy risks) that many people now want!
5. Is a smaller India-centric OpenStreetMap possible? South Asia may be the best place to start productizing OSM subsets--slick enough so education impact becomes fully real:
- a. Including sane-enough searchability of cities perhaps?
 - b. For MicroSD/SSD portable IIAB's (perhaps 10-to-30GB) fully engaging to kids even while not the full ~60GB Anish generated (high resolution of ~16 layers [up to level 15] in India and Nepal, while only ~10 layers around the rest of the world) from late 2015 / early 2016?
 - c. Sustainability Wins: can a broader region (most all of Southern Asia?) be generated at sufficiently high-resolution for appeal across many countries, without having to keep generating one-off custom solutions? English should be tolerable for many (not all) of these continent-focused "25G" subsets of OpenStreetMap people want on their 100G RPi3's, SSD's etc.
6. <yr item here>

Wednesday 4PM EDT (NYC Time) August 24 - voice call

1. Personal sync-ups
 - a. George would like to:
 - i. Pull PR773 into master to sync it with release-6.1? Agreed: George pushing the button!
 - ii. Change "yum" to "package" in master -- prep for a diff from Fedora to Debian.
 - iii. Put MATE and vncserver on holt_content.
 - b. [LinuxCon North America 2016](#) wrapping up in Toronto, live reports from Avni/Tim/Holt!
2. Minnowboard as a possible testing ground for Jerry's ISO's?
3. <yr item here>

Thursday 10AM EDT (NYC TIME) August 18, 2016 - voice call

1. Personal sync-ups
2. PR Triage: 6.1 or beyond?
 - a. Captive Portal via Squid needs testing (https issues not fully solvable, given browser enforcing of certs/CA especially? LetsEncrypt.com expires every year?) Too complex for 6.1!
 - b. Should Tim push change that starts/stops Kiwix? Yes.
3. Captive Portal functionality forcing new users to [http://go](#) or [http://box](#) or [http://school](#) is sorely needed for newbie and less literate users, no less those with painful Android-style keyboards (and worse "Auto Correct" !) making punctuation nearly impossible. Getting this right will take time, see above 2.a. ! Meantime, to take a small step: should XSCE/IIAB enable https / SSL / TLS by default going forward?
 - a. Does <http://letsencrypt.com> help -- or hinder if certs expires quasi-monthly?

- b. Myriad client devices out there will have UX nightmares aplenty -- how to we legitimately mitigate this nightmarish complexity?
- 4. Is Admin Console's Configure > Reset Network Configuration red button fixed, per George's recommendations Sunday/Monday? What was the fix/improvement?
 - a. George will created a PR to get rid of 1 thing "xxxx".
 - b. Is this button a last-resort to start over completely (xsce-network-reset, appears not to be the case) or a restore to known state (xsce-network, appears likely) ?
 - c. Primary purpose: ensure ssh access.
- 5. Rapid Design Iteration of Medical WP IIAB (content+UX especially) will need increasing amounts of rock-solid OpenVPN (or Weaved.com-like) connections -- coming in over arbitrary WiFi in cybercafes/hotels/airports -- so medium-technical/less-technical Field Evangelists/Operators need enabled overnight from their hotel rooms around the world, e.g. not just for "sales" but also just prior/throughout real implementations:
 - a. Is OpenVPN using xsccenet.net better than Weaved.com etc for now? Yes!
 - b. When a live Ethernet-wire-to-Internet is not available, what's the most practical way to put a NUC or RPi3 onto this Field Evangelist/Oerator's WiFi hotspot coming out of their Android phone typically? Since this Field Evangelist/Operator will (commonly) have a laptop too, can they use that to operate the NUC over VNC, and hence get on most any hotel's WiFi?
 - c. Can we train such Field Evangelists/Operators to toggle the NUC/RPi3's internal WiFi's from AP Mode to client-mode, and remember to turn it back to AP Mode when they are done? Or is a separate WiFi radio/unit (presumably plugged into the NUC/RPi3's Ethernet port or similar) truly workable?
 - d. Solving the 3G Internet dongle in each "3G 3rd World" country remains way too hard, as each requires different Linux drivers and are commonly locked to different carriers etc! So rather the goal should be: enable Field Evangelists/Operators to get their NUC/RPi3 to jump on increasingly most/all airport/hotel/friend's WiFi's (using SSID / Password, or possibly even watching the required advert in an airport to get a free hour of WiFi etc?)
- 6. Proposal to unify partitions by default on install (within ISO installer especially) to 1 single partition (except for ~500MB /boot and ~200MB /boot/efi, meaning 3 partitions for those using UEFI, e.g. on NUC)
 - a. Is it acceptable to everyone to have a 1GB swap file by default, rather than swap partition, at least out-of-the-box?
 - b. Which separate branch if poss? <paste github URL in here>
 - c. Language / Keyboard / TZ (time zone) issues post-install? An English / stock-TZ would be very useful.
 - d. Abandon MBR on Intel (for UEFI) on stock "almost blap" install? (Represents a major change, GPT not DOS partitioning, no cross-compatibility)
- 7. RPi3 Status (Prelim Recommendations for OS, towards mass-replication in 2017, possibly involving [kraxel / Gerd Hoffman in Berlin](#) more closely) needed for Bangaluru, India, including best practices around achievable Analytics "Fieldback" loops:
 - a. Internet cannot be counted on, so Android should be the focus for survey/census-taking. Should we build off George Hunt's proposal?
<http://github.com/georgehunt/xscc/blob/upstream/roles/reports/README.md>
 - b. Then: Updates, from the intermittently-online-Android-smartphone (*) to the field-deployed-offline-RPi3 should be the end goal. Updates can be as simple as a couple OS security updates initially, or it can begin withn "most desired ZIM's" ? (*)
Android bidirectional-updating-device will be in the hands of a field worker or remote IT

- staff, who may not speak English!
- 8. Rachel Module renames
 - a. Tim testing symlink arrangement old names to new names?
- 9. Can an apk be installed from one phone to another over bluetooth?
 - a. <http://www.wikihow.com/Share-Apps-on-Android-Bluetooth>
 - b. Much ongoing research/discussion!
- 10. <yr item here>

Sunday 10AM EDT (NYC TIME) August 7, 2016 - voice call

- 1. Personal sync-ups
 - a. Tim: Command Server Wrapper rewritten in Python
 - b. George: More services to work on Debian
 - c. Jerry: received Minnowboard from KidsOnComputers / Intel
- 2. Sugarizer 0.7 incorporated into XSCE 6.1 (George completed this, using code grabbed)
- 3. XSCE 6.x on RPi3:
 - a. Reviewing OS options with kraxel's latest evolving to F23?
 - b. 64-bit still likely unnecessary on 1GB RAM?
 - c. Tim's F22 work released early April 2016 still is our baseline, but Jerry soon may release new images based on kraxel's significant/ongoing improvements! Kraxel moved to F23, time will tell how this & we all involve, to better support Southern India, KidsOnComputers, Etc!!
- 4. <yr item here>

Sunday 10AM EDT (NYC TIME) July 31, 2016 - voice call

- 5. Personal sync-ups
 - a. George --
 - i. clonezilla copy of current demo
 - ii. Captive portal via squid
 - b. Tim
 - i. Build wikimed apk
 - ii. Fuss with demo content
- 6. Medical IIAB Demo expected today in Oakland, Calif:
 - a. Content Manifest / installation specifics?
 - b. Portal / Esthetics?
 - c. NY-DEMO3 hardware if sufficient, unless George recommends otherwise?
- 7. Tim: please help review item 3.f. (password proposal, in July 28 minutes below)
 - a. Agree in principal, but the api to change pw in the various apps are not straightforward.
- 8. Status on 6.1
 - a. Any bugs?
 - i. Should xsce-make-kiwix-lib turn off kiwix-serve first? (Avoiding "corrupt file" allegations etc; then of course "systemctl restart kiwix-serve")
 - b. Captive portal (George working on squid implementation)
 - c. Ability to remove NAT between lan and wan needed?
 - d. Other? Favoring fixes over enhancements.
- 9. 6.2 / 7.0 wishlist:
 - a. Password changers, from Admin Console? (ANISH please advise?)
- 10. <yr item here>

Thur 11AM EDT (NYC TIME) July 28, 2016 - voice call

1. Personal sync-ups
2. Squid-based captive portal George hopes to merge: squid_cap
 - a. Divert https / 443 too? (popup warnings tolerable?) <https://github.com/georgejhunt/xsce>
--branch squid_cap
3. UX Needs Assessment around usernames/passwords. Some argue we already have far too many services. Today we have Moodle, KA Lite (Khan Academy), ELGG, OwnCloud, XSCE/IIAB's own Admin Console, if not others -- even before adding Calibre, SchoolTool and others slotted for [XSCE 6.1](#):
 - a. Let's enumerate these all methodically/publicly!
 - b. Is it even wise or possible to consolidate all admin usernames & passwords?
 - c. What other sane/survivable UX-oriented options exist, considering untrained, underpaid, illiterate (and unavailable!) operators?
 - d. How do small deployment needs directly conflict with larger deployments, who simply *cannot* take securitization/privacy challenges for granted, as offline increasingly becomes online.
 - e. Can the 1990s legacy of LDAP offer any answers? Which specific needs?
 - f. ANISH/JERRY PROPOSAL: Maybe the passwords can be set via an admin wizard in the web admin console during initial setup. That will set an ansible variable, which can be used to set passwords during the ansible run. *Looking forward to Tim's comment on this!*
4. <yr item here>

Thur 10AM EDT (NYC TIME) July 19, 2016 - voice call

1. Personal sync-ups
2. <http://HOPE.net> (Hackers On Planet Earth) NYC demo ambitions, in the face of ISO installation and networking struggles.

Tues 10AM EDT (NYC TIME) July 19, 2016 - voice call

1. Personal sync-ups
2. Medical Wikipedia -- finalizing our OS install path for XSCE 6.1:
 - a. ISO or full instructions?
 - b. Future install path can change if nec.
3. <yr item here>

Wedn 11AM EDT (NYC TIME) July 13, 2016 - voice call

1. Personal sync-ups
 - a. George -- most of my time spent on reporting and acpower monitor - not yet tested adequately (also testing ISO installs)
 - b. Calibre-Ebook.com built-in updater? (Jerry & George wondering if this is overkill...tar file better...or does it also have update mechanism?) Is X Windows forced to be installed?
Tim: how can I tell if X components installed? ["could not connect to display...core dump"]
2. XSCE 6.1 ISO for CentOS on NUC's?
3. Separate network from services in console?
 - a. Is more major than Tim thought (UX change too large for now, not just a backend change!)
4. Gateway detection issue? Possible race condition w/ ansible? (systemd / OpenVPN stuff inter-related)
5. Refinement of Medical <https://meta.wikimedia.org/wiki/Internet-in-a-Box> for NYC demo next week

& SF week after that!

6. Industrialized/Personable RPi3 vision consolidations no matter how premature!
 - a. Choice of OS: Raspbian killer community support, despite CentOS / F24 compatibility? Other options?
 - b. Dominant use cases, inside and outside the purse.
7. <yr item here>

Thur 12PM EDT (NYC TIME) July 7, 2016 - voice call (XSCE 6.1 release engineering)

1. Personal sync-ups
 - a. George -- worked on the upstream communication path -- see <https://github.com/georgejhunt/xsce/blob/upstream/roles/upstream/README.md>
2. Versions and Projects
 - a. Target audience for 6.1
 - b. Target release for MedWiki
 - c. We will treat these as the same by adding features needed for MedWiki to 6.1
3. Jerry's ISOs in plain english: when/how do we explain/test this install approach more widely?
 - a. Jerry will turn attention to CentOS and Adam will use for installing on MedWiki NUC's as means of testing and documentation
4. Master is still broken for windows users
 - a. Can someone on a non-Windows platform remove the illegal character(s) please? (If so, please work with Tim who can advise where to clean this up.)
5. Networking like AUM (Myanmar) server for Medical Wikipedia clinics in Egypt/India/Bangladesh:
 - a. Passwordless WiFi offers DHCP & content, but should NOT offer Internet for now.
 - b. Ethernet offers content & OpenVPN, if the clinic offers Ethernet DHCP+gateway to Internet.
 - c. In future, some clinics may ask for WiFi users to have access to Internet, and a way for them to change the WiFi password regularly.
 - d. ? Add mode for opposite of gateway: isolate, Janus, split, division, separation, partition - Isolate[d] LAN/WAN (from each other!) `gui_network_mode = "LanIsolatedFromWan"`
 - e. Xs-network button and add 4th network mode
 - f. Suggestion: Firewall WAN by default? (toggle possible later? While more urgent things like WiFi password customizing are also needed in Admin Console)
6. MediWiki Project Plan
 - a. <https://docs.google.com/spreadsheets/d/1R0wIPfkboHxPw3XO6yCz447Ee8818f31bGe1LUP00g/edit?usp=sharing>
 - b. <https://meta.wikimedia.org/wiki/Internet-in-a-Box> growing thanks to Lane Raspberry!
7. <yr item here>

Thur 1PM EDT (NYC TIME) July 7, 2016 - voice call (design/distribution)

1. Congratulations on AUM (American Univ Myanmar) delivery, and final polish completed very efficiently over OpenVPN, even including in-field Gutenberg customizations, per the university's precise requirements.
2. Nick Doiron has an old XSCE 5.x NUC and remains stuck: George built this with content for Nick & Afghanistan during Autumn 2015 -- frustration seems to be building: what does George advise?
3. Mass Distribution depends on foolproof content hotpots out of the box. This will requires 4 Things:
 - a. \$300 "NUC" knowledge hotspots for beefy institutions (TRUNK)
 - b. \$100 "RPi3" hotspots for humble clinics, one-room schoolhouses and purses (BRANCHES)

- c. Fully Sharable Content Packs, regardless whether APK, ZIM or Snippets of any kind win the format wars (LEAVES), regardless whether (re)shared by MicroSD, Bluetooth, or USB cable etc. Offline Sharing can become culturally ubiquitous where people want it, including direct-phone-to-phone transfers of APK/ZIM's or similar, without any need for a bureaucratic institution/server/etc -- when Pain Point's reduced to 10min content transfers on train/bus!
- d. Legit Feedback Loops (CHLOROPHYLL? ...even if these arrive a month later) so that contributor/diaspora communities unleash their creative juices, escaping our First World Bubble. Rather than solutions-in-search-of-a-problem design in a vacuum. Towards creative/curatorial assistance increasingly driven by *continuous improvement in those content areas/translations/UX mods truly most in need!*
4. <yr item here>

Thur 12PM EDT (NYC TIME) Jun 30, 2016 - voice call (XSCE 6.1 release engineering)

1. Personal sync-ups
2. Branding: (urls) schoolserver.org - vs xsce.org -vs unleashkids.org -vs IIAB (no URL) -ghunt. Facing the reality that many successful Wikipedia teams are now successfully using Facebook (and in some cases Slack.com, <http://discourse.org> etc) to build/design/collaborate/reach out -- instead of mailing lists, irc brittleness, and yet another web site :)

Thur 1PM EDT (NYC TIME) Jun 30, 2016 - voice call (design/distribution)

1. Analytics community logistics design favors Android more than USB memory sticks, for so many reasons we've reviewed at length. One drafts proposal is here: <https://github.com/georgejhunt/xsce/blob/upstream/roles/upstream/README.md>
2. <yr item here>

Thur 1PM EDT (NYC TIME) Jun 23, 2016 - voice call

1. Personal sync-ups
 - a. George -- playing with livecd, persistent device/mapper/, overlayfs, clonezilla. Would like to define a vetted path from iso to mass production of XSCE w/ content
2. Emmanuel Engelhart's update on all our achievements over the prior week: http://www.kiwix.org/wiki/Hackathon_Wikimania_2016#Achievements
3. XSCE setup in Sunel, Jhalawar (Rajasthan). Wi-Fi Mesh setup as well.
4. <yr item here>

Thur 10AM EDT (NYC TIME) Jun 9, 2016 - voice call

1. Personal sync-ups
2. OSM feedback for Joel from Anish/Adam/Tim?
 - a. Never got the links
3. Pre-release discussion:
 - a. George created branch release-6.1. But it might be out of sync with master. SO a PR will be created to bring master in sync with 6.1. **PR 713 created**
 - b. Tim's updates on xsce-cmdsrv. Lots of updates and some restructuring.
 - c.
4. <yr item here>

Thur 10AM EDT (NYC TIME) Jun 2, 2016 - voice call

1. Personal sync-ups

2. OSM update from Joel Steres, really great progress:
 - a. Performant (and higher quality, evolving) search!
 - b. The Catch, For Now: Index is ~9.7GB as compared to ~70MB since 2013. Is something like 1GB attainable/wise across most platforms? For generic releases, prior to customization: opportunity for continent/country/language-specific indexes (indexes) ?
 - c. Created single name, fully expanded, along the lines of "Los Angeles, California, United States"
 - d. Etc..more in the coming week or so!
3. Tim working on error-handling in admin console
 - a. e.g. power-off etc, for after XSCE 6.1
4. George:
 - a. working on kraxel etc: F22 or F23 for XSCE 6.1 when? Etc!
 - b. Weaning us off 50.* OpenVPN to new xsccenet OpenVPN..by transitioning both Ghana machines well before une 15 if possible?
5. Jerry: conditional schooltool for branch release-6.1
6. Anish: many updates, Anish will assist OSM & travel/install in July/onwards!
7. <yr item here>

Thur 10AM EDT (NYC TIME) May 26, 2016 - voice call

1. Personal sync-ups
2. 6.1 Progress
3. Calibre
 - a. New item tab broken
 - b. Sources of content
4. AUM-IIAB status
5. <yr item here>

Thur 10AM EDT (NYC TIME) May 12, 2016 - voice call

6. Personal sync-ups
7. <yr item here>

Thur 10AM EDT (NYC TIME) May 5, 2016 - voice call

1. Personal sync-ups, as BC, Canada design workshop conclusion (XSCE 6+, IIAB 2+).
2. George hard at work on 6 things incl Moodle, Schooltool, Sugarizer, CUPS, Docker (for SchoolTool), MyAdmin (interface to MySQL...now broken out properly into a separate Ansible playbook from PHP).
3. Jerry: Kraxel.org's (Berlin?) 64-bit kernel & WiFi firmware released for RPi3 -- other rpm's workable during transition Jerry believes.
4. Bluetooth-like issue to truly enable instead of disempowering teacher realities: ongoing research.
5. Anish having great success recycling laptops Li Ion batteries to power solar-power mesh networks etc; he will write it up!
6. George F. von Fuchs having success with <http://xsce.org/downloads/xscc-release-6.0/rpi-images/> on his own RPi3, and several days getting to know this much better!
7. RPi3 client SW: Upcoming discussion with <http://KidsOnComputers.org> & similar microdeployment groups needing kid/teacher-empowering client-side OS's for RPi3 and similar. Anish wonders if Cinnamon on Linux Mint 17.3 if it works on RPi3? How does our wider history of Edubuntu/Ubermix/Sugar/Gnome/ assist or fit in?
8. RPi3 client HW likewise...Tim asks: Opaque case prevents ppl from seeing RPi3 LED's during

shutdown (OLPC legacy shows strong opinions/evidence of inodes/filesystem corruption rich-world engineers might ignore, but field uses with constant shutdowns cannot risk incremental damage?) So can we find tough AND transparent case for RPi3? That holds RTC clock attached to GPIO pins, and possible heatsink or fan for extreme tropical users?

9. <yr item here>

Thur 10AM EDT (NYC TIME) Apr 28, 2016 - voice call

1. Personal sync-ups, as BC, Canada design workshop begins (XSCE 6+, IIAB 2+)
2. **XSCE/IIAB plans for this year: Hardware + Software**
 - a. We went almost 2 years between 5.1 and 6.0, would be great to start planning the 7.0 cycle to launch sooner.
 - b. [XSCE 6.0](#) was released recently.
 - c. Will it run on Android? Maybe in 2017.
 - d. We anticipate later this year to start selling hardware with XSCE/IIAB pre-installed. People want products; people don't want a github URL, Peace Corps-like folk want to swipe a credit card, get a product. RACHEL realised this and succeed with it. People join peace corps to share benefits with people, they have an affinity with us, but won't configure more than the language.
 - e. Units will be Intel NUC, Pi 3. It could run on XO-4 also.
 - f. One open question is how much pre-configuration to do versus how much more setup customers are excited to do. We have a new UI to customize the set up of a pre-installed unit: a \$99 Pi + case + SD card. We recently added an admin UI with 2 aspects, a config screen to turn on/off services, and content screen to pick content. Kiwix files have a UI to select languages (190 available) and then list items (wikipedia, dictionaries, etc) and click OK to ask the command server's job queue, to create 3 jobs for each item, download, extract, and move to target location. The English wikipedia is 60Gb so it can take a while! Early curations were 1 size fits all, 1Tb with *everything*. Our UI needs more visual design. RACHEL people have added an API for their modules so we can incorporate that to the admin console to get individual RACHEL packages.
3. **XSCE/IIAB plans for this year: Go To Market Strategy**
 - a. XSCE/IIAB has the potential to be individually-driven, by an individual teacher or pastor or parent, setting it apart from community saturation of top-down laptop deployment models which is expensive (and bureaucratic ;)
 - b. We hope to engage teachers early; they ask for a lesson plan, 2 weeks training, and many things. Mentors, coaches, sunday school teachers, boy/girl scout leaders, etc - all 'teachers.' It is important to have plans for working with such people from the start, so we're looking to establish those kinds of links this year.
4. **New community member, Dave Crossland**
 - a. Dave Crossland explained his fonts work, and how educational learning resources are an important publishing channel for such fonts, and how he spent the last 2 years making fonts for a dozen writing systems used in LEDCs
 - b. Dave suggested that since smartphones are far outstripping all other computer models (in emerging economies especially): a 5" computer is the one in kids' hands, so having XSCE/IIAB optimized for smartphone clients seems wise.
5. **Similar Projects**
 - a. Our ally kidsoncomputers.org is doing no-travel-expenses conferences, list their deployments on their website, have Linux Foundation as a sponsor. The co-founders are Stormy Peters and Ragavan Srinivasan.

- b. There are precursors we integrate with: Internet in a Box (“our mom, if OLPC/Sugar is our dad”), RACHEL, Kiwix, ... There are 5-6 other groups doing similar things, why aren't we just working together on a single codebase?
- c. We've found that Sugar is for 5-12yo kids, while the content on an XSCE/IIAB today is more suitable to 12-18yo. We can ship Sugarizer to offer something for younger kids.
- d. Pearson was active around Uruguay's wider Ceibal project. After OLPC arrived, Uruguay welcomed a similar number (~200?) of Pearson staff. Rwanda also has similar major-publisher alliances. How to deal with quality and/or proprietary content that teachers want? What sources do we allow that are restricted licensed? The software is libre. How to put proprietary content (or anything custom) added to a XSCE/IIAB server?
- e. The wikiHow community is dealing with paid content in an interesting way, they grew a community slowly, they do time limited experiments with paid content. There's no antagonisms there.

6. Next face to face meetings

- a. The XSCE/IIAB community meets in Canada and US especially, whenever possible; in June there will be a [summit in Italy](#) with the RACHEL, XSCE, Kiwix, WMF, KA Lite, and many other communities from North America, UK, France, etc. We resist the 'publisher' label, but some of them are publishers. “Libraries Without Borders” is now in Paris (was Yale)
- b. Dave will meet Adam in Boston in May
- c. George will be in NYC in July

Thur 10AM EDT (NYC TIME) Apr 21, 2016 - voice call

- 1. Personal sync-ups - short call many will be travelling to <http://linuxfestnorthwest.org> !
- 2. Discussions consolidating around of XSCE 6.0.1 vs 6.0?
- 3. Last-minute prep for LinuxFestNorthwest.org Apr 23-24 and Design Workshop in British Columbia, Canada Apr 26 - May 3 !

Thur 10AM EDT (NYC TIME) Apr 14, 2016 - voice call

- 1. Personal sync-ups
- 2. Extraordinary success & lessons for all worldwide from a long visit to a central/historic prison wanting Internet-in-a-Box:
 - a. Co-curation technosocial models at the center of all of our futures
 - b. Share content frameworks beyond your walls or fail (hello Trump!)
 - c. HyperV (Microsoft) VM to run CentOS on their large Windows server?
- 3. <http://LinuxFestNorthwest.org> prep:
 - a. Tim bringing RPi3 & NUC (5i5?) packed with best.
- 4. Tim wanting to know more about removal of swap and boot partitions on NUC.
 - a. Are there long-term implications if kernel or other stuff needs to be upgraded in future?
 - b. For now, typical partition “/” is 46GB and typical partition “/library” is 917GB.
 - c. George now testing a 4-partition arrangement this week (at http://download.unleashkids.org/xsce/downloads/160412_centos_7.2_tcore7.img):
 - i. /boot (FAT? 200M) ..or VFAT possibly?
 - ii. /swap 4G
 - iii. / (~ 46G)
 - iv. /library (remainder: typically almost 900G)
 - d. After adequate testing, (is it backward compatible on NUC4, NUC5?) will become published.

5. Experts implementers need accurate documentation for immediate NUC needs:
 - a. George's
http://download.unleashkids.org/xsce/downloads/160407_centos_7.2_nuc6i3.img has no documentation so Holt will publish his couple pages of install notes immediately (subject line "conversely 6i3 demo" etc) as implementers are now demanding it -- unless someone has a better idea, solving their pressing problems as we speak!
 - b. They are confused why George's work remains unpublished, diverging from images on top-right of <http://schoolserver.org> (that prominent recommendation <http://xsce.org/downloads/xsce-release-6.0/nuc-images/> has incorrect README.html, strangely speaking about XO-1.5)
6. KA Lite 0.16.0 -> 0.16.1 -> 0.16.2 - their (learningequality.org) packaging issues in flux!
 - a. 0.16 Docs @ <https://ka-lite.readthedocs.org/en/latest/>
 - b. About an order of magnitude faster!! Startup similarly!!
 - c. Target RPi3 demo for LinuxFestNorthwest.org
 - d. When should existing/ongoing XSCE 6.0 installs jump forward to 0.16.x ?
 - e. Internal commands moved forward cleanly from 0.15.x to 0.16.x this time! (Unlike 0.14.x to 0.15.x transition which was a disaster)
7. Test ownCloud 8, new playbook (Tim interested, thanks to Jerry's research, ownCloud releases will track/sync up with Fedora going forward). [ownCloud 9](#) released on March 9th, 2016.
8. MAC filtering on hostapd on RPi3 (Tim's question)
9. XO/Sugar Backup Discussions @ <http://lists.sugarlabs.org/archive/sugar-devel/2016-April/thread.html#51800> (compare with ownCloud 8 -> 9?)
10. Distributed / Sneakernet server models like those emerging in Haiti and Peru's in comparison (experimenting for years with <http://school-network.org> by Aleksey Lim)
11. Portable IAB (Nano)servers benefit tremendously from (Micro)USB Battery Packs (known as "backups" in Haiti) that can charge WHILE they are being charged! 10,000 mAh and wonderfully affordable / highly-rated in this case:
 - a. <http://amazon.com/EasyAcc-10000mAh-Brilliant-External-Smartphones/dp/B00XTXY0JW>
\$13.99 (older model, orange/black)
 - b. <http://amazon.com/EasyAcc-10000mAh-External-Battery-Portable/dp/B00Y03M8XU>
\$18.99 (newer model, gray/black)
12. <yr item here>

Thur 10AM EDT (NYC TIME) Apr 7, 2016 - voice call

1. Personal sync-ups
2. Prison deployments possibs / could expand dramatically.
3. Burma/Myanmar 6i3 testing? Defer for a week or more until George TinyCore / partition work stabilizes?
4. XO-1.5 ears, George missed James Cameron's email for a few days; will respond to respond soon.
5. Tim's work on RPi3, learning a lot from Peter Robinson etc.
6. OSM Search very slow: critical speedup / improvement Tim is working on with Joel: not easy and no promises yet!
7. <http://LinuxFestNorthwest.org> (Apr 23-24) preparation!
 - a. BC design summit/retreat options (travel fine-tuning?)
8. North and East India Anish captive portal needs explained? (redirect users by default to <http://school.lan> how often--can we explain the purpose + scenarios more? And cookie/privacy

consequences if any??) So much travel -- visited 2 of 8 schools; training begun. WiFi mesh within villages working with XSCE? Spinning up <http://www.gl-inet.com/ar150/> with firmware from Terry Gillett? "Here are 7 tablets + docs, call us if trainings missed important bits!"

9. Haiti beginning to rock, client & server & more +)
10. Sugar Labs progress thanks to Dave Crossland, http://wiki.sugarlabs.org/go/Translation_Community_Manager etc, whatever the future holds, at least discourse has become more level-headed after a decade?
11. Nicaragua robotics, possibly using Edison (<https://meetedison.com>) Tim recommends?
12. George interested in co-developing vivid/quality electronics lesson materials for the developing world.
13. <yr item here>

Thur 10AM EDT (NYC TIME) Mar 31, 2016 - voice call

1. Personal sync-ups
2. Clarifying Jerry's transportation to Seattle/BC for <http://linuxfestnorthwest.org> and follow-on XSCE/IIAB/HaitiOS Design Summit (Apr 27 - May 2), also prep'ing for North Italy's Kiwix Hackathon: http://www.kiwix.org/wiki/Hackathon_Wikimania_2016 (June 17-23)
3. Captive portal ideas? (redirect users by default to <http://school.lan>) -Anish
4. thinfirm almost but not quite works on XO-1.5, with "ears" working as WiFi AP but appearing unstable -- George to summarize his noble-but-incomplete effort (incl SDIO patch/interface found by Jerry Vonau) to devel@laptop.org
5. [6.1](#), beyond, and release cycles discussion?
 - a. Apache shutting down properly/quickly now? Add to master and/or XO-1.5 image where? Scripting diagnosis on XO-1.5 per Tim's suggestions?
 - b. Pathagar upgrade fail/issue understood yet, after Tim upgraded to XSCE 6.0? Fix appears to be: "pip uninstall lxml" then click "Install Configured Options" from Admin Console (this runs `./runtags pathagar`) etc)
 - c. Strong reasons for semester-alignment (when are semesters around the world, realistically?)
 - d. Are 2 releases per year appropriate, healthy, and inspiring to legitimize organic (if not upgradable) adoption?
6. Rwanda conclusion for UPenn? (2 NUC's upgraded to XSCE 6.0, any final content required?)
 - a. WikiSpecies & PHeT added to both machines, but needing final polish on Demo NUC especially
 - b. Request testing feedback from Gerri L. on Saturday?!
7. Cazeau, Haiti server exploration: where to safeguard & what to learn from XSCE 5.0 user data + config files, prior to XSCE 6.0 + IIAB 2.0:
 - a. Any suggestions within March 24 call below?
 - b. Basics to be backed up to holt-content:/root/cazeau
8. 6th gen i3 NUC preliminary viability report from George -- does \$249 @ <http://frys.com/product/8732571> appear worth it for the masses in coming months? Short answer: YES, Amazingly considering all the complaints on Intel's support wiki etc, this now appears extremely stable so far! Longer answer evolving...
 - a. Install bios [0039.BIO](#) before you do anything! Context: <http://nucblog.net/2016/03/bios-version-0039-for-skylake-nucs/>
 - b. AC8260 WiFi is soldered into these NUC6i3SYH & NUC6i3SYK require Linux kernel 4.1+; how can this possibly work with CentOS 7.2+? Somehow it does...
 - c. Kicking the tires will take time--other reactions alongside <http://NUCblog.net> etc?

- d. TinyCore oops's, but George working on it, to provide "3min XSCE 6.x Install" later!
- 9. Is <http://www.adiengineering.com/products/minnowboard-turbot/> (MinnowBoard Turbot: Atom E3826) viable as a \$100-or-similar replicable IIAB platform, using CentOS 7.2 presumably?
 - a. Suspicion: no...CPU way too underpowered, lacks case/ruggedness...this is not the time for endless lab tinkering around new bring-ups -- *unless broad community adoption is real.*
 - b. <http://www.computingcompendium.com/p/arm-vs-intel-benchmarks.html> some comparisons.
- 10. <yr item here>

Thur 10AM EDT (NYC TIME) Mar 24, 2016 - voice call

- 1. Personal sync-ups
- 2. [Dell Inspiron 660s](#) server "cazeau" from [Ti Plas Cazeau](#), Haiti upgraded to 8GB RAM and live on VPN now in the USA -- new RTC forthcoming prior to overhaul. Let us plan its **"backup first + wipe/overhaul/upgrade later"** methodically, so this truly becomes a reference platform for Haiti:
 - a. Apparent BIOS/HW failures (even after new RTC battery: "CPU Fan failure", RTC time retained but RTC date keeps reverting to 01/01/2009 despite upgrading from A10 to the very latest A11 firmware, front USB ports & SD reader also fail). Severely questioning this entire overhaul for Haiti / summer 2016, if this cannot be run headless :-)
 - b. Protect 30-or-so users login names/credentials how?
 - c. Protect 30-or-so users Journals/data how?
 - d. What can we learn from system uptime, munin, messages currently waiting in /var/spool/mail/root etc?
 - e. Safeguard all configuration files online where, beyond just [/etc/squid/whitelist](#), which?
 - f. XSCE 5.0 on F18 -> XSCE 6.0 on CentOS 7.2 requires which image from George?
 - g. Theft Practicality: What techniques reduce theft of parts (constantly missing dongles, SD cards) as well as entire systems like NUC's that fit in a purse?
- 3. RPi 2 & 3: Tim/Jerry leaning towards [kernel 4.4.6 from krxel](#)
- 4. English IIAB progress being beefed up across the board (content, navigation, KA Lite integration) catching up with French? Thanks to many new users in the USA, Burma, Rwanda, Uganda, beyond? While Haiti is bringing rigor to the French IIAB ironically!
- 5. [XSCE 6.0](#) Release Imminent: what else does our general [FAQ](#) require?
- 6. Tim advocates for an XSCE release cycle every 6 months:
 - a. Timeslotting/rhythm includes which Design Questions, preferably sync'd to many world schools' semester needs?
 - b. British Columbia meeting in late April (central themes [XSCE 6.1+](#) and 32+ GB [HaitiOS](#)) will help resolve many opportunities here!
- 7. <yr item here>

Thur 10AM EDT (NYC TIME) Mar 17, 2016 - voice call - TENTATIVE: St Patrick's Day in Haiti +)

- 1. Personal sync-ups
- 2. Success in Haiti demo'ing 32GB XO-1 and 128GB XO-1.5 across many schools: important+evolving lessons learned!!
- 3. <yr item here>

Thur 10AM EST (NYC TIME) Mar 3, 2016 - voice call

- 1. Personal sync-ups
 - a. george -- 1.5 AP woes -- not reliable asymmetric pings, wildly varying ping time from server

- to client (2.5-600mS), CSS delayed on complex web pages(squid?), progressively slow connect dhcpd connect times, perhaps requires reload of firmware into libertas chip;(ifconfig stalls)
- b. tim - rpi2 woes - poor performance and rachel download logistics
- 2. xs-activation / antitheft in Colombia:
 - a. attempt to implement on xsce 5 -> xsce 6 F23 on rpi (core issue: requires F18 or prior)
 - b. agree to remove from <http://download.unleashkids.org/xsce/repos/xs-extra/noarch/> as our playbook no longer uses this and manually installing breaks apache
 - c. http://wiki.laptop.org/go/Manufacturing_data shows who owns laptops
 - d. need to add documentation?
 - e. moved to <http://download.unleashkids.org/xsce/downloads/xs-activation-0.3.14.gd2a3727-1.fc17.noarch.rpm>
 - f. source in <http://download.unleashkids.org/xsce/repos/xs-extra/source/xs-activation-0.3.14.gd2a3727-1.fc17.src.rpm>
 - g. German's solution of separate activation machine is recommendation.
- 3. GCompris Progress!
 - a. new Android apk includes 100+ activities (all but 5) done?
 - b. sideload from XSCE (local/offline URL) to Android tablets/phones?
- 4. XSCE 6.0 Target Images:
 - a. nuc-centos GH (Tony's issue on "Gigabyte" brand server? UEFI->legacy not suffic: try updating firmware!) Worked for Anish on the NUC with minor fixes to networking.
 - b. nuc-f22?
 - c. xo-1.5-base? AP issues.
 - d. xo-1.5-32G-en-es?
 - e. xo-1.5-32G-en-fr-ht?
 - f. xo-1.5-128G-en-es?
 - g. xo-1.5-128G-en-fr-ht?
 - h. rpi2-f22-pre-install-console
 - i. rpi2-f22-post-install-console
 - j. rpi2-f22-kiwix-kalite-iiab-rachel-base?
 - k. rpi2-f22-32G-en-es = 32G XO-1
 - l. rpi2-f22-128G-en-es?
 - m. rpi2-f22-128G-en-fr-ht?
 - n.
- 5. release fix workflow
- 6. <http://linuxnorthwest.org> & BC, Canada sprint/summit
- 7. schedule next call
- 8. <yr item here>

Thur 10AM EST (NYC TIME) Feb 25, 2016 - voice call

- 1. Personal sync-ups
- 2. Guest Speaker [Kenneth Wyrick](#), recently back from Ghana, having many lessons to offer on RACHEL & Internet-in-a-Box community adoption patterns, e.g. in one girls' dorm in Cape Coast, Ghana:
 - a. Wikipedia popular but OpenStreetMap is NOT used by as many as expected, and we should learn from this...what's popular and why?

- b. RACHEL's tiny form-factor is really going places: how can everyone understand this better, and support this actionist MVP (minimum viable product) growing into a very real Wikipedia-like global community? (Guatemala, Ivory Coast, Namibia, Kenya, Ghana..)
 - c. QUESTIONS From All!
- 3. ownCloud - Update to Dec 2015 7.0.12 or later b/c vulnerability [CVE-2016-1500](#)? All [release notes](#).
- 4. OLPC OS 13.2.7 released!
 - a. XO-1 & XO-1.5 SD consequences? XO-4?
 - b. logrotate: what are best practices for wide/offline deployment?
 - c. Towards a field vision (eventually approaching) [Ubermix](#), which now allows all teachers to restore to the pristine content/configuration with zero bureaucracy, [at the firmware's 3-2-1-0 prompt](#)? Question for Jerry: how does Ubermix achieve this "clean OS+content restore" with or without using a hidden partition?
- 5. [XSCE 6.0](#) images & community outreach deliverables?
 - a. RPi2 status/goals
 - b. XO-1.5 (XO-4?)
 - c. CentOS 7.2 on NUC
- 6. <yr item here>

Thur 10AM EST (NYC TIME) Feb 18, 2016 - voice call

- 1. Personal sync-ups
- 2. XO-1, XO-1.5, XO-4 builds:
 - a. has glibc-2.16-34.olpc.0.fc18.src.rpm backport of CVE-2015-7547 security fix been applied?
 - b. within file /usr/lib/firefox/mozilla.cfg comment out: // pref("browser.startup.homepage", "<http://myserver.lan>")
- 3. Images & repos:
 - a. ensure only CVE-2015-7547 compliant images are available, removing all old copies
 - b. ensure we can supply src rpms for rpms we offer.
 - c. schedule monthly updates of images we offer.
- 5..<yr item here>

Thur 10AM EST (NYC TIME) Feb 11, 2016 - voice call

- 1. Personal sync-ups
 - a. George: challenge to get HW address/AP/bridge/hostapd to come up on another XO-1.5, but big progress using Jerry's code this morning! flag: hostapd enabled
- 2. [XSCE 6.0](#) release now imminent?
 - a. Please look over [Fresh Install Doc](#) polished on Feb 6th!
 - b. Final testing/document requirements/blockers?
 - i. XO-1.5 & XO-4 images all set? (GH)
 - ii. Additional F22 (JV) & CentOS (GH) images by Valentine's Day?
 - iii. Two [RPi2 XSCE](#) images and [ReadMe](#) (what's the real difference between the 2 images?)
 - c. So, where does our [FAQ](#) most need beefing up?
 - d. [XSCE 6.1](#) pragmatism, means what, for Q2 2016?
 - e. [\\$29 2GB Pine64](#) dreams: will Fedora 24 boot by around June 2016 ship-time, thanks to Peter Robinson's hard work?
- 3. [IIAB 2.0](#) lessons learned+evolving...

- a. For Now: 794GB in English, Spanish, French, Russian, Arabic, Khmer, Malay, Burmese, Swahili, Kinyarwanda and Haitian Creole.
- b. Big News with extremely high-quality French videos suddenly coming available, from numerous top-notch science/math French TV stations/publishers, and a couple English ones too?
- c. Is there hope for XO-1 video in some cases, as Alex Perez's testing demonstrates?
- d. "Wikipedia 0.8" evolves: what NEW educational subsets of Wikipedia EN/FR/ES are arising? (Mark Roden's roadmap/plan to be published soon: Saturday mtg needed or no?)
4. XO-1.5 as community knowledge hotspot, progressing rapidly [thanks to George Hunt](#):
 - a. SD card consensus economics, so community mass-production rocks? Short-term size preferences & resizing techniques if nec?
 - b. Boot process slow: why, and how much do we care? Second reboot helps what?
 - c. Haiti deployments potentially numerous / other countries already in March too?
 - d. Do "xs-hotspot-off" and "xs-hotspot-on" commands make any sense, or no?
5. <yr item here>

Wedn 10AM EST (NYC TIME) Feb 3, 2016 - voice call

1. Personal sync-ups
2. 6.0 issues:
 - a. Newer DansGuardian issue: has no antivirus support, usually for Windows (used to contain ClamAV?) but still blocks porn, fine!
 - b. Sugarizer not packaged into an Ansible playbook for 6.0, perhaps 6.1?
 - c. Anish prep'ing rapidly for 40 "NUC" deployments after Sunday, using ISO method Jerry strengthened.
 - d. Re-organizations of console will not make it into 6.0
 - e. George reading install docs: beef up description of ISO install method especially? Tim: support 3 ways to install {Ansible, image, ISO..making described..what next not yet sufficiently described?}
 - f. Many More...video for installation of F22 and/or F23?
3. \$100 "don't touch it" self-contained server considerations, if a stronger server than XO-1.5 is required -- for place like Haiti where maintenance doesn't happen despite the best of intentions, food+survival instincts far stronger:
 - a. will work with George/Jerry to see if ears on XO-1.5 can deliver for Windows/Android fully offline nanodeployments
 - b. how close does <http://canakit.com/raspberry-pi-starter-kit.html> come to a strong compromise?
4. <yr item here>

Thurs 10AM EST (NYC TIME) Jan 28, 2016 - voice call

1. Personal sync-ups
2. India - great news 40 schools in 2 states moving forward quickly in coming weeks:
 - a. Madhya Pradesh (Central India)
 - b. Tripura (North-East India)
3. XSCE 6.0 release considerations!
 - a. Documentation location choice(s)
 - i. <https://github.com/XSCE/xsce/blob/master/ReleaseNotes6.0.md>
 - ii. others presumably within <https://github.com/XSCE/xsce/tree/master/docs>

- b. Home page / portal's sensing of languages / etc?
 - i. Difficult but other configurations almost-automated. Turned off for upcoming release. Will revisit in FUTURE.
 - ii. Document options! - variable to control redirect to home page (/home, /wiki, /wordpress)
 - iii. Interim /var/httpd/www/index.html Splash Page during install, reminding folks what to run/configure? (./install-console etc?) [FUTURE]
 - c. Automated Testing (Tim)
- 4. Wikipedia 0.8 -> 0.8.1 -> 0.9 coming: more educationally relevant offline extracts of different Wikipedias, thanks to experienced experts like Martin Walker, Emmanuel Engelhart.
- 5. April/Summer meeting/travel planning...proposal to meet wkd of Apr 30/May 1 in BC after <http://linuxfestnorthwest.org/2016> (that's the wkd prior, Apr 23/34, in Bellingham, WA)
- 6. Auto-installation & Auto-configuration of WiFi Access Point (TP-LINK 841N) firmware from XSCE (Tim)
 - a. Success: you can now connect 1 AP at a time, and all is done for you within a couple min (except for naming SSID!)
 - b. Uses Terry Gillett's far-friendlier interface to OpenWRT, expanding the number of WiFi clients dramatically, from "almost 20" to "almost 40"
- 7. <yr item here>

Thurs 10AM EST (NYC TIME) Jan 21, 2016 - voice call

- 1. Personal sync-ups
 - a. George -- some results on an xo1 running most recent debian
 - i. 18 sec to text login, 60 sec to X11 login (42 additional), 85 to desktop, 125 to firefox(iceweasel), 105 to epiphany (all times from start up, not additional)
 - ii. modified os-builder to create xo1, xo1.5, (client and AP) (mate and xfce) --most of effort so far is on xo1 -xfce -- because it is light weight and snappy -- but have generated an xo1.5 image that boots and has mate-no time to test.
- 2. Alternate OS's being explored on XO-1 and XO-1.5 especially: (see George's note above)
 - a. http://wiki.laptop.org/go/Debian_Jessie_on_XO (Nov 2015) on XO-1 includes Firefox 38, Firefox 43 in testing repository, Firefox 44 in experimental repository (James Cameron)
 - b. Fedora 20 and Fedora 22 experimentation on XO-1.5 (Jerry)
- 3. 32G duplication challenges - many lessons informing evolving field strategies
- 4. 32G and 128G SD beta refinement goals:
 - a. 32G en-es for XO-1 - VPN naming on 1st boot
 - b. 32G en-fr-ht for XO-1 - index.html & testing for North Haiti (ft-wiki, w4sch -> simple-wiki will free up 1+G!, fr-wiktionary, ht-wiki...~600M avail...add 200M syans + liv kreyol}
 - c. 128G en for XO-1.5 - OSM warning (search too slow)
- 5. Los Angeles [SCaLE 14x](#) conference preview!
 - a. XSCE 6.0 HW support+date targets?
 - b. Raspberry Pi volunteers will be numerous! (Can we impose RPi 2+? Yes...)
- 6. <yr item here>

Wedn 10AM EST (NYC TIME) Jan 13, 2016 - voice call

- 1. Personal sync-ups
- 2. Wrapping up with Martin Walker (who coordinated creation of https://en.wikipedia.org/wiki/Wikipedia:Version_0.8 2004-2011) on 0.8 "refresh" -> 0.8.1 "new modern/larger lists" -> 0.9 "next-gen"

3. Content Patching
 - a. olpc, e.g. musical instruments
 - b. phet menu
 - c. ? filter zims with dansguardian
 - d. fix up machine translations by reference to full localized versions
 - e. http://schoolserver.xsce.org:3000/wikipedia_fr_all_2015-03/A/Barclays.html
 - f. http://schoolserver.xsce.org/NEW/wiki4Schools/wikipedia_for_schools-fr/wp/b/Barclays.htm
4. BTSync (BitTorrent Sync)
 - a. need to prove it with George and Anish
5. tftpd
6. testing status (e.g. more automated flashing of OpenWRT onto 841N from server?)
7. OS Builder
 - a. <https://github.com/jvonau/olpc-os-builder-1/commits/v7.0-xsce>
 - b. <https://github.com/jvonau/olpc-os-builder-1/commits/F22-host>
8. Meet in 7 days / Wedn same time??

Thur 10AM EST (NYC TIME) Jan 7, 2016 - voice call

1. Personal sync-ups
2. LA prep of XO-1 image especially:
 - o To ship out physically to Beta Tester today (Thursday) if possible?
 - i. Partition auto-sizing clarification (when should /etc/xsce/sd_size be set? script at /library/IIAB-2/scripts/resize32 on the NUC. "dd if=160106_xo1_minimal.img of=/dev/sdb bs=4M"). "/home/olpc/.olpc-configured" flag affects 1st boot. Separate from "/.olpc-configured" which controls expansion of 2nd partition etc. Initial OLPC configuration disabled..may have side-effects?
 - ii. Can key activities be "auto-starred" to appear in ring/spiral? Yes, e.g. {TuxMath, TuxType, FotoToon}
 - iii. Is "man yum" fixable? How to count or list installed "man pages" ? (set 1 to 0 doesn't work: needed to delete macro in imagecreate; do both for now? playbook may need to be fixed..)
 - iv. Can /bin/xs-handle-automatic be run automatically during 1st Sugar boot, so the machine's new name propagates correctly/promptly to /etc/xsce/handle ? (without waiting for next boot's /etc/rc.d/rc.local or /usr/bin/sugar)
 - v. /bin/xs-betaprep recommendations:
 - /bin/xs-desktop (rather than /bin/xs-iiab or /bin/xs-text)
 - yum clean all (though we should keep yum's cache on larger SD cards, so that "yum info firefox" etc work even when offline hopefully!)
 - let's manually set Sugar screen/machine name to UNNAMED_DEFAULT, since we've not found a way to automate this in gsettings
 - vi. Add an <a href=<http://schoolserver.lan>>School Server link near top of <http://library/index.html>
 - o Followup ship with-content-included (even if very generic 32GB) on Saturday?
 - i. New ideas from Emmanuel Engelhart
 - o Content/Curation 32GB targets for: (1) Spanglish (2) HaitiOS (3) IndiaOS?
3. For now we will do xo1 partition resizing on a machine other than holt-content
 - o Adam to resize and insert into holt-content
4. XO-1.5 and XO-4 practical lessons from above image creation?

- Ears' AP Mode plausibility?
- Best Practices for XO-1.5 (or XO-4, whatever) school servers running around a school-yard, given a larger NUC <http://schoolserver.lan> is also present! Conclusion: mobile servers should be renamed <http://myserver.lan> !
- 5. Can OpenWRT help \$19 TP-LINK 841N WiFi Access Points more steadily handle 20-30 simultaneous connections, as compared to factory firmware and DD-WRT and "tomato" ?
 - Is auto-installation (or at least configuration) of TP-LINK 841N's possible, from XSCE?
 - Can we recommend 2 units of TP-LINK 841N in a classroom of 50 Haiti kids during intensive (but non-video) hammering on server, or would that require 3 such AP's etc?
 - Healthy discussion on this central topic of XSCE/IIAB's real-world-load-testing begun @ <https://groups.google.com/forum/#!topic/unleashkids/nDdxptNIFpQ> (Terry Gillett: OpenWRT installation/usability has made strides on above AP's)
- 6. Thanks to Terry Gillett's also for his recent deployment trip to Cambodia apparently, leading to a serious (?) warning for XO-1 laptops, when RACHEL tabs are closed in the Browse activity: <https://github.com/sugarlabs/browse-activity/pull/18>
- 7. Do we need a button on console which says "use internal wifi to connect to the internet"? (in addition to the button which enables hostapd). gjh
 - ? set of radio buttons for: don't use, use as WAN, use as AP
- 8. Epiphany and the Home Page - a novel (language issue with Apache?)
- 9. <yr item here>

Wedn 9:30AM EST (NYC TIME) Dec 30, 2015 - voice call

1. Personal sync-ups
2. Sugarizer guest talk, by its founder/creator Lionel Laske -- below notes reposted to <https://github.com/llaske/sugarizer/issues/63> on Apr 24, 2016:
 - a. <http://Sugarizer.org> landscape (objectives) for 2016:
 - i. 4 strong legacy activities now much-strengthened in Sugarizer, thanks to hard work in 2015: 1 Memorize, 2 Paint, 3 Calculate, 4 Record.
 - ii. Bonus Physics activity now uses accelerometer, Record publishes to Journal, Khan Academy Explorer can use online or offline link to content, dramatic TurtleJS enhancements since earlier this year, Labyrinth activity, Etc. While there's no Pippy activity of course (Javascript has replaced Python!) one could imagine integrating brython.info's Python 3 implementation for client-side web programming.
 - iii. Per-user Memory/CPU footprint unclear to date as servers will need to scale to larger schools, but "Write your own web activity" Development Kit is here: <https://github.com/sugarlabs/sugar-docs/blob/master/activity.md>
 - iv. Lionel hoping for "full Android launcher" thanks to his Paris student Michael during summer-of-2016 Google Summer of Code? Permitting seamless launch of Android apps like GCompris from Sugar wheel! Many of other Google Code-in students working on activities as well.
 - v. Sugar's Frame (border around screen) is not relevant today; Sugarizer's top-banner is sufficient for now, given each activity is largely a self-contained experience triggered by an index.html (that could potentially change, restoring OS-like visuals on the bottom of the screen as Sugar 0.10x have increasingly offered in recent years, for highlighting/Speaking phrases in any activity to say them out loud with Ctrl+Alt+S and other OS-level visuals/quick adjustments, not requiring the full "My Settings".

- vi. Lionel very impressed by Tim's XSCE+Sugarizer integration live demo <http://schoolserver.xsce.org/sugarizer> below, which just works with multi-user "collaboration" (Journal) and live "presence" inter-user messaging etc too! WARNING: while "My Settings" on above server shows Sugarizer 0.7, this is not yet 100% final -- for now it's in fact "Sugarizer 0.7 Pre-Release" would be more correct, and it should probably be labeled as such.
- vii. <http://Sugarizer.org> itself remains at stable release 0.6 for just a bit longer: hopefully not that many days/weeks until 0.7 is official! Even with Sugarizer.org being a small web instance, it should be able to handle 20 simultaneous users during Los Angeles's large conference Jan 21-24: <https://www.socallinuxexpo.org/scale/14x>
- viii. Conclusion: Sugarizer can be a platform to (re)engage and turn on new developers, potentially in very large numbers, with a code-to-testing-to-active-learning experiential loop closer to so many people's modern Android/iOS/RPi/NUC/etc realities!
- b. Lionel clarifies how straightforward installation truly is (certainly Sugarizer Server without Presence/Collaboration). [So] just copy/paste Sugarizer source code into a directory exposed from a HTTP server. That's all: `http://<XSCE>/<sugarizer_directory_exposed>`
 - i. Sugarizer Server integration with Presence/Collaboration is slightly more complex because a node.js + MongoDB process is needed. Detail @ <https://github.com/llaske/sugarizer/blob/master/README.md#server>
- c. Tim's questions and comments:
 - i. would ejabberd work for presence? (already installed)
 - ii. we have one other nodejs app; can there be conflicts?
 - iii. had to change 8080 to another port because conflicts with idmgr
 - iv. is there a release branch/tag we should use to install rather than master?
 - v. should we leave in web root or put in /opt or /library? (currently 485M)
- d. Lionel's replies:
 - i. about docs mentioning port 80, while ini file has 8080 on XO-1.5 testing? In fact, the current implementation of Sugarizer server with collaboration rely on two HTTP server: Apache2 and node.js:
 - ii. Apache2 is use to serve all static contents (by default on port 80)
 - iii. Node.js is use to server dynamic content: RESTful API of the Sugarizer server (by default on port 8080)
 - iv. The link between those two HTTP servers is in the .htaccess file <https://github.com/llaske/sugarizer/blob/master/api/.htaccess>. File asks Apache2 to redirect all calls to Sugarizer api directory to the node.js server. So <http://server/> will go to Apache2 but <http://server/api> will go first to Apache2 then will be redirected to node.js.
- e. Caryl's questions for Lionel: Additional Sugarizer priority Activities. My choice: TamTam... What would be needed to get universally working versions on Sugarizer for: TamTam Mini... a playable onscreen keyboard with at least one octave similar to some of the Apps available in the app stores... but with the ability to use the many different voices available on our TamTam suite. A "drum kit" similar to the one in TamTam would be nice too. It would probably need a screen of its own for set up. So there would be (at least) 3 screens needed... one to choose the instrument voice (already have that in TamTam Micro), one to set up the drum kit, and one with the keyboard to play along. *(Others can add their own favorite Activities for additions here too...)*

- f. Jerry's question for Lionel: Any plans to distribute sugarizer via pre-compiled packages such as rpms or debs? (Not at this time?)
- 3. SoCalOSSIE (formerly OLPC SoCal) will have an "olpc 2.0" booth at the Southern California Linux Expo <https://www.socallinuxexpo.org/scale/14x> the third weekend in January. Among other things, we will probably have Sugarizer running on a variety of devices and be inviting folks to download and try it and, perhaps if they have the skills, to volunteer to help make additions to it. What specific skills would be useful for people who want to help? What other projects could use more volunteers and what skills would be needed?
- 4. gtk3 problems heads up - Fedora 24 (Rawhide prerelease) Sugar-on-a-Stick: <http://ur1.ca/od48e>
- 5. Discovered how to add files to CentOS 7.3 (do you mean 7.2?!) /library/content/ (Visible in /xs-portal: "Access Other Content")
 - a. write/download file to xsce-admin save in home/xsce-admin/downloads
 - b. log in as root; copy file in xsce-admin/download to file system /library/content/
- 6. <yr item here>

Wedn 10AM EST (NYC TIME) Dec 23, 2015 - voice call

- 1. Personal sync-ups
 - a. introducing Anish's colleague in India: <http://linkedin.com/in/arvindthanvi>
 - b. TK Kang's successful testing XSCE 5.1 on XO and VT-Rachel Openwrt integration. Interest in mobile XSCE as a web2 (read/write) interactive platform manage by children - 1ServerPerChild running on XO. Need image XSCE optimised for Elgg/Owncloud usage. Contacts to do work from Sri-Lanka to the Himalayan via my network of monks involved in humanitarian work.
- 2. Anish asks "what's the relative stability of installing from git v/s the live install iso for the NUC?"
 - a. Or should he wait for a newer image? Nov 19's best NUC image here to date? <http://download.unleashkids.org/xsce/downloads/installer/centos/>
 - b. Anish prefers git avenue to get latest XSCE 6.0 pre-release as of today.
 - c. Arvind's weekly/monthly desire for server data uploads sync'ing to a central server?
 - i. Server statistics but which? content...can AWStats support back+forth synchronization to mother ship, beyond munin etc?
 - ii. Engaging govt orgs (mayor & higher) request e-governance forms locals want to download, regardless 2-WAY communications ongoing, possibly using pen-drive?
 - iii. George outlines bittorrent sync as a future similar to rsync (only changed portions have to move around). With Tim's warning: granularity of .ZIM files is a big problem, deltas (updates) are too ginormous today. Ansible's push from central server somewhat subverted for local config.
 - iv. Arvind on incremental releases: using server from phone, could server remind smartphone user to contribute bandwidth for critical server SW/content updates?
- 3. Can man pages be added to George's 13.2.6-style builds, and if so how? (Removal of Linux man pages in 2007/2008 was a painful legacy of XO-1's 1GB upper limit, thankfully mitigated by jffs2's excellent compression for almost 1.5GB down to less than 800MB, but we're now able to make room for many 10's of MB as nec!?)
 - a. Jerry has provided insights to George: this may well be possible
- 4. Haiti 32GB Alpha/Beta image's gloriously hard work, ramping up for others.
 - a. ~400MB remaining but OS slimming down a bit will help.
 - b. en+fr+ht content balancing act much tighter than en+es, largely as a result of French

- Wikipedia being larger: pdf's, science, calibre (:8090)
- c. School Servers should distribute .APK's such as the very powerful Google Translate oral/visual live translation
- d. XO-4 runs Android 4.3.1 (originally Oct 3rd 2013 from Google) but available here for XO-4 Touch: <http://wiki.laptop.org/go/Android>
- 5. Revised manifest / definition of IIAB 1.9 for German & others? Done: includes OSM levels 0-to-15, and so ready to ship to German.
- 6. Can we release 6.0 without testing? ala Tim's spreadsheet-
https://docs.google.com/spreadsheets/d/1pevXOSIoV9LQF_8QV-5_ds0WPqC1Lko3UYYJh8UnUkM/edit#gid=0
- 7. Is early 2016 really a reasonable release date for 6.1? [What should 6.1 be most important](#), instead of a loose grab-bag, what focus points are most urgent?
- 8. <yr item here>

Thur 10AM EST (NYC TIME) Dec 17, 2015 - voice call

1. Personal sync-ups
2. CentOS "7.2" (1511) released, but what does this really bring:
 - a. Cynical observation that CentOS is being released almost as often as Fedora since June 10 2014's RHEL 7.0 original release (so be it).
 - b. Understanding the differences betw CentOS 7.0, 7.1 and 7.2 ("yum update" essentially updates all 7.* to "7.2" at this point) even if only for academic reasons -- security model may be more sophisticated but CentOS with "yum update" is very comprehensive on any 7.x by definition, even if 7.x point releases diverge around the edges?. Dec 14 2015 "7.2" (1511) Release Notes: <https://wiki.centos.org/Manuals/ReleaseNotes/CentOS7>
c:yum update in centos7.1 xsce install yields working server.
3. [Spanish Content](#) Disk v0.1 to ship to Nicaragua:
 - a. OpenStreetMap confirmed clean by Tim?
 - b. Spanish-titled OSM to be generated for 2016 by Anish? (separating labelling into own layers? adds 10% storage overhead?)
 - c. Spanish-narrated TED videos for later in 2016: downloading and zim-creation work targetted around the time we meet in Managua mid-2016 perhaps? (Since Spanish subtitles are already available in MANY/MOST of our TED videos to date?)
 - d. Payment/Timing around current physical disk/shipping to Miami bank etc.
 - e. *Normalizing Content Directory Structure!* Tim consolidating "Spec" more than Manifest for portable/shippable HDD's especially (George will assist)
 - f. Ability to "Uncheck Content" then have it disappear immediately in [XSCE 6.1](#) ??!(Mechanism to remove working files & download already exists, but needs to be expanded.)
 - g. Advancing Spanish Discussions on xsce-devel mailing list and others...with Caryl, Yama & All~
4. Tom Gilliard's documentation + testing progress:
 - a. Tom review latest additions @ https://wiki.sugarlabs.org/go/XSCE#Install_onto_Intel_NUC
 - b. Does .epub display with a single click on 13.2.6? Or a couple clicks, auto-loading into the Read activity? answer: one click to start [read] is offered. and it works.
 - c. Back-of-napkin physical layout of server connections re-posted @ https://wiki.sugarlabs.org/go/File:640px-System_setup--rotated.JPG
5. XO-1 and XO-1.5 [13.2.6](#) action/timeframes, thanks to George Hunt especially, and Tim/Jerry's

invaluable input to streamline workflow / handoffs to each of us:

- a. Beta shipments possible in 2015, even if minimal IIAB (128GB likely) isn't fully polished?
- b. Haiti, Zambia, Pakistan trials in which order?
6. [FAQ-as-Community-Action](#) for 2016, pending:
 - a. Driving Questions for new field implementors volunteers in 2016?
 - b. Driving Questions for new tech volunteers in 2016?
7. <http://Sugarizer.org> integration within XSCE/IIAB:
 - a. What timing is best for a meeting with Lionel Laske in the coming month?
 - b. What prep is appropriate to get this Cleanly integrated with XSCE 6.1 in Q1 of 2016 ideally?
8. Offline Editable OpenStreetMap by SpatialDev:
<http://news.spatialdev.com/portable-open-street-map/>
 - a. Portable Open Street Map (POSM) @ <https://github.com/AmericanRedCross/posm>
 - b. Work is emerging with [Stamen Design](#) for the American Red Cross
 - c. Will this work become significant outside of the NGO "relief" space, with local mapmaking upstreamed back into <http://openstreetmap.org> itself for worldly educational-civic-archival purposes?
9. [XSCE 6.0](#) release date priorities & [XSCE 6.1 roadmap ambitions](#) ?
10. Beefing up timing for future in-person meetings:
 - a. **Jan 21-24 in Los Angeles / Pasadena @ <https://socallinuxexpo.org/scale/14x>**
 - b. **Apr 23-24 north of Seattle @ <http://linuxfestnorthwest.org/2016>**
 - i. **Summit/Sprint prior week, or following week on Vancouver Island? Including Kayaks!**
 - c. Early Summer 2016 in Toronto, Canada?
 - d. **Late Summer 2016 in Managua, Nicaragua!**
 - e. Autumn 2016 near Delhi, India?
11. Are Wednesdays (Dec 23 & 30) better than Thursdays (Dec 24 & 31) for final 2 calls of 2015?
Yes!
12. <yr item here>

Thur 10AM EST (NYC TIME) Dec 10, 2015 - voice call

1. Personal sync-ups
2. India, big news from Anish Mangal:
 - a. Dramatic expansion of NUC deployments expected shortly.
 - b. Boot argument might solve dd'ing of virtual machine?!
3. George Hunt had success with Sugar 0.107 (OLPC OS 13.2.6) & XSCE/IIAB on XO-1.5!
4. Haiti obstacles, but much more to come in future weeks.
5. Tom Gilliard continuing to hammer on so many different installs & documentation @ <http://wiki.sugarlabs.org/go/XSCE>
 - a. Tim assisting to resolve RACHEL bug? (CRC)
6. Discussing Jerry Vonau's F22-XSCE-LIVE.iso & F23-XSCE-LIVE.iso @ <http://download.unleashkids.org/xsce/downloads/installer/experimental/> that Tim Moody reviewed carefully over the past week.
 - a. Strategic implications for XSCE 6.0's imminent release?
7. Spanish content for Nicaragua getting organized:
 - a. Manifest (detailed list) of all included content will be sent by Tim Moody to German Ruiz in coming 7-10 days.
 - b. HDD will ship to Miami bank address by Christmas hopefully.

- c. Fantastic transit map of Managua created by German's OpenStreetMap friend we hope to meet mid-2016 during our upcoming XSCE/IIAB summit in Nicaragua:
<http://rutas.mapanica.net/#13/12.1260/-86.2550> (not unlike Haiti's <http://taptapmap.org> created by OLPC Community's very own Nick Doiron!)
- 8. Planning underway by many for Jan 21-24's very large conference in Los Angeles (Pasadena)
<https://www.socallinuxexpo.org/scale/14x>
- 9. <yr item here>

Thur 10AM EST (NYC TIME) Dec 3, 2015 - voice call

- 1. XSCE 6 Status
 - a. Neither ansible nor console work without an internet connection or setting a global flag that prevents feature installation.
 - b.
- 2. Platforms Supported
 - a. XO-1.5, XO-4
 - i. Appliance: Internal Wifi or USB Ethernet
 - ii. Gateway: Internal Wifi or USB Ethernet WAN and USB Wifi AP and/or USB Ethernet LAN
 - iii. NW Controller
 - b. NUC
 - i. CentOS
 - ii. F22
 - iii. ? Other OS
 - iv. ? Limits on network devices
 - c. RPi 2
 - i. F21
 - ii. ? Limits on network devices
 - d.
- 3. Home Page strategy
- 4. Docs
- 5. Personal sync-ups
- 6. <yr item here>

Tues 10AM EST (NYC TIME) Nov 24, 2015 - voice call

- 1. Personal sync-ups
- 2. Fedora 23 issues (with Ansible etc) cleared up for testing now-needed packages arranged by Jerry:
 - a. Jerry's http://wiki.laptop.org/go/XS_Community_Edition/Features/Kickstart helps with use cases?
 - b. Big Progress: F23 now boots/works, available on Jerry's NUC (contact him) towards availability of ISO / LiveCD ? Those who have access to his personal NUC try:
[/library/content/Fedora-23-live-64/F23-XSCE-LIVE.iso](#)
 - c. Caveat: if you want a GUI install, window manager will be required (currently rather spartan for demo purposes, timing install testing, etc...in short headless works (testing forthcoming)...we should agree on a partitioning layout, Time Zone frills etc...pending graphical pkgs as desired later).
 - d. "UEFI or MBR both can work" (using same tools Fedora used to build their LiveCD)

- e. Conclusion: far cleaner/simpler than F22, contact jvonau to check this out !
- 3. Easing Beta Testing feedback loops:
 - a. xs-**betaprep** defaults to running xs-remote-**on**
 - b. xs-**sysprep** defaults to running xs-remote-**off** (for final shipments, further cleans up by deleting .bash_history etc)
 - c. xs-handle-automatic provides machine metadata & Sugar nick to xsccenet.net for Beta testing on a very regular basis, i.e. whenever /etc/rc.d/rc.local and /usr/bin/sugar are run.
 - d. Users will be loudly warned (splash screen) on every Sugar bootstrap to type "su -c xs-remote-off" to disable this if desired. Advanced users are encouraged to look inside /bin/xs-remote-off and /bin/xs-remote-on to fine tune, e.g. preserving sshd while turning off OpenVPN, or suitable security/privacy balance.
 - e. **Does the regular use of "systemctl restart openvpn@xsccenet" truly override xs-remote-off's "systemctl disable openvpn@xsccenet" ? Indeed: enable/disable only affect boot behavior. Conclusion: we'll now implement 2 visible flags (possibly in the distant future moving these to /usr/xscc/xscc.ini). But for the foreseeable future testing for these 2 flags' presence, with bash's [-f filename] etc:**
 - i. **/etc/xscc/openvpn_allowed**
 - ii. **/etc/xscc/sshd_allowed**
- 4. XSCE 6.0 Priorities:
 - a. networking?
 - i. will USB-to-Ethernet dongles be movable across machine's different USB ports in future? (possibly, but dongle's MAC address will still need to be hardcoded... ./runtags)
 - b. docs?
 - i. Tim's DRAFT XSCE 6.0 Release Notes:
 - ii. <https://github.com/tim-moody/xscc/blob/nov21/ReleaseNotes6.0.md>
 - iii. Tom's <http://wiki.sugarlabs.org/go/XSCE> (evolving install notes, for [George's RC1 from Nov 19](#) especially!)
 - c. <http://tinyurl.com/xscc-six-test> on which platforms especially?
- 5. Nicaragua Update:
 - a. CentOS 7 32-bit first test - not working (EPEL not available, missing pkgs like Ansible)
 - b. so switched to Fedora 22 testing for 1 day, as activation support's 3 packages needed
 - c. OLPC activation not working at all on either :/
 - d. KA Lite (Khan Academy) testing, takes 9min to start!
 - i. 35GB torrent downloaded? Now working..
 - e. Kiwix next? On F22 32-bit? Seeks: Wikipedia (use Kiwix over IIAB legacy), Books (which in Spanish or otherwise?!), OpenStreetMap.
 - f. What 128GB USB (better yet a 1TB USB 3.0 disk for \$~50) needs to be sent to German's friend in Miami (or elsewhere in the US) to fly the data to Managua?
 - g. Consensus: go with 64-bit, which means CentOS 7.1 is the most tested/secure for rural & less-maintained deployments going forward. Unless obscure HW/driver issue arise, and F22 is required?? Even if CentOS 7.2 is now imminent, it will be many months till we have confidence in that :}
 - h. Raspberri Pi XSCE image used F21 for now:
 http://download.unleashkids.org/xscc/downloads/installer/rpi2/rpi2_151106.img.zip
- 6. Content Catchup!
 - a. 32GB to 128 to 64! But no 69/96 please, we're British ;-)

7. <yr item here>

Thur 10AM EST (NYC TIME) Nov 19, 2015 - voice call

1. Design - stale data
2. Outstanding Tasks to Complete 6.0
3. Outstanding PRs
 - a. 486, 487, 488, 491, 493, 494
 - b. all accepted except 493 and 491 with change
4. Release Notes 6.0
 - a. George's draft @ <https://github.com/georgejhunt/xsce/blob/release-6.0/docs/release-6.0.rst>
 - b. Tim will work on it.
 - c. Sora could use installation
5. George release CentOS 7.1 image (Release Candidate?) around Fri Nov 20th, similar to his infamous May 7th image @ <http://download.unleashkids.org/xsce/downloads/installer/experimental/>
6. Personal sync-ups
7. <yr item here>

Wedn 10AM EST (NYC TIME) Nov 11, 2015 - voice call

1. Personal sync-ups
2. IIAB distribution questions, and how to internationalize better for Spanish especially?
3. <yr item here>

Thur 10AM EST (NYC TIME) Nov 5, 2015 - voice call - BEWARE NOV 1 TIME CHANGE ACROSS MOST OF NORTH AMERICA!

1. Personal sync-ups
 - a. Anish
 - i. mostly working on map tiles and creating the offline HDD image (with a GUI - cinnamon). Have a 80G, i686, f22 based hdd image ~ 4.2G size. Still needs proper testing.
 - ii. Traveling between 5-11 november so might miss next week's call
2. XSCE 6.0 and IIAB-style content for Nicaragua, Central Am & DR/Carib
 - a. Background - recent DR launch <http://unacomputadorapornino.do> with announcement: <http://barrickbeyondborders.com/people/2015/11/barrick-launches-one-laptop-per-child-in-the-dominican-republic/>
 - b. CentOS 7.1 for rural deployments? Very plausibly yes, now that KA Lite 0.15 is working thanks to Tim's very hard work last week! (F22 for urban deployments if above KA Lite doesn't work during German's testing next week?)
 - c. Activation antitheft system requires 32-bit for now :/ 32-bit CentOS George has experimented with successfully: <https://wiki.centos.org/SpecialInterestGroup/AltArch/i386>
 - d. [XOVis](#) not currently working :/ Is this an issue with Sugar's Journal that can easily be fixed? Can Martin Dluhos elucidate? Background @ <http://www.slideshare.net/sverma/xovis-analyticsvisualizationsugarolpc-36184541>
 - e. Hardware goals: install XSCE on RPi 2 in 2016? George Hunt working on ongoing XSCE images upon Raspberry Pi.

- f. Admin Console downloads of additional Spanish content via Kiwix & other rendering/packaging/searchability tech?
- g. Pathagar and/or other methods like OwnCloud to republish/intercambio ~250 stories/books from around Nicaragua? Equivalently available in PDF / .xol (<https://drive.google.com/file/d/0B1jiKKk0vxEgaFBXTy1nNFRnc3c/view>) or Flash: http://issuu.com/portaleducativofztnicaragua/docs/libro_de_cuentos_fzt/19?e=19474235/30812354 Compare: automount of USB sticks (usbmount) copying to school server in future!
- h. Nicaragua meeting @ [Casa Nica](#) might be better deferred until after April, due to many of us having April time-conflicts, including Seattle's <http://linuxfestnorthwest.org/2016> Apr 23-24. Tony suggests Sept timeframe for Managua perhaps hopefully?! German confirms March-to-November can work-
- i. Follow-up Nicaragua call Thu Nov 19, 10AM EST.
- 3. 2020 IIAB deliberate dreams:
 - a. 2020 Vision
 - b. Physical distribution
 - c. Strengthening conscientious community contribution & invitationals/intercambio across countries/language!
- 4. Logo arising from Ethos...
- 5. Automount on reboot: is a solution in sight? Solved on F18, F22 and CentOS 7.1?
- 6. Maps:
 - a. Please review the tiles here - <http://home.braddock.com:28112/osm/slippymap.html>
 - i. Upto zoom level 6 it is natural earth data overlaid with text labels
 - ii. Between zoom levels 7 and 10, it is osmbright + hillshade + color relief generated from 30 arc second resolution SRTM data
 - iii. Above zoom level 11 and onwards, it is 1 arc second SRTM data.
 - b. Please comment on the style, like dark, light, colors, nature of labels etc.
- 7. Progress on hosting a conf in India next year. Generally hearing momentum and feeling out key ppl involved here. One possible location might be Delhi.
- 8. <yr item here>

Thur **10AM EDT Oct 29, 2015** - voice call

- 1. Personal sync-ups:
 - a. George back from the Sierra Mtns...geological change puts current environmental crises in perspective?
<http://nytimes.com/2015/10/25/opinion/sunday/my-dark-california-dream.html>
- 2. SD card content choices:
 - a. XO-1 on-board content, even if not a full server
 - b. XO-1.5 diversity/affordability/reliability
 - c. Comparative speed test?
- 3. XSCE 6.0 release imperatives (e.g. Nicaragua & others)
 - a. Hive off hedge-features to XSCE 6.1 in Q1 2016?
 - b. Focus: <http://tinyurl.com/xsce-six>
 - c. Context: <http://schoolserver.org/6.0> = http://wiki.laptop.org/go/XS_Community_Edition/6.0
- 4. Automount of USB drives by Tim Moody
 - a. Issue on reboot (fails to trigger for now...very problematic for schools!)
- 5. WordPress portal design choices:

- a. <http://nkeyestemplate.wordpress.com>
- b. <http://nkeyestemplate2.wordpress.com>
- c. <http://schoolserver.xsce.org/wordpress> ~= <http://schoolserver.xsce.org/wordpress/resources>
- 6. Are these new OpenStreetMap tiles good-looking enough, at different levels of zoom? Generated by Anish Mangal, with the help of Braddock Gaskill, RSVP!
 - a. <http://home.braddock.com:28112/osm/slippymap.html>
 - b. .tar file forthcoming, once further levels of zoom are generating beyond Level 11 here.
- 7. <yr item here>

Wed 10AM EDT Oct 21, 2015 - voice call

- 1. Personal sync-ups
- 2. XO-1 alignment
 - a. codec compatibility lessons for XO-1.75 & XO-4 client machines later too?
- 3. XO-1.5 server content budgeting:
 - a. 64GB imagery? Even if it will never match 128GB...
 - b. Duplication strategies?
- 4. XSCE 6.0 final approach:
 - a. Proposed US Thanksgiving (Nov 26) release date.
 - b. CentOS 7.1 on NUC install doc issues: <https://github.com/XSCE/xsce/blob/master/docs/INSTALL.rst#install-on-32bit-or-64bit-intel-machines>
 - c. Regression testing matrix?
 - d. New version of KA Lite 0.15 (includes Hindi) for F21+ and CentOS.
 - e. Should Linux-level passwords (randomly-generated initially) be stored in /root/.credentials directory?
 - i. What usernames & permissions are safe/appropriate?
 - ii. Can passwords be standardized during testing?
 - f. Ongoing security patches?
 - i. OpenVPN & TeamViewer considerations: default to OFF.
 - g. WordPress homepage option below (#5) even if 6.0's install default remains OFF.
 - h. Remaining Tasks for 6.0 Release: <http://tinyurl.com/xsce-six>
- 5. Natalie's prototype WordPress homepage (portal) layouts for IIAB:
 - a. <http://nkeyestemplate.wordpress.com>
 - b. <http://nkeyestemplate2.wordpress.com>
 - c. How to spur schools' personalizing this worldwide, with their own logo/crest and more?
- 6. OpenStreetMap (OSM) tile enhancements by Anish especially: <http://home.braddock.com:28112/>
 - a. Is current city search too slow?
 - b. Should new cities, renamed cities be added / upgraded?
 - c. If so, adding oceans, large seas & longest rivers searchable too?
 - d. Natural geographic features & provincial searchability? <http://lists.laptop.org/pipermail/server-devel/2015-October/007734.html>
 - e. Anish previews "Tinkerer to GIS gurus" strategies, moving Beyond Consumption, to proud grassroots mapmaking, from "use cases" to "creation cases..."
- 7. <yr item here>

Mon 11AM to 1PM EDT Oct 12, 2015 - voice call (deferred until later)

1. Personal sync-ups
2. Nicaragua IIAB content needs for rural/young (Grades 1-6) in Spanish, on XSCE 6.0
3. <yr item here>

Sun 10AM EDT Oct 11, 2015 - voice call, [XSCE OSM Design call](#)

1. [XSCE OSM Design document](#)
2. Toolchain
 - a. Tile generation
 - b. Tile serving
 - c. Packaging for deployment
3. Constraints
4. Features

Thu 10AM EDT Oct 8, 2015 - voice call preview of [Oct 10-12 Internet-in-a-Box SUMMIT](#)

- [see 2 live "10AM EDT" Oct 10-11 calls scheduled as part of Toronto schedule!](#)
- Website
- Maps
- Upgrade:
 - What should be the path from 5.5, 5.1 or older versions?
- Content-budgetting spreadsheets
 - Tim & George's for Small Storage:
<https://docs.google.com/spreadsheets/d/1t2XKa0apdNTCQ150rzhI9SqclEerxF2oFF5aWHskaos/edit>
 - Anish's:
https://docs.google.com/spreadsheets/d/13SA6Grzx70svt_8B4epxaDtbtElg0VImdcXXg-ft5I/edit
- Course created for India teachers to find+organize open/online content:
http://courses.metastudio.org/courses/NCERTX/OE-101/2014_T1/info

Thu 10AM EDT Oct 1, 2015 - ~~voice call~~ IRC meeting on #schoolserver (irc.freenode.net)

1. Personal sync-ups
 - a. Jerry
 - i. Feature request to handle time zones on the xo (looks straightforward). Needed as XO laptops used as school servers might move between TZs when carried around
 - b. George
 - i. XO4 starts to console (nice!!)
 - c. Anish
 - i. Feedback needed on website, <http://xsce.org> (everything running on dokuwiki now)
 - ii. Working on offline install image
 - iii. Content budget tool -
https://docs.google.com/spreadsheets/d/13SA6Grzx70svt_8B4epxaDtbtElg0VImdcXXg-ft5I/edit#gid=0
2. Release checklist
 - a. https://docs.google.com/spreadsheets/d/1n_pyezHHLV0dvEo0B1xbQDyPxi9KkaGzgrO6

[ZRXXkJo/edit#gid=0](#)

- b. Bugs : hostapd does not work in graphical.target
- c. f22 install kernel-firmware in prep
- 3. Haiti power assessment
- 4. <yr item here>

Thu 10AM EDT Sept 17, 2015 - voice call

- 1. Personal sync-ups
- 2. Nicaragua XSCE report by network/deployment engineer German Ruiz, with [Fundación Zamora Terán](#) (FZT).
 - a. German's [beautiful presentation](#) is here, slide deck anyway!
 - b. ~70 of 134 school in .NI are now using a [derivative of XSCE 5.1](#) whereas the other ~64 schools do not yet have Internet or school servers. All schools have a true 1-to-1 deployment, where kids in Grades 1 to 6 can take their laptops home. FZT collects the laptops during the school holiday every Nov-to-Jan each year for safekeeping and upgrades. XSCE is used primarily as an Internet gateway for now (squid, DNS, iptables, activation, activity updates).
 - c. Preliminary uses of XSCE in Costa Rica, Central American countries nearby, and DR soon too. Nicaragua deployment team might possibly use some efficiencies to deploy a standard image rapidly with JerryV and GeorgeH's techniques increasingly proven in 2015, since German himself has to travel to each school, with an assistant or two when possible. But overall team is just 12 people so configuration automation/mgmt efficiencies will help.
 - d. Some remote schools have electricity and connectivity challenges for sure, e.g. 34 schools and their 5,000 XO's on <https://es.wikipedia.org/wiki/Ometepe> Island in Nicaragua's famously large lake; also 10 schools on Corn Islands off Eastern coast. An English Creole is spoken by as many as 30,000 on the Eastern = Caribbean coast. Also [Miskito](#) is spoken in the north by as many as 200,000 people? See: https://en.wikipedia.org/wiki/Languages_of_Nicaragua
 - e. OpenDNS http://wiki.laptop.org/go/OS_Builder/Add_OpenDNS_Configuration works to avoid the worst web distractions, despite the OpenDNS company's increasing restrictions (limited to 26 schools, no new users being accepted) as a result of a DigitalOcean.com server set up to handle all XO's DNS, itself the single IP address contacting OpenDNS.com
 - f. Non XO's are blocked from using schools' very-limited 0.5-to-2 mbit/s lines by blocking MAC addresses of non-XO client devices as follows:
<https://raw.githubusercontent.com/germanrs/xsce/release-5.1-fzt/roles/gateway/templates/dhcp/dhcpd-xs.conf.j2> (FZT / Nicaragua uses a diversity of different XO laptops)
 - g. Puppet-style push-updates-to-servers-in-field is sought, perhaps using Ansible's pull-mode?
<http://www.stavros.io/posts/automated-large-scale-deployments-ansibles-pull-mo/>
 - h. Donated fanless hardware is wonderful (Nexcom NDiS 126-1V) compared to their painful breakages of HP/PC clones in earlier years! But pricy going forward! Currently around US\$450 prior to customs / import taxes. And possibly slow ([1.86GHz D2550 Atom](#)) when Internet-in-a-Box active content (searches, OpenStreetMap engine) begins to require CPU power in 2016? Should Intel NUC or RPi2 or XO laptops be considered in future?
 - i. Amazing [guesthouse Casa Nica](#) (in Masaya, 25KM SE of Managua) co-founded by Brit

hacker Elliot Cooper (currently setting up an RPi learning lab!) under consideration for 2016 XSCE/IIAB workshop/summit, run by <http://www.casa-nica.com/the-team>

- j. Free software event happening in Managua just this coming wk! <http://linuxtour.org/eventos/sfd-nicaragua-2015/>
 - k. Followup call will be 11AM EDT Mon Oct 12, to focus on XSCE 6.0, but also especially on content (Spanish materials for young/rural kids!) and possibly the 3rd Thur of each month after that...
3. <yr item here>

Thu 10AM EDT Sept 10, 2015 - voice call

1. Personal sync-ups
2. Comparing OLE's replication strategies in refugee camps, RPi2 and otherwise - Dogi Unterhauser
3. <yr item here>

Thu 10AM EDT Sept 3, 2015 - voice call

1. Personal sync-ups
2. Anish India updates - XSCE & ~1KM WiFi antenna 15dBi testing with existing/growing ThinkPad clients
3. George working on XO-1 videos
4. Jerry working on <https://copr.fedoraproject.org> compile scheme and Sugar
5. <yr item here>

Thu 10AM EDT Aug 27, 2015 - voice call

1. Personal sync-ups
 - a. Wordpress/DokuWiki options might be added here: http://wiki.laptop.org/go/XS_Community_Edition/FAQ#How_do_I_customize_my_school_server.27s_start_page.3F
 - b. Tim offline for Sept, preparing George/us with content mgmt tricks {RACHEL, KA Lite, etc}
 - c. George working hard on XO-1.5 and 128GB SD card.
 - d. Anish testing 15 dBi antenna (http://www.tp-link.com/en/products/details/cat-5063_TL-ANT2415D.html) and refining xsce.org
2. Mari (Haiti) asks for Khan Academy recommendations on XO-1 and/or similar low-end laptops?
3. Many FAQ improvements around rapid/offline install etc, but are our [Security Tips](#) up-to-date?
4. Toronto Summit Agenda Oct 10-11/12 coming together: http://wiki.laptop.org/go/XS_Community_Edition/7.0/Sprint
5. <yr item here>

Sat 12AM EDT Aug 22, 2015 - voice call

1. Personal sync-ups
 - a. Tim
 - i. added edit of host name
 - ii. problem of changes requiring reload of console
 - iii. portal html/php vs wordpress vs dokuwiki

- b. George
 - i. XO-1.5 image -- current master /w NTFS partition -- add permissions in fstab
 - ii. network testing vs XO-1.5 focus (preference for early network code stability) -- USB adapter renaming, dongle mixup breaks wan/iptables
 - iii. need help with olpc-dm startup on cloned SD -- .Xauthority missing
 - iv. giving up on green ears; Jerry to try
 - c. Jerry
 - i. new openvpn works
 - ii. George: docs outstanding
 - iii. IPs are not fixed, but from round robin pool of 128
 - iv.
- 2. Networking status
- 3. Target: XO-1.5 release vs general 6.0?
- 4. Where should each of us be focused?
- 5. XO-1.5 wifi AP mode -- status?
- 6. Swap? file vs partition (on SD card)?
- 7. Future of liveCD install?
- 8. Open PRs
- 9. whither local_vars?
- 10. <yr item here>

Thu 10AM EDT Aug 20, 2015 - voice call

- 1. Personal sync-ups
 - a. Anish may not be able to attend due to 2 sites' deployment work in (and near) Kumaon mountains, India.
 - b. Jérôme
 - i. Full "local" stack with Tilestache seems to work well
 - ii. Canada took 36h to generate (51 GB for 16 levels = levels 0-to-15), with all layers included
 - iii. Exploring various options with Amazon Cloud (S3 storage is 2.4c/GB/mo "Reduced Redundancy" or 1c/GB/mo "Glacier" if restores are less than 5% etc)
 - c. George on RPi2 with Alex Kleider (128GB SD card, F21, etc) for Madagascar
 - i. networking testing nervousness!
 - ii. test coverage for TeamViewer
 - d. Tim
 - i. webm videos appear not to be working on 13.2.4 / 13.2.5 (confusing!)
 - ii. improving appearance of admin console
- 2. Is <https://corysohrakoff.wordpress.com/2011/09/13/enabling-wifi-ap-mode-on-a-gumstix-overo/> the best strategy towards getting XO-1.5 ears to act as a WiFi AP?
- 3. Learning from the many field requests for bureaucracy-free custom/local content (LibraryBox 2.1 complaint, IAB field tests, universal complaint from XO community deployments after losing a priceless tool like http://wiki.laptop.org/go/Customization_stick) what's the best format of SD card to accommodate a small or medium or large [exFAT/NTFS partition \(simple folder\)](#) for near-instant display of that country/village's favorite materials?
 - a. much progress made in partitioning discussion, while Jerry's input needed on swap file vs swap partition etc
- 4. FAQ Improving:

- a. What's "most missing" (or just plain wrong!) in http://wiki.laptop.org/go/XS_Community_Edition/FAQ ?
- b. http://wiki.laptop.org/go/XS_Community_Edition/FAQ#Where_security_tips_exist.3F points to http://wiki.laptop.org/go/XS_Community_Edition/Security which suggests "yum install yum-security" but does this really work? Is "No package yum-security available." a true error message, or is yum-security already installed within CentOS 7.1 ?
5. [XSCE 6.0](#) Road Map tuning? [Checkpoints](#)' refinements?
 - a. Jerry's NUC components all arrived - if important testing required in coming weeks?
6. Oct 10-12/13 Toronto summit/sprint preferences, focused on Internet-in-a-Box evolving upwards and onwards! Including travel options/themes etc:
http://wiki.laptop.org/go/XS_Community_Edition/7.0/Sprint
7. Anish's installation of [ZNC](#) making live community far easier. Please ask Adam or Anish for an account if that makes your life easier too..than <http://webchat.freenode.net> (channel #schoolserver)
8. <yr item here>

Sat 11AM EDT Aug 15, 2015 - voice call

1. Personal sync-ups
 - a. Tim
 - i. Credits
 - ii. XSCE Install UX: console vs command line
 - iii. xsce NUC upgrade - Destin for what Haitian Creole ?
 - iv. docker temptations..instead of vbox
 - b. Jerry/Holt
 - i. Rochester Fedora conf recap: <http://flocktofedora.org> = <http://flock2015.sched.org>
 - ii. <http://cockpit-project.org> admin console? Works with CentOS! (restoring 686/32bit)
 - iii. <http://fedoramagazine.org/tag/rolekit/> simplified future competition w/ Ansible?
 - c. Anish
 - i. Question about wireless networking - Ubiquiti PicoStation over 200 meters?
 1. WiFry over 1KM, homebrew Tim recommends?
 - ii. Website / Wiki (release roadmap) / Documentation
 1. Something that shows the constraints of various XSCE setups.
 2. Especially the things that **didn't** work
2. Improving collaboration with Switzerland/Germany/Mali-based <http://Kiwix.org> !
3. <yr item here>

Saturday 8AM EDT Aug 8, 2015 - voice call - Kiwix.org founder/lead dev Emmanuel Engelhart

1. Kiwix/Zim Overview if needed
2. Kiwix direction and ongoing development for upcoming 18 months:
 - a. mobile track (iOS, 30,000 medic articles for Android, etc)
 - b. zim format itself: how to improve? (integrating search stuff within file itself, incremental updates to zim files, how URL's are stored in file)
 - i. "we still create most of the zim's, tho we'd prefer to be a SW provider in future, rather than being a publisher/monopoly: need more community publishing and creating SW tools / middleware to support these folks!"

- c. geo! maps!
 - d. software very mature after 10 years, deployment support / middleware a focus now!!
- 3. Integration with XSCE
 - a. Kiwix installed with ansible
 - b. Kiwix-serve run with systemd
 - c. Individual zims accessed from menu to kiwix server on own port
 - d. Zim picker in admin console
- 4. XSCE/IIAB Console Screenshots!
 - a. <http://ibin.co/2BDiyiJ9rAxS> (1.MainMenu.png)
 - b. <http://ibin.co/2BDjTw3m4xB1> (2.InstallKiwix.png)
 - c. <http://ibin.co/2BDjfne5Yx0h> (3.SelectLang.png)
 - d. <http://ibin.co/2BDjumo44V31> (4.SelectLangAll.png)
 - e. <http://ibin.co/2BDkGKTWvR0K> (5.JobStat.png)
 - f. Others coming soon, thanks to <http://imagebin.ca>
- 5. What SD Card file format (ubiquitous exFAT or similar?) can best enhance offline-content exchange, enabling cultural exchanges & de facto mobile libraries within low-bandwidth countries where SneakerNet remains dominant?
- 6. Tim's Wish List to review the emerging possibilities, to improve X
 - a. Separate data from code in zips
 - b. No need to zip zim file - library.xml will disappear on local store after a year or so
 - c. Naming conventions for files across portable and zim directories
 - d. Meta data for category: TED, wiki, wiktionary, etc. (incremental causes bigger files / appends, CPU vs disk usage issues: 2 or 3 diff kinds of incremental updates may be needed!)
 - e. Meta data to relate different releases of a particular data source, like Full Eng Wiki with Pix
 - f. Possible help with proxying kiwix serve on apache?
 - g. Possible access to meta data editor?
 - h. Combined searching of multiple zim indexes. ("Iris" global search coming, fast, but UX issues remain when content of very diff kinds appear alongside)
- 7. Existing scrapers, new scrapers, all need maintenance!
 - a. Wikimedia
 - b. Youtube by user or channel
 - c. Gutenberg - we could fix: <https://github.com/kiwix/gutenberg/issues>
 - d. TED
 - e. khan feature request (use KA Lite instead, has download mechanism, but they themselves seem to possibly want better scraper?)
- 8. <http://download.kiwix.org/zim>
- 9. Need for store, to distribute USB sticks internationally to as many countries as possible.
- 10. Followup call mid-Sept, Emmanuel has other topics to cover! (Likewise Oct 10-12 during our small conference in Toronto, a live presentation would be absolutely wonderful)
- 11. <yr item here>

Thur 10AM EDT Aug 6, 2015 - voice call

- 1. Personal sync-ups:
 - a. Anish
 - i. all could benefit from an irc server agent: pip? xchat clients?

- ii. NUC CentOS testing
 - iii. repo for India content (static & dynamic experiments? supported by govt!)
 - iv. many deployments forthcoming?! Rajasthan?
 - v. maps!
- b. George
 - i. Created a new Amazon instance (easily restored if hacked) which publishes the vpn ip address and identity/handle (similar to the one we use for haiti -- does not cost \$10/yr per client). stats from munin/solar/etc uploaded? not yet!
 - ii. exFAT partition (/library) is usable on MAC (maybe also PC) if linux partitions are "hidden".
 - iii. On vacation next week!
- c. JeromeGV
 - i. Tested the MBtiles architecture
 - 1. Imported Nepal OSM file to Postgres with osm2pgsql
 - 2. Generated Nepal MBtiles with TileMill from Postgres
 - a. Took 15min at metatile size 8x8 for zoom 0-15, 1GB in size
 - 3. Served MBtiles with TileStream (node.js) and showed it on a map with Leaflet
 - 4. Was able to merge multiple MBtiles (different zoom level) together
 - 5. Want to test serving Mbtiles with TileStache, might be better for serving multiple MBtiles / more maintained
- d. TonyA - Gigabyte server problems!
- 2. Winnipeg [NUC5i3RYK's 250GB SSD](#) ordering finalized? USB HDD drive in the interim? Flock to [Rochester Fedora conference!](#)
- 3. Toronto order finalizing for Jerome? (\$50 PNY 128GB SD + \$10 TP-LINK TL-WN725N) Hold at Tim's for now.
- 4. NUC + XO-1.5 going excellently to ship to UPenn and/or Uganda, but final QA ongoing with George/Holt
 - a. Atheros WiFi cards have been very hit-or-miss (within NUC). We've evolved from Ar9485 Ar5b125 (\$8) to AR5BHB92 AR9280 (\$12, less HW failures) but final debugging remains.
 - b. TeamViewer works great on XO-1.5 but does not autostart
 - i. RAM implications later?
 - ii. Tim & Jerry's design questions: ansible playbook and/or removal for those who want a lightweight/faster machine? How to automate "gui" or "startx" runlevel so that Gnome autostarts TeamViewer "unattended access" every time?
 - iii. OpenVPN farm choices @ [unleashkids.org](#) | AWS? already decided -AWS -gh
 - c. TP-LINK TL-WN725N (or XO-1.5's ears themselves) are the goal to create an AP, but getting one or the other working's very hard work.
- 5. Does an exFAT vision make sense, to create a "Bootleg Culture" of distributed SD card curation workable across the developing world's Windows/Mac/etc machines? (Given exFAT is in fact the industry standard for all modern SD cards, and much faster than NTFS/ext4, "putting the sneaker back into SneakerNet" ?)
 - a. Will exFAT SD cards be cleanly modifiable on Windows XP/7/8/10, Macs etc, without too often damaging SD card's 2 small ext4 partitions use to boot the XO?
 - b. Does exFAT's lack of UNIX-style usernames/permissions cause serious trouble?
 - c. Does exFAT's lack of a journaling filesystem excessively damage the uptime/reliability/cultural survival requirements of the world's poorest?
- 6. Countries / Implementations:

- a. Arabic keyboard progress for Egypt/etc: Tim / Khaled next steps thanks to Lionel Laske?
 - b. North India results?
 - c. Kenya / Lewa Wildlife Conservancy's digital literacy requirements? Simon Mwangangi's 31 schools piloting Sept?
 - d. Destin Silver's progress for Sora/Haiti school servers: Can't Ping Unless Root?
 - i. Haiti Upkeep (competition between sites works ;)
 - e. olpc.[mal]aysia?
 - f. Uganda decision time?
 - g. Fiji client/codec choices?
 - h. Ghana new school year planning?
 - i. Chinese content progress?
7. Jerome reaching out to Digital Democracy's George MacLennan re: OSM Lite (<http://www.knightfoundation.org/grants/201551227/>) as compared to his own architecture for Offline OSM ?
- a. Details on OSM-Lite on their blog: <http://www.digital-democracy.org/blog/open-maps-for-everyone/>
 - b. More focused on the collaborative part of editing maps offline (which is something we wanted to hit a bit later)
8. Kiwix's lead developer Emmanuel Engelhart (Kelson42) in touch on irc (#schoolserver on irc.freenode.net) what are our needs? Schedule wkld phone call per his request? (France/Switzerland time) CONFIRMED: ~~10AM 9:30AM~~ 8AM EDT Sat Aug 8.
9. [XSCE 6.0](#) Testing Priorities
- a. NUC, XO-1.5, XO-4, RPi?
10. [XSCE/IIAB 7.0 Sprint/Summit Proposal](#) for Oct 10-12 in Toronto.
11. <yr item here>

Thur **10AM EDT July 30, 2015** - voice call

- 1. Personal sync-ups
 - a. George -- reworking openvpn to be free on unleashkids -- needs to scale, starting testing:
 - i. XO1.5
 - ii. XO4
 - iii. NUC -- Centos only
 - b. Tim -- Arabic keyboard progress for Egypt etc?
- 2. 128GB and/or 256GB SD card discussion
- 3. <yr item here>

Thur **10AM EDT July 23, 2015** - voice call

- 1. Personal sync-ups
- 2. XSCE 5.5 as XSCE 6.0 August?
- 3. Attendance @ Rochester, NY's Fedora conference Aug 12-15's <https://flock2015.sched.org>
- 4. Uganda system prep, as a progression to operationalizing adoption vectors
- 5. Haiti evolution across so many schools: can capital city coordination amp up all?
- 6. <yr item here>

Thur **10AM EDT July 16, 2015** - voice call

- 1. Personal sync-ups

2. OSM architecture discussion, based on Jerome's careful research and proposed design: <https://docs.google.com/document/d/1LW5N-cPH3lvMuXS-f0Tk8lWVh-3X808Wolt00J-QNt8> (see especially "Proposed MbTiles solution" halfway thru 7-page document)
3. July 28 Demo choices - XO-1.5 and i3 NUC
4. PA Demos
5. Arabic progress for XSCE/IIAB to XO-4s in Egypt?
6. Discourse, Social Help, Sugar 0.106 [ambitions](#)
7. Netgear replacement: short-term and medium-term strategies?
8. XSCE 5.5 release evolution
9. Back to 7AM next week Thur July 23?
10. <yr item here>

(several of us away traveling Thur July 9th)

Wedn 7AM EDT July 1, 2015 - voice call

1. Personal sync-ups:
2. Tim: DB corruption in Ghana (SQLite)
 - a. yes fixed for now, but why didn't applying log(s) fix problem?
 - b. implementing more prominent Power-Off and Reboot buttons within web's "Admin Console"
3. George:
 - a. tried to get LiveCD installing on HDD (anaconda)
 - b. Jerry Vonau expert!
 - c. CentOS vs Fedora or both for next release ([XSCE 5.5](#) "Aug 15")
4. Jerome: meeting Tim this coming wknd re: OpenStreetMap on IIAB/XSCE
5. Tony:
 - a. GSoC mod of Browse Activity? To accompany tutorials?
 - b. Others building Sugar activity like Turtle Confusion?
 - c. XSCE Summit/Sprint Oct 10-13 in Toronto
 - d. George's image that Tony received in Malaysia will get the job done (32/64bit issue, MediaWiki, local school can have own MediaWiki; Wiktionary alongside ~ symbolic link needed)
6. James:
 - a. On XO-1 resource limits, 13.2.4 swap feature allows every activity to be started, and the current activity still runs fine. Australia had a patch that closed activities on opening new ones, if you need it, ask Martin/Gonzalo about getting it into Sugar,
 - b. Sugar 0.105.3 released; 0.106 to be released within the week, please test,
 - c. Sugar/LiveCD on Ubuntu progress, see <http://wiki.sugarlabs.org/go/Ubuntu>
 - d. releases across XO-1, XO-1.5, XO-1.75, XO-4 takes many resources to test,
 - e. http://wiki.laptop.org/go/OS_Builder expertise vs signed/custom builds.
7. Holt:
 - a. Ghana implementation coming along very solidly across 3+1 i3 NUC's (4 schools/library/dorm) : <http://technologyforghana.weebly.com>
 - b. late July in Toronto
 - c. [XSCE/IIAB Summit/Sprint](#) Oct 10-13 in Toronto: http://wiki.laptop.org/go/XS_Community_Edition/6.0/Sprint
 - d. how to qualify reliability of 64GB / 128GB SD cards

8. Anish:
 - a. 120-school group met, in India state of Rajasthan (sp?) -- very promising meeting
 - b. will experiment with XSCE on HDD image later this year in a few schools initially
 - c. George asks if Clonezilla relevant?
 - d. headed to Pin Valley in Himalayas, so offline much of the the 1st half of July?
9. <yr item here>

Thur **10AM EDT Jun 25, 2015** - voice call

1. Personal sync-ups:
 - a. TK @ <http://2015.opensource.hk> but mentions [\\$149 Haier Chromebook 11](#) for schools
 - b. Tim: progress on RACHEL (back-end) then front-end soon.
 - c. GH anaconda/kickstart install woes as XSCE install method. (for CentOS + F22 images on LiveCD / LiveUSB). Benefit over TinyCore approach is 3-4hrs saved (prep'ing each time).
2. OpenSearchServer: respond to Jerome's question further below?
3. XSCE on XO-1.5+ issues?
4. Fields Afar:
 - a. Ghana successes/status
 - b. Haiti successes/struggles/status
 - c. Language issues similar to [Arabic request in Egypt?](#)
5. Time certain/future calls so Jerome/Emily can attend more easily?
 - a. Anish quite ~~busy~~ offline for much of the coming 3 weeks
6. <yr quickie update>

Thur **10AM EDT Jun 18, 2015** - voice call

1. Personal sync-ups: <yr quickie update>
 - a. Anish -- see PRs below
 - b. George -- XO-1 and XO-1.5 kernel 4.1, FC22, report
 - c. TK --
2. PRs - yes or no (George working on, will post far to unleashkids)
 - a. DokuWiki - OK
 - b. OpenSearchServer - hold for now: OpenSearchServer only runs on Intel and has limited abilities to search across our diff content? (experiment with elastic search?)
 - c. Whitelist / Permitted URLs - OK
 - d. Pathagar - OK
3. OSM a week later
 - a. Anish progress report: testing for Nepal (fast for now! won't be for planet...!)
 - b. Jerome looking into search: Photon?
 - c. Meet Thur in 1 week!
4. Deployments
 - a. Gahanna to Ghana: Khan Academy MP4 videos now playable on XO-4 (and XO-1.5, and XO-1.75 too presumably) thanks to a couple more rpm's!
<http://lists.sugarlabs.org/archive/sugar-devel/2015-June/thread.html#50390>
 - b. Lascabobas, Haiti: electrical issues with low-end NUC's requiring 12V +/- 10% (instead of usual 12-19V tolerated by most NUC's), port 8120 issues w stats/Harvest server / AWS?
5. State of the Platforms

- a. NUC - F22, CentOS
- b. XO-1.5 -- 4.1 kernel yes, OS Builder progress but no camera, AP tough issues? (driver/module not loading)
- c. RPi 2, even if official case (<https://www.raspberrypi.org/raspberry-pi-official-case/>) has too many holes?
- 6. Code freeze -- What remains unfinished?
 - a. AWStats.org ? (George)
 - b. Console visual feedback / graying out buttons / stability? (Tim)
 - c. RACHEL into this release? (Tim)
 - d. usbmount approach?? (Tony)
- 7. Canadian Thanksgiving Summit!
 - a. Oct 10-12 in Toronto, bonus day Tuesday Oct 13th?
 - b. Let's try to raise money to fly Jerry from Winnipeg!
- 8. Netherlands Education Analytics Workshop MOVED to Nov 18/19th with 20th recommended too:
 - a. <http://worldwidesemanticweb.org/events/making-sense-of-education-indicators/>
- 9. Misc - fwiw, created a tinyurl for this doc - <http://tinyurl.com/xsceminutes>

Thur 10AM EDT Jun 11, 2015 - voice call - Offline OpenStreetMap DESIGN Call!

- 1. Personal sync-ups: <yr quickie update>
- 2. [Open invite](#) to review different offline OpenStreetMap Infra/Designs:
 - a. Thank You Nick/Anish for inviting OSM devs/contributors like Jerome Gagnon-Voyer etc.
- 3. Ghana preflight checklist
- 4. boot menu?
- 5. *(Am just writing down some thoughts on the OSM portion, feel free to edit/add/delete) - Anish;*
Tim added a few items
 - a. Created a design document (Anish)
 - <https://docs.google.com/document/d/1LWsN-cPH3lvMuXS-f0Tk8lWVh-3X808Wolt00J-QNt8/edit#>
 - b. OSM Overview
 - c. Design goals
 - i. Architecture: backend python vs front end javascript
 - ii. Performance requirements (Rpi to NUCs to x86_64 desktops/servers)
 - iii. Storage (A portion of 128 GB SD card to 2TB HDD)
 - iv. Variable zoom levels by deployment and by region
 - v. Multiple languages and fonts for non-Roman characters
 - vi. Offline access
 - 1. as an extension .. downloadable to any client devices through apps
 - vii. Editable - to what extent (pointers, markers --> actual map editing)
 - viii. Searchable (*see proposals down below...*)
 - ix. Prerendering
 - x. Distribution of tiles/data
 - xi. Sync with some (OSM?) server when available?
 - d. Development
 - i. Prototype
 - e. Maintenance requirements
 - i. Current OSM offline maps generation process is very time consuming. What are better approaches?

- ii.
- f. Space for proposals?
 - i. <http://www.openstreetmap.org/user/SimonPoole/diary/34857> (as put up by an OSM community member simonpoole after a conversation on IRC)
 - ii. Mapsforge (they seem to have files for individual continents/countries, but not the entire world - perf issues?)
 - iii. Searching -> Whoosh vs <http://wiki.openstreetmap.org/wiki/Nominatim> vs photon
- g. fwiw, I'm making an offline dump of rendered MapQuest tiles - Have zoom levels 1-9 (goes upto 20) and size is roughly 3GB as of now
- 6. <yr item here>

Thur 10AM EDT Jun 4, 2015 - voice call

1. Personal sync-ups: <yr quickie update>
 - T.K. Kang: Testing the latest Chamilo & Moodle 2.9 on top of a XSCE
 - Both work well with XO. Chamilo use icons for navigation and has social-network elements by default (chat, ims, sharing). It may appeal to younger children more. Moodle 2.9 has long history/support/addons and user navigation is mainly text based. I like BOTH and will deploy according to needs of deployment. Nice if moodle 2.9 can replace the current 1.9 moodle that is tightly integrated with XO registration and management. (unavailable for teleconferencing today)
2. Tim spent most of a week downloading/uploading almost-7000 (172-173GB) KA Lite videos to dropbox. Anish has over-4000 (~92GB) uploaded separately as well.
3. Fiji?
4. <yr item here>

Wedn 10AM EDT May 27, 2015 - voice call

ONE DAY AHEAD OF NORMAL!

1. Personal sync-ups: <yr quickie update>
2. Many thank-yous for George's new "offline install" prototype which Just Works, everyone keeps saying. In particular most ppl are using "centos_150507.img" (2.4GB) from: <http://download.unleashkids.org/xsce/downloads/installer/experimental/>
3. Fedora 22 QA report from Tom Gilliard, Done!
4. F21 / F22 USB names changing on each diff physical USB port? George & TomG struggling trying to get consistent naming. TimM & AnishM advising.
5. Emerging XSCE/IIAB successes in Rwanda -- balancing strategic needs of elementary and high schools? Tony Anderson provides much critical context at all levels.
6. DocuWiki evolution thanks to Anish.
7. OpenStreetMap planning for Nick Doiron arriving @ UN / NYC's <http://stateofthemap.us> -- Anish will send schedule, as generation of OSM tiles (for IIAB2 etc) progresses in coming weeks.
8. Tim struggling with KA Lite 0.13 ..no more "expect" file ..poorly documented: 0.14 and 0.15 forthcoming / pre-announced: splitting out diff platforms for Win/Mac/Linux.
9. TK's [Docker](#) container discussion: will this enhance usability among schools locked into Windows? "97% efficiency" much better than a VirtualBox. But multiple DB's and web servers is a problem. Multiple instances risk. There is a Future here...for some.
10. Ghana Prep: three new i3 NUC's! Auto-booting NUC's via Intel BIOS might or might not be possible, yet? Yes, it has "Wake-on-Power-Failure" ! Boot-on-LAN? Wake-on-LAN? AP must stay on, but DHCP works when powered down over sufficiently long lease? (All services remain in frozen state when in "suspend")

11. Columbia Univ Team Plan, Thurs w/ Emilia/Nick? (Time reaching out.) Focus: Offline installs & GUI?
12. Nepal!? RabiK in Boston. Physically meeting more of us (XSCE/IIAB professional volunteers & contributors of all kind) around Seattle and/or Canada Oct timeframe?!
13. Long overdue North American IIAB/XSCE Autumn 2015 meetup would be just prior to [Education Indicators Workshop](#) in Amsterdam Nov 5-6, itself just prior Malaysia Basecamp (Summit Nov ~15-16) [bringing together deployment communities especially](#).
14. Fascinating related "[LMS & Metrics](#)" debate evolving on mailing list!
15. "Stable" versus "Master" was release in preparation for Fiji. How does this affect Release [\(Re\)Scheduling](#) of [XSCE 5.5](#) ?
16. Don't say [cancer](#). Updates from several true [unsung heroes](#) who've upheld us over MANY years.
17. <yr item here>

Thur **10AM EDT May 21, 2015** - voice call

1. Personal sync-ups: <yr quickie update>
2. CentOS "7.1" successes emerging:
 - a. Works great; ongoing lessons learned?
 - b. Who will test ejabberd-and-similar collaboration on XO's etc, of the many now using this?
 - c. [CentOS on ARM](#) becoming much more real, at last: now testable.
 - d. What best practices are emerging around applying security updates at what frequency? COMPARE: [auto-updating Fedora 22](#) using dnf replacing yum.
3. Serious XSCE Design Issues:
 - a. Network names (USB-to-Ethernet dongles especially) are changing too much -- can we bring back sane+consistent "eth0" "eth1" or similar naming and how? (learning from Rwanda experience, where Internet passthru failed likely due to operator plugging dongle into wrong port etc)
 - b. Upstream / Visual access to XSCE often needed, can safe+sensible portal/content access be provided without overly bureaucratizing non-Linux users? Many use cases like Axim Girls Senior High School?
 - c. TeamViewer is bandwidth-intensive, but solves (some/many) classes of similar social bootstrapping issues at the center of our mission = education = empowerment = mentoring. Whether paid or "in-family" diaspora/church/servive learner training & remote support.
4. [So you want to build a HW company, and you're a SW engineer...](#) (part 4 of 6-part series, so relevant & entertaining too!)
5. Ghana June Deliverables:
 - a. Unifying 3 or 4 servers/content so "community commodity" is real not rhetoric.
 - b. CentOS "7.1" sufficient given XO's are (generally) not the priority, but testing now required to understand limits of ejabberd etc.
 - c. Internal-to-NUC WiFi AP plausible or not: external 841N works, but spaghetti wiring adds MANY support costs. (R+D Tradeoff: Internal-to-XO WiFi AP is far more urgently needed, IF it's attainable!)
 - d. Advance support strategy: Netgear MBR1210 unfortunately rose in price -- is this still the best approach with OpenVPN and/or TeamViewer? How best to power Netgear long-term using 220-240V grid power? (Is it as simple as: which \$30-50 "wall transformers" do we trust?)
 - e. Streamlining Adoption Curve - custom naming, content/language & replaceable parts -

supplementing 3c above:

- i. what pre-flight checklists will best bring coherence to spec/ship/train/support?
 - ii. what tight instruction sheets will bring independence to in-country admin? (EG if a dongle dies, as has happened, is in-field execution of “runansible” even possible? Unlikely in many cases!)
6. Along the lines of [XOVis \(description\)](#) Tim thinking web stats should be part of XSCE. There seem to be two main candidates [AWStats and Piwik](#):
- a. Tim leans towards Piwik, partly to avoid PERL.
 - b. George prefers AWStats for these reasons b/c of 2-3 reasons below. Does Piwik require injection of javascript tag into each web page that is to be tracked? (Tim suspects tags are supported, but not required).
 - c. Piwik is a zip download, and AWStats is a package that is part of Fedora and CentOS repo system.
 - d. We need to avoid Support Gridlock, eg. answering future questions from web page designers we have yet to meet about why there are no statistics about their pages (“when we forgot to tell them to put the tags in each of their pages”).
7. <yr item here>

Thur **10AM EDT May 7, 2015** - voice call

1. Personal sync-ups: <yr quickie update>
2. [Kano.me discussion](#) begun by TK Kang:
 - a. Does Kano offer better supportive context/vids & View Source experiences than Sugar, making the “low floor, high ceiling” rhetoric real? Old vid: <https://youtu.be/d56C15RdSik>
 - b. Will a screen and other more school-ready packaging options arrive later? (It's [already here](#) :-)
 - c. Where will this [latest \\$15M](#) be invested and what will we all learn?
Kano is also setting aside 1 percent of the company's equity for its non-profit Kano Academy.
3. New unannounced [Ubuntu LTS initiative](#) by OLPC?
 - a. Thoughtful debate above between CentOS “7.1” and Fedora 22/23 (etc) as “2020 Vision” base for XO laptops OS, to protect against Heartbleed, [Shellshock](#) etc within current Fedora 18 -- if Sam Greenfeld's [Community XO OS's](#) or similar work can help?
 - b. [Modern codec-ready browser](#) increasingly required by all too.
 - c. Peter Robinson's warnings that CentOS may not be viable on XO-1s (or any XOs) if it leads to DevOps burnout: <http://en.wikipedia.org/wiki/DevOps>
4. Similar choice among underlying OS's for XSCE:
 - a. Fedora's security vulnerabilities increasingly unacceptable for online 3G-in-3rd-World systems, with [support end-of-life'd](#) within far less than a year (after XSCE's formal announcement).
 - b. Strong XSCE progress on CentOS “7.1” for Fuji's Xeon servers, Thanks to George.
 - c. XSCE on CentOS “7.1” also now shipping to UPenn/Rwanda.
5. Solar/school possibilities in Haiti as example:
 - a. Another example of one-off's versus community commodities that grow a movement!
 - b. Store of community commodities as core to genuine sustainability?
6. Content Libraries [in Spanish](#)
7. <yr item here>

Thur 10AM EDT Apr 30, 2015 - voice call

1. Personal sync-ups: <yr quickie update>
2. Anish reporting by phone from N India
 - a. new India group: roll school server live .iso images focusing on software
 - b. NOT focusing on hardware initially
 - c. early days, but strong potential connection, incl content people!
3. <yr item here>

Thur 10AM EDT Apr 23, 2015 - voice call

1. Personal sync-ups: <yr quickie update>
2. Fiji progress going strong?
 - a. content issues for 1st week of May?
 - b. replication to other ~75 servers how?
 - c. lessons learned so wider world is independent, with crisp documentation?
3. OLPC/Sugar/Learning Analytics conf to be announced soon in Amsterdam Nov 3-6 roughly, by Christophe Gueret etc.
4. India update
 - a. Chaukori deployment in North
 - b. great market for used rehab'd ThinkPads (in big India cities)
 - c. hostapd issues ongoing?
 - d. KA Lite MP4 Anish uploaded here: <http://125.23.112.4> (almost 100 GB's)
<http://125.23.112.4/kalite-content/> to grab individual MP4's
 - e. <http://spoken-tutorial.org> spoken tutorials on open source / linux, in English, Nepali & India languages especially! <http://spoken-tutorial.org/cdcontent/>
5. CentOS 7 most similar to Fedora 19 -- many upcoming OS issues:
 - a. Should Fiji likely use CentOS for security, as George & Anish vote?
 - b. Fedora 22 being released "later May" affects our release cycle & many others later year?
6. DocuWiki as XSCE/IIAB portal-prettyfying KMS not CMS or LMS?
7. <yr item here>

Thur 10AM EDT Apr 17, 2015 - voice call DELAYED 24 HRS - MEETING FRIDAY FOR THIS WEEK

1. Personal sync-ups: <yr quickie update>
2. UPenn & Rwanda updates, just amazing! Thanks to Dean [Joseph Sun](#) with ~30yrs experience in ICT4E/D.
3. Codec Wars getting KA Lite onto "all" XO's: Tim fighting heroically -- conclusions emerging???
 - a. Where do TK & others obtain <https://wiki.sugarlabs.org/go/Dextrose/3>
 - b. Inventory/distribution strategy?
 - c. ZIM/KA Lite-style strategy of pulling-from-Internet-on-demand?
 - d. Shippable HDD / USB stick pull too?
4. Napster-style quasi-offline sync'ing network for the best educational open content?
5. Professional Volunteer task-tracking system, no matter more manual?
 - a. What's the highest priority documentation of our existing work?
6. <yr item here>

Thur 10AM EDT Apr 9, 2015 - voice call

1. Personal sync-ups: <yr quickie update>
2. Anish in N India (Himalayas) installing school server & other India work
3. TK reviews olpc.asia's Sichuan deployment
4. Rwanda updates: much progress via <http://www.rwandagirlsinitiative.org/ggast> and hard work by Tony Anderson & Rwanda Education Bureau etc: <http://www.reb.rw/index.php?id=149&L=0>
<http://elearning.reb.rw>
5. Kiwix solid, ZIM files (not yet incremental files, but software to input to Kiwix) & KA Lite issues, downloading video repos -- Tim (French videos) & Anish (English videos) both working on this -- many, many hours. Rehost trees where? How customizable for small/medium deployments moving fast?
6. New IAB snapshot in Curt Thompson's hands? BERNIE w/ Sierra Leone's Hakeem too?
7. 128GB SD card formatting issues: SanDisk Class 10? (\$26 from eBay?) New approach: 2 partitions. [64GB SD](#) ordered for same-day delivery to George as a safety / backup.
8. Fiji/Ghana/Haiti evolving fast...
9. <yr item here>

Thur 10AM EDT Apr 2, 2015 - voice call

1. Personal sync-ups: <yr quickie update>
2. Lionel Laské in Paris will explain his recommendations for the best ways to integrate <http://Sugarizer.org> into XSCE:
 - a. Apache (if used without presence/collaboration) plus... [just unzip onto Apache 2.x]
 - b. Node.js/MongoDB (if used with presence/collaboration): [just a bit trickier]
 - i. 6 steps to [run your own Sugarizer Server](#)
 1. Not yet tested on Fedora / CentOS (but above prereqs make it simple!)
 2. Nick Doiron was going to write a playbook towards install Node.js & MongoDB since he already uses those on XSCE in Haiti.
 3. Can directly structures depicted in above 6 steps be modified for Fedora/CentOS XSCE where /library typically largest directory & partition? How much work? (Sugarizer requires TWO web servers: (a) html/javascript (b) Node.js part)
 - ii. Backup of MongoDB? (Servers fail too). Probably possible with MongoDB admin features. Else JSON files easy to export/import anywhere...
 - c. [Survive April 12](#)
 - d. Coming very soon (April 2015) version of [Sugarizer v0.6](#) -- *across a much increasing number of platforms*:
 - i. Chrome OS is supported natively (if u use Chrome OS, try it from Chrome Web Store)
 - ii. Network View -- users on same server, to share activities etc
 - iii. Works on MANY platforms, far beyond just the usual: FirefoxOS, Chromium on RPi 2, iOS support -- not yet permitted on Apple Store, but hopefully soon
 - iv. PREVIEWS @ <http://facebook.com/lionel.olpcfrance>
 - e. Principles: as simple as possible! Unzip & deploy on yr server!
 - i. Both local journal & shared journal (on MongoDB)
 - ii. API to share activities? Based on Web Sockets (http) facilitated by server. User can choose via popup menu, whether to backup to "private zone on server" or to copy into "shared zone" (in both case, stored on server). ASIDE ON FAULT-TOLERANCE: Journaling filesystem can now recover far better than 20

yrs ago, but are missing databases atomic commits (multi-table, multi-row).
 Mongo does have transaction control / journaling unlike SQLite. Two levels of
 Corruption possible: filesystem (big blobs) or at level of data. Experiment with
 ext4 and keep pulling electrical plug, hah :-). While true enterprise/offsite backups
 are a bigger question!

- iii. True peer2peer communication not yet possible today (server like XSCE or similar required today: Firefox etc may permit in future, even with WebRTC not possible today for sure, and compatibility across many client devices is a goal of Sugarizer!)
- iv. FYI Presence does not use XMPP...
- v. List of Activities? Sugarizer server exposes API showing Sugar activities on the server. API too to browser shared Journal.
- f. Small projects for contributors?
 - i. http://wiki.sugarlabs.org/go/Summer_of_Code/2015 (especially: porting existing Sugar Activities to Javascript)
 - ii. <http://sugarcordova.blogspot.com>
 - iii. http://wiki.sugarlabs.org/go/Summer_of_Code/2015#Sugar_Activities_28Ports.29
 - iv. Porting Activities isn't cake of course, from Python to HTML5/JS: Physics? <https://wiki.sugarlabs.org/go/Activities/Labyrinth?> (TamTamMini is a straightforward activity, so porting done in 2-3 days!)
- g. XSCE+Sugarizer Ideal Deployment Targets?
 - i. Which Activities most urgent to port? Fototoon? Physics? Abacus? Labyrinth? Turtle Art (<http://turtle.sugarlabs.org>) currently doesn't use SugarWeb & similar collaboration standards so hard to integrate unfortunately!
 - ii. Where is the technical documentation showing the way, and/or best Template Activities to emulate? COMPARE: <https://github.com/sugarlabs/sugar-web> originating from Argentinians Manual Quinones & Gonzalo Odiard now almost equivalent to Sugarizer! SugarWeb Background: https://wiki.sugarlabs.org/go/HTML5_activities <http://developer.sugarlabs.org/web-architecture.md.html> <http://lists.sugarlabs.org/archive/sugar-devel/2014-December/049297.html>
 (difference between SugarWeb Sugar and SugarWeb Sugarizer)
 - iii. Tour/Help/Support/Stickers/Manual no matter how slim?
- 3. How to ignite European-African timezone volunteers / contributors / implementers?
- 4. Malaysia: TK's really great progress over past weeks with Tony!
- 5. Selenium UI testing of XSCE on CentOS 7 and F18/19/20/21/22 etc?
 - a. Can EMC or other professional-but-parttime volunteers partake, and if so how best?
- 6. <yr item here>

Thur 10AM EDT Mch 26, 2015 - voice call

- 1. Personal sync-ups: <yr quickie update>
- 2. India: New deployment in mountains early April
- 3. Fiji/Ghana evolution
- 4. XO-as-AP delay
- 5. xsce.org
- 6. xsce/bernie in Malaysia

7. <yr item here>

Thur 11AM EDT Mch 19, 2015 - voice call (ONE HOUR LATER THAN USUAL!)

1. Personal sync-ups: <yr quickie update>
2. George's progress with [XSCE on CentOS 7](#)
3. Deployment Needs, from E to W:
 - a. Fiji? Locked XO-1.75 client software needs to be solved first! They use NZ's [greenstone.org](#) digital library sw, we too should look into.
 - b. Malaysia? Elgg solid but real work begins with Tony next week!
 - c. India? Client HW being purchased for April. XSCE on F21 on Cubox testing. Metadata for TED talks? (clean index for folders of videos a la <http://tedtalks.eu> ?)
 - d. Ghana? Solar fixed, growth potential.
 - e. Sierra Leone? Awaiting Curt & Hakeem.
 - f. Haiti? Solar fixes ongoing. Big summer plans.
4. <http://xsce.org> Anish working on.
5. [XO-1.5+ acting as WiFi AP](#) tiny library servers attainably/viably/how?
6. [XSCE 5.5](#) free drinks for a [road map or spec](#) (may be relabeled to 6.0 later if it grows :)
 - a. offline install images for which HW/OS platforms?
 - b. cherry picking http://wiki.laptop.org/go/XS_Community_Edition/Features ?
7. <yr item here>

Thur 10AM EDT Mch 12, 2015 - voice call (MUCH OF N AMER BEGAN DAYLIGHT SAVINGS TIME)

1. Personal sync-ups: <yr quickie update>
2. Malaysia Pre-flight Checks! (10+8 new XO-1.75s & Zotac)
3. 128GB SD mass production/mass-copying sought (no put-these-kids-to-work child labor jokes ;)
4. HW team to combine 12000mAH battery??
5. CSG lessonmaking/curation/design involvement potential (Ghana too!)
6. IIAB Curric Refinement likewise?!
7. Fiji possibilities
8. Penang, Malaysia OLPC Basecamp 2.015 Nov 14-15 w large assoc Science Fair / Maker Faire
 - a. inviting TK & TGillett (Cambodia/Australia) & Elaine etc
9. Sierra Leone planning
10. <yr item here>

Thur 10AM EST Mch 5, 2015 - voice call

1. Personal sync-ups: <yr quickie update>
2. George -- the \$110 backpack mobile server 128GB SD
 - a. Rpi2 image ready to dd onto SD card on unleashkids w/ RTC, hostapd AP bridged to inet in appliance mode (root password=fedora)
 - b. 12000mAH battery powers Rpi2 server for 15Hrs
3. 11AM - Sierra Leone Prep/Precautions/Lessons/Needs
4. <yr item here>

Thur 10AM EST Feb 26, 2015 - voice call

1. Personal sync-ups: <yr quickie update>
2. George
 - a. rpi2 questions about \$ and system definition, \$100 computer, \$500 solar power

- b. portable/mobile digital libraries, like bookmobiles but even more flexible+affordable
 - c. debugging Silar solar power problems in Haiti
- 3. Hosting literacy software on schoolserver for Haiti
 - a. Pathagar vs Moodle annotations of PDFs etc, student accounts and books read, writing software
- 4. <yr item here>

Thur 10AM EST Feb 19, 2015 - voice call

1. Personal sync-ups: <yr quickie update>
2. TK questions: fixed IP on WAN side? (we have flags, but never implemented it, except in console where it should/eventually be settable!)
 - a. dhcpd & NetworkManager issues in Appliance Mode?
 - b. "Not as simple as turning off NetworkManager" (NM baked in too many other places ;)
 - c. TK successfully running Moodle 2.8.3 from Feb 2nd 2015, installed as an extra, on MySQL (tho no Ansible playbook or integration with XO/Sugar); very interesting-looking British contact @ Open University [using Moodle successfully with much younger kids?!](#)
3. Jerry V's great networking fixes+suggestions:
 - a. Which are priority to test?
 - b. Where do pull requests stand?
4. Release scheduling/solidifying for Malaysia?
 - a. March 24-30 in Malaysia w/ Tony Anderson, working on legacy PC's possibly too, in addition to XO-1.75s?
 - b. Tim concerned we're not ready for a full release -- suggestion to branch it off for Malaysia and support it, but without full release notes. Networking is quite-well fixed now, but no time for testing matrix at this juncture prior to Malaysia deployment trip. Refer to it as "release candidate" perhaps?
 - c. George agrees; sounds like consensus: prefers branch over tag.
5. *Irritating Android DNS or DHCP Issue, worsened by some browsers like Opera, further complicated by many browsers treating "schoolserver" (etc) as a search term. (Sometimes <http://schoolserver.lan> & <http://172.18.96.1> both don't work on older Androids, and regardless one single canonical URL for smartphones/tablets would be So Much Better!!!) mDNS might theoretically help, but doesn't seem to work for Tim :(*
 - a. see android.stackexchange.com for using local servers, the problem is caused by the WiFi connection in the Android host defaulting to the Google DNS servers 8.8.8.8, so you might either intercept the DNS queries and redirect them to the schoolserver, or configure the clients to use DNS from DHCP. Quozl.
6. George Questions:
 - a. Offline Install Images for NUC & Raspberry Pi 2 sufficient for now? Yes!
 - b. VNC needed in certain remote administration tasks, but where to package it for optional install?
 - c. Time to refresh "5.2" versus 6.0 roadmap: (interim label "5.5" also welcome?) http://wiki.laptop.org/go/XS_Community_Edition/Features#Features_Planned
 - d. Example: ELGG "Open Source Social Networking Engine", likewise much progress with <http://ownCloud.org> now working well in anticipation of Malaysia teachers, and an [inspiring talk @ MIT](#) last Friday, but not all our progress has yet been publicly recorded!
 - e. CentOS 7 "real server" support as an olive branch to larger/institutional/national deployments -- very much desired IF this succeeds in managing some of the upgrade/security/complexity treadmill!

7. Cheap hardware progress (includes SATA interface to HDD, bonus) @ <https://ict4dviewsfromthefield.wordpress.com/2015/02/01/lemaker-provides-banana-pis-and-generous-support-for-solar-digital-library-all-in-one-kit-project-and-for-maker-spaces/> with Laura Hosman & "Bruce Baikie.
8. Anish progress/updating WordPress & content @ <http://xsce.org>
9. Raspberry Pi 2 experimentation begins..\$35 indeed, [and shipping](#):
 - a. George Hunt observes Fedora 21 issues being finalized day-by-day...real soon now?
 - i. <https://lists.fedoraproject.org/pipermail/arm/2015-February/008992.html> Feb 11th link to software download
 - ii. <http://jonarcher.info/2015/02/getting-fedora-21-raspberry-pi-2/> Feb 19th update
 - b. Tim's higher-end RPi 2 (with all the knick-knacks: case, power supply, WiFi) coming "tomorrow"
10. Security discussion around how much XSCE must be locked down when placed partially or increasingly online. Experimental deployments often become more institutional/online over time, beyond original plans -- so firewalls and locking down ssh to certain users can help, but other tricks/audits/tips will be needed!
11. <yr item here>

Thur 10AM EST Feb 12, 2015 - voice call

1. Personal sync-ups: <yr quickie update>
2. Allan Wainaina intro:
 - a. is download to Nairobi possible?
3. Malaysia March 16/17 onwards, with Tony Anderson?
 - a. TK's Status, with 10 new XO's?
 - i. Elgg.org, owncloud.org (now on MySQL instead of sqlite) both working. "OwnCloud a bit like Dropbox but adds calendaring & contact-management." Focus "interactive collaboration" beyond library, beyond "live" ejabber-style.
 - ii. Android tablets run mpeg4 well so far.
 - iii. Auto-indexing upon insertion of content?
 - iv. No success yet with zim files or kiwix?
 - v. 16GB card running out of space why?
 - b. "Release" list consolidation?
 - c. Implications for many others?
4. Server update
5. Email strategies with a future?
 - a. Join thread @ <https://groups.google.com/forum/#!topic/xsce-devel/xKfhPAP0b6g>
 - b. Sharing's Caring, but Mesh How?! Compare other social media pkg's above, ejabber, and...Anish's docuwiki experiments.
6. Anish music compilation
 - a. India src/public sites mentioned last week? <http://125.23.112.5>
 - b. How to work with Cheyenne Hohman @ <http://freemusicarchive.org> (webinar which happened yesterday on CC-licenses - <https://www.youtube.com/watch?v=Il6Z6uJ1E2E>) ?
 - c. wp-site updates to xsce.org (need awesome images :))
 - d. Many large content repositories like <http://ccmixter.org>
7. Australia's Android XO rumors: <http://www.one-education.org/xo-infinity-new/>
8. <yr item here>

Thur 10AM EST Feb 5, 2015 - voice call

1. Guest Thane Richard (Detroit) from Outernet / Lantern discusses their successful Indiegogo and upcoming products, alliances, local languages/content work in Sudan?
2. Introductions
3. Anish summarizes much progress in India, and xsce.org site and possible docuwiki?
4. Ghana and West Africa impressions
5. TK meeting Tony Anderson in March in Malaysia

Thur 11AM EST Jan 29, 2015 - voice call

1. Personal sync-ups: <yr quickie update>
 - a. George -- can now capture a server image, and blap it onto raw intel NUC. Not clear whether vbox or other vm's will work. (feeling is that I'm over the hump, but a lot of testing remains, which I'm resisting). Maybe it's time to go into documentation mode.
 - b. Tim - attempt to install owncloud from tar fails because of many dependencies, probably have to revert
2. in Anish's absense <http://www.xsce.org/>

Thur 10AM EST Jan 22, 2015 - voice call

3. Personal sync-ups: <yr quickie update>
4. George
 - a. bogged down -- can use Tiny Core to fetch a netinstall to USB, and then reinstall onto raw hardware in mbr, 32bit EFI 32 and 64bit
 - b. Now need to fetch the configured XSCE onto USB as targz, and install it onto new hardware -- automatic selection of new tgz image
 - c. When does Solar stuff belong in XSCE -- Amazon VPN is really Haiti related -- security issues.

Thur 6PM EST Jan 15, 2015 - voice call

5. Personal sync-ups: <yr quickie update>
6. George: Silar's Solar system actual data at <http://50.17.210.12:3333/silars2/solar/>
 - a. Questions about dockers
7. Anish: Do these offer more control than wondershaper?
 - a. <http://coova.org/CoovaChilli>
 - b. http://en.wikipedia.org/wiki/WiFiDog_Captive_Portal
 - c. Maybe there are others, but these looked to have more control over user groups, and bandwidth limiting customizations
8. Tim: experiments with
 - a. owncloud
 - b. kalite
9. <yr item here>

Thur 10AM EST Jan 8, 2015 - voice call

1. Personal sync-ups: <yr quickie update>
2. March 1 XSCE 5.5 or 6.0 prioritization required?
 - a. Malaysia needs?
 - Support for SD card registration on the XSCE, update to Elgg and perhaps owncloud
 - http://doc.owncloud.org/server/4.5/admin_manual/installation.html#manual-installation
 - b. Offline Install's Henry Ford philosophy (any car you want so long as it's black!)
 - c. Content customizability, are we approaching a Basic GUI for educators/administrators?

- d. General usability/documentation needs?
 - e. Does a February 1 alpha/beta make sense?
- 3. Patrick Chen's great progress, scraping Khan vids:
 - a. Needs video titles / metadata!
 - b. Converting to .ogv
 - c. KA-LITE similarly has this completed in French / English ?
- 4. LibraryBox.us progress on TP-LINK 3020 etc?!
- 5. TK's new Intel @ CES hardware (but no XO-4 SMP official news?) announcements..
<http://www.zdnet.com/article/ces-2015-intel-introduces-compute-stick-with-atom-quad-core-cpu>
- 6. ownCloud.org <http://en.wikipedia.org/wiki/OwnCloud> versus...
 - a. Samba/Apache questions from Curt (file protection against write access) answered by Tim?
- 7. Malaysia's success with XSCE on XO-1.75, needing more XO-1s!
 - a. <http://solenotebook.com> compared to modular cell/smartphone Project ARA
- 8. Kano.me very significant progress on the GUI / usability front
- 9. Offline install on F21, George got it up to console-
- 10. XSCE on Raspberri Pi supports 5-6 RACHEL users?
- 11. <yr item here>

***TUESDAY* 11AM EST Dec 30, 2014 - voice call**

- 1. Personal sync-ups: <yr quickie update>
- 2. Batteries above 8000-10000 mAh, as part of a possible physical bundle with \$100-200 content servers?
 - a. Similar to Li Ion Richard Smith found in SkyMall magazine!
 - b. Richard also showcases very portable 5-40W handheld/suitcasable (and foldable!) panels: <http://www.eco-worthy.com/catalog/solar-panel-c-71.html> (polycrystalline & monocrystalline)
- 3. George offline install: USB-stick prep/copying questions?
- 4. Tim's Kiwix progress (C++ server / C interface notwithstanding)
- 5. Bandwidth very limited @ Small Schools / Orphanages, how to manage?
 - a. Wonder Shaper for Linux, has this evolved since 2002? <http://lartc.org/wondershaper>
 - b. <http://www.webalizer.org/webalizer.1.html> far better?
 - c. <http://www.awstats.org> yet better?
 - d. Traditions evolving beyond hosted/cloud solutions like OpenDNS.com not longer supporting single schools/churches?
 - e. Visibility for teachers to promote most educational sites?
- 6. Target March 1 to ship XSCE 5.5 or 6.0 for Malaysia / TK Kang
- 7. India update: <http://www.himalayaneducation.org/Schools.html>
- 8. Haiti / Silar infra upgrades:
 - a. 12 to 24V, new NUC, (etc!) all on-track, testing too now?
 - b. intelligent bandwidth-limiting regimes, as model for other schools to wisely portion out their 10GB/month?
- 9. Ghana final approach
 - a. EP 2210 (running @ 24V) + PYLE v. HOSSEN + MT-5 Remote Monitor + XSCE auto-monitoring at other times?
- 10. Patrick Chen meetup?
- 11. <yr item here>

Thur 11AM EST Dec 18, 2014 - voice call

1. Personal sync-ups: <yr quickie update>
2. Haiti ongoing deployment school status reports & next steps, many details from Nick Doiron:
 - a. Bois D'Avril steady state achieved or close?
 - b. Lascahobas success getting stories built using iloominate, with major infra changes ongoing (controller stabilized? 24V soon, testing), incl bandwidth portioning/fairness regime needed since 10GB/month gone mid-month
 - c. Silar upgrades Dec 22 onwards
 - d. Cazeau Jan 16 onwards
 - e. Open questions coming together @ many others sites {Delmas 28, Hinche, Grande-Goave, ...}
3. 3D printing prototype-towards-commodity case, re-awakening the \$100-200 digital library community actionism:
 - a. George found case/enclosure for Banana Pi + mSATA HDD (CAD .stl file available from Poland guy?) <http://www.thingiverse.com/thing:460603>
 - b. Case-building assistance with Squeakland's Steve Thomas's 3D printing friend perhaps?
 - c. Nettleton has SolidRun projections for coming months (new HW offerings)
 - d. 128GB SDHC content direction?
4. Ghana Prep
 - a. Renaming SSID "kidslab" to "InternetInABox" @ girls' high school.
 - b. How can Axim, Ghana most benefit from "Electrical Nanny" XO-1 George customized?
 - c. Which charge controller best, presumably EP 2210?
 - d. Battery/Wiring choices / what to avoid!
 - e. Physical tool prep/inventory... follow Silar/Lascahobas footsteps!
5. Nurturing Connections among [like-minded methodical allies](#), with growing lessons that did not exist 5 years ago:
 - a. Jon Nettleton "HW" (Richard Smith solar tips)
 - b. OLE.org
 - c. AConnectedPlanet.org (Haiti)
 - d. LibraryForAll.org
 - e. Mennonite Committee's 5-6 countries in Central Africa?
 - f. Digital Library Conclusions: \$100 offline/hobbyist relevance (eg. RPi serving as a reliable+customizable digital library) merging with \$1000 online/school trajectory (eg. 24V remotely monitored systems now being proven in Haiti) but how to cement community bridge?
6. Patrick Chen making good progress on web-crawling education content like Khan. Next checkpoint in NYC? QA/auto-conversion to .ogg can follow in early Jan 2015 likely.
7. Hoping [lists.laptop.org](#) comes back to life over upcoming holidays, with Langhoff's help.
8. Fedora 21 released Dec 9, something to monitor in 2015? Or will F22 be more relevant, with [ETA May 19](#)?
9. Next meetups when? Feb 5 for sure :)
10. <yr item here>

Thur 11AM EST Dec 11, 2014 - voice call

1. Personal sync-ups: <yr quickie update>
2. Nick's <http://iloominate.org> progress:
 - a. needs? playbook? menuing?
 - b. ssh key installed @ both schools for Dec 14-21 in Haiti? And after.

3. Haiti servers increasingly sync'ing electrical/network/disk/cpu data to cloud (daily when possible, tries hourly) to advance ISP/NGO debugging. Including munin tool's graphing. Sora arriving in Haiti today for ~40 days to enhance remote tuning/training.
4. Tag issue & Offline Install Support: how to avoid bifurcation (32 vs 64-bit, CPU, UEFI struggle..abandon MBR partitions? Start small by focusing on 64-bit install & live with decision?)
5. Bois D'Avril, Haiti "search feature isn't sorting by relevance. It sorts somewhat alphabetically"
6. Much progress advancing electrical option realities for small solar schools, and keeping a grip of electricity flow "lifelines" via the school server (e.g. interfacing with EP/Renogy Tracer charge controller units in item B just below, watching the data sent every 10-20 seconds to the MT-5 Remote Monitor). How best to share this data with physics teachers, schools sponsors, principal, kids and stakeholders of all kind, who genuinely act meaningfully on this data when presented in relevant ways?
7. 20-XO harness / octopus: serious charging problems emerging since August in Haiti:
 - a. Lessons learned in refining construction/integration of [XO plugs/tips](#) ?
<http://schoolserver.wordpress.com/hardware/charging-10-xos-with-a-decapus/>
 - b. Diagnosing solar charge controllers, like the EP 4210 and 2210
 - c. DigiKey site problems, and (alleged) changes to [CP-2199-ND](#) (right angle) part by China supplier?? Harmonizing latest evidence, with same issue (allegedly) preventing CP-2195-ND part from cleaning charging XOs as well?? Many disturbing (claims) that plugs/tips need to be twisted into the XOs to make proper electrical contact.
8. Github Pull Request PR 189 from Tim going ahead (RACHEL). Kiwix work separate.
9. New Haiti tablet work from A Connected Planet shows more potential, more organized than your typical Haitian NGO, and two locations in the Central Plateau:
<http://aconnectedplanet.org/programs/technology-in-class>
<http://aconnectedplanet.org/projects/matenwa-camp>
<http://aconnectedplanet.org/programs/early-literacy>
<http://aconnectedplanet.org/about-a-connected-planet/management>
10. <yr item here>

Thur 11AM EST Dec 4, 2014 - voice call

(Ben? Christophe? Curt, George, Holt, Nick? Sora? Tim, Tom, TK, ...)

1. Personal sync-ups: <yr quickie update>
2. New RACHEL pre-announced...
3. Khan-video-scraping/converting Dec 13 onwards (Patrick Chen).
4. Haiti/Ghana electrical prep, towards long-term goals of:
 - a. 24VDC school nanogrids and where that's impossible 12VDC
 - b. smart monitoring / nanogrids
 - c. \$20 LED vs \$12 CFL light bulbs for tropical environments!
<http://www.designrecycleinc.com/led%20comp%20chart.html> eg
<http://www.12vmonster.com/collections/12v-24v-led-lamps-and-light-bulbs/products/ac-dc-24v-36v-12w-60x-5050-cluster-led-light-bulb-e26-e27-screw-fitting-lamp>
 - d. finalizing shopping list for 2.5 immediate deployments
5. George's new Intel NUC / Tiny Core Linux boot options for (which kinds of ?!) offline installs...
 - a. seeking an image that can be installed by Tim/others on other HDD
6. Anish web efforts
7. Fedora 21 Final Release Candidate 5 out morning of Dec 4 ("likely same bits'll be final Tues")
https://fedoraproject.org/wiki/Test_Results:Current_Summary
8. Could this tall tale be legit?

Recycling Electric Car Batteries to Power Schools

<https://www.indiegogo.com/projects/recycling-electric-car-batteries-to-power-schools>

9. Making Sense of Educ Indicators/Data Workshop expected Dec 2015 around Amsterdam:
https://docs.google.com/document/d/1PVEvAcW9xSdd_wp2xYHS2N6c753if_yQ-2kbqDCKltc
<http://data.linkededucation.org/linkededup/catalog/browse/> <http://data.linkededucation.org>
10. OLPC mailing lists @ <http://lists.laptop.org> down but being worked on.
11. <yr item here>

Thur 11AM EST Nov 20, 2014 - voice call

(Curt, George, Holt, Tim, TK, ...)

1. Personal sync-ups: <yr quickie update>
2. Default licensing recommendation finalized/announced: GPLv3? AGPL?
3. Status of very latest IIAB/RACHEL snapshot disk going to NYC/Nick then Haiti/Silar's?
4. Ghana server diagnosis/roadmap to shipping? [OpenVPN no longer starting as in Sept/Oct: Tim will continue w/ Maryanne later, trying to force it to launch using "xs-vpn test" etc]
5. Roadmap for XSCE 5.5 or 6.0 (what should be included, what not) towards alpha/beta testing beginning late Dec 2014?
 - a. Tim's admin console
 - b. George's offline install
 - c. TK's requests?
 - d. IIAB / new RACHEL alignment, eg French .ogg video archive for starters?
 - e. Beyond <http://download.unleashkids.org/xsce/downloads/khan/> what's need from Patrick C, Tom G, Curt T or others?
 - f. CentOS 7 and Fedora 21 desires/reality?
 - g. Other?
6. Results of Boston focus group on Nick/Sora's <http://iloominate.org> storybook-creation app, for Haitian Creole teachers especially:
 - a. Curt: assisting w/ IIAB & RACHEL copying to NUC's internal HD, shipping to NYC?
 - b. Ansible playbook needs for XSCE integration?
 - c. Dec workshop dynamics?
7. Electricity Issues Everywhere!
 - a. Schools' electricity-logging at 12V, 24V if not 115V / 230V?
 - b. Which schools in Haiti? Which electricians in Haiti!!
 - c. Which schools in Ghana / elsewhere?
 - i. OLE.org emphasis on smaller servers
 - d. How can we build on [Solar Electric Light Fund](http://self.org)'s (<http://self.org>) strong successes in Haiti?
 - i. What meaningful lessons / alliances can we derive 1/4 century into <http://twitter.com/solarfund> 's work?
 - ii. Calif or Stanford contact as Ken suggested?
8. Workshop/Mini-Conference on Education Indicators/Stats/Data/Visualization, supported by many OLPC Alums, possibly in Amsterdam/Europe <- USA around Dec 2015:
 - a. organized by Christophe Gu  ret / Benita Rowe
 - b. open standards for [logging](#), visualization, anonymization, executive dashboards?
 - c. kids/teachers visualizing their own learning maps and [learning analytics](#), beyond big data overlords :)
 - d. draft agenda, working groups:
https://docs.google.com/document/d/1PVEvAcW9xSdd_wp2xYHS2N6c753if_yQ-2kbqDC

[Kltc](#)

- i. Phenomenology/Theory of knowledge spaces (WG1&2)
 - ii. Visual analytics of knowledge spaces – knowledge maps (WG3)
 - iii. Data curation and navigation based on knowledge maps (WG4)
9. <yr item here>

Thur 11AM EST Nov 13, 2014 - voice call

(Ben? Curt, George, Holt, Nick? Sora? Tim, Tom, TK, ...)

1. Personal sync-ups: <yr quickie update>
2. GPL vs AGPL vs ?? - default software license requested by Tim
 - a. Recommendations by Anish/Bernie
 - b. "Choosing an Open Source license" & similar background reading from Sameer:
<http://lists.laptop.org/pipermail/server-devel/2014-November/007494.html>
<http://www.rosenlaw.com/oslbook.htm>
 - c. Content VS Software licensing gotchas we need to watch out for?
3. Huge progress debugging XO-1.75 XSCE in Hinche, Haiti over OpenVPN, during 3-hour live call with 3 guys working on it live there (Sean, Ruben, Herodion). Tim Moody will summarize later.
4. <yr item here>

Thur 11AM EST Nov 6, 2014 - voice call (that's 11AM NYC Time, whose clocks just changed!)

(Curt, George, Holt, Sora, Tim, Tom, TK, ...)

1. Personal sync-ups: <yr quickie update>
2. Offline install - George
 - a. how this will work
 - b. implications for future XSCE
 - c. kickstart offline install on bare metal
 - i. eg. CentOS 7 another NUC, to workaround UEFI struggles? (George worked hard on this week, so we can all better integrate with Tony Anderson's work & UEFI workarounds)
 - ii. headless install possible? we'll see later!
3. Admin Console - Tim
 - a. reviewing its purpose/design?
 - b. WIP: <http://xsce.org/demo/admin-demo.html>
 - i. server config (privs, web-filtering, change password, everything?)
 - ii. content mixing
 - iii. multithreaded Python application!
4. [RACHEL](#) Integration with IIAB/XSCE - with Tim & Curt especially
 - a. looking tremendous for Ghana already
 - b. growth path dependent on future RACHEL releases?
 - c. RACHEL on Rpi work well when plugged into a XSCE powered by XO1.75. Only issue is the XO browser can't play the various Khan videos. Also manually added the GetSimple CMS (<http://get-simple.info/>) into the /var/www/html/content directory for a simple CMS (TK)
5. Hourly XSCE connectivity cron job, to re-establish 3G link:
 - a. patterns across deployments, anything we can learn/share/document so far?
6. Crystal Ball, what to do about:
 - a. new CentOS 7 effort (George above)
 - b. imminent [Fedora 21](#)?

- c. persistently high cost of the [Intel NUC](#)?
- 7. GPL vs AGPL vs ?? - default software license requested by Tim
 - a. recommendations by Anish
 - b. "Choosing an Open Source license" & similar background reading from Sameer:
 - <http://lists.laptop.org/pipermail/server-devel/2014-November/007494.html>
 - <http://www.rosenlaw.com/oslbook.htm>
 - c. any content licensing gotchas we need to watch out for?
- 8. Haiti: AP Prep, RACHEL Plan, Electric Futures
 - a. TP-LINK 841N: preferred config for 3 new units?
 - b. Upgrading all units to [Oct 13th, 2014's new firmware](#)
 - c. US download @ <http://rachel.worldpossible.org/howto.html>
 - d. Field installation plan on XSCE 0.4 & 5.0 with varying IIAB?
 - e. [Solar Electric Light Fund's](#) (<http://self.org>) strong successes in Haiti (eg. around Mirebalais, partnering with many different organizations!) and their "Whole Village Development Model" -- what can we all learn??
- 9. Forthcoming / next week: <http://iloominate.org> app focus grouping with Haitian Creole educators!
- 10. Boston Ghana updates; Malaysia / E Africa too?

Leaving for Malaysia next week (updates here <http://olpcbasecamp.blogspot.hk/>) TK

SD card is becoming my choice for deployment with limited XO's. A recent video in a urban HK with a minority pre-school (https://www.youtube.com/watch?v=zhfsXi_Wt94). A XSCE on a broken XO 1.75 provide the connectivity, internet access for the XMBC running RaspberryPi.

Looking forward to future XSCE development with SD registration.
- 11. Is 10AM or 11AM NYC Time best going forward? East Asia vs California :)
- 12. <yr item here>

Thur 11AM EDT Oct 30, 2014 - voice call

(Anish, Curt, George, Holt, Nick, Tim, Sean, ...)

- 1. Personal sync-ups: <yr quickie update>
- 2. Live Haiti report from [Sean Collins](#) tuning a school server in Port-au-Prince, Haiti and training its lead teacher, whose [school](#) works closely with the neighboring orphanage.
- 3. Integrating [iloominate](#) eBook/Storybook Editor - with Nick Doiron especially
 - a. SW Node.js trajectory all sane?
 - b. HW constraints in Haiti especially: how much would need to be replaced/overhauled?
- 4. Tony Anderson's BIOS/firmware dilemmas w/ UEFI especially -- needs help getting XS 0.6.x installed on the following platforms:
 - a. NUC 34010 - not working because of bios version
 - b. NUC 2820 - installs but doesn't boot
 - c. Gigabyte Brix GB-BXBT-2807
 - d. Zotac nano CI320
 - e. Zotac ID81 Atom system but UEFI not Bios
- 5. Offline install - George
 - a. how this will work
 - b. implications for future XSCE
- 6. Admin Console - Tim
 - a. reviewing its purpose/design?
 - b. WIP: <http://xsce.org/demo/admin-demo.html>
- 7. [RACHEL](#) Integration with IIAB/XSCE - with Tim & Curt especially
 - a. looking tremendous for Ghana already

- b. growth path dependent on future RACHEL releases?
- 8. Hourly XSCE connectivity cron job, to re-establish 3G link:
 - a. patterns across deployments, anything we can learn/share/document so far?
- 9. Crystal Ball, what to do about:
 - a. imminent [Fedora 21](#)?
 - b. persistently high cost of the [Intel NUC](#)?
- 10. Do we stick with 11AM NYC Time Thursday in future weeks??
 - a. Curt, Anish, TK, Others? (Anish - worksforme)
- 11. <yr item here>

Thur 11AM EDT Sept 25, 2014 - voice call

(AnishM, DanishkaN, GeorgeH, Holt, TimM, TomG, TKKang)

- 1. Personal sync-ups: <yr quickie update>
 - TK: Basecamp2014Trek@PenangIpohTrasKLMalacca (Starting Nov 15 in Penang)
- 2. Recent Activity
 - a. Haiti
 - b. Ghana
 - c. NYC -> Lesotho recruitment model better!
- 3. Development
 - a. ELGG (open social platform)
 - Running well in testing but had a missing mysql.sock error after shutting down from a fresh install. I need to do a "systemctl enable mariadb.service" to get it function after reboot. The mysql database is not robust as I get error with elgg when I simulate power outage. Will test in the wild for the Malaysia dLEAP project if issue can be resolved (TK)
 - c. Offline Install
 - b. kiwix and iiab
 - c. Anish
 - i. mediastudio - <http://nroer.metastudio.org> (new - early alpha), <http://nroer.gov.in> (old, very basic-functionality)
 - ii. <http://people.sugarlabs.org/anish/metabox-pitch.webm> seems to resonate with a few folks I showed it to ('metabox' is a hurriedly made up name & icon, no copyright etc.)
 - iii. convo w/ C.O.L Aptus folks- <http://www.col.org/progServ/programmes/KM/Pages/Aptus.aspx>
 - 1. backing? reach?
 - iv. giant crowdsourced list of content repos - <http://piratepad.net/AsnxkSIPE3> & map (<https://www.zeemaps.com/map?group=1098155>)
 - d. owncloud (<https://owncloud.org/>) on XSCE
 - Manually installed it at /opt/owncloud and seems to be working well :) (TK)
 - e. <yr item here>

Thur 10AM EDT Aug 28, 2014 - voice call

- 1. Personal sync-ups: <yr quickie update>
- 2. Ghana XSCE final prep - wiring harnesses heading to Washington soon
- 3. ELGG (open social platform) TK requested: George success creating playbook
- 4. Scripting & Offline Install design ideas: George & Tim
 - a. obtain USB stick & run!?

5. Status for MSI Windbox and cubibox i4 ?
6. CentOS gives up too much, ARM support?
 - a. 3 problems George faced: Erlang, Moodle, Ajenti
7. <yr item here>

Thur 10AM EDT Aug 21, 2014 - voice call

1. Personal sync-ups: <yr quickie update>
2. <yr item here>

Thur 10AM EDT Aug 14, 2014 - voice call

1. Personal sync-ups: <yr quickie update>
2. In-Haiti Engineering (implementation realities) entering high gear:
 - a. Silas Orphanage fixes in Haiti ongoing!
 - i. documentation
 - b. Hinche Haiti fixes ongoing!
 - i. documentation
 - c. Status of brand new threesome {Delmas 28, Bois D'Avril, Lascahobas}
 - d. Cazeau hope status bottlenecked by local conditions??
 - e. Grand-Goave server coming online early Oct as Sean Collins' first project?!!
 - i. Sean's full-scope prep for Sept/Oct/Nov/Dec!
3. IRC proxy service embracing more who want to keep up via #schoolserver (see July 31)
4. <yr item here>

Thur 10AM EDT Aug 7, 2014 - voice call

1. Personal sync-ups: <yr quickie update>
2. IRC proxy service embracing more who want to keep up via #schoolserver (see July 31)
3. Parts news in Michigan, soon!
4. PoEthernet and similar antenna ambitions George is working on / Tim considering.
5. Anish progress in India w/ Jon Nettleton.
6. <yr item here>

Thur 10AM EDT July 31, 2014 - voice call

(AnishM? BenB? BraddockG? CurtT? GeorgeH? Holt, JonN? MarkB? MartinD? SoraET? SteveT? TimM, TonyA? TomG, TKKang)

1. Personal sync-ups: <yr quickie update>
2. Can we install <http://en.wikipedia.org/wiki/Quassel IRC> for much broader community access to #schoolserver on irc.freenode.net ? (graphical, distributed, cross-platform IRC middleware/client OLPC installed for employees around 2010; Sugarlabs was running another IRC proxy call "Bip" but development has frozen over the past 2 years, so Bernie just this week upgraded to <http://en.wikipedia.org/wiki/ZNC>)
 - a. Some can't stay online in developing countries especially, needing scrollbar kept for them
 - b. What server to install on?
3. XSCE 5.1 installation for Ghana will begin in the coming days:
 - a. Tim shortening the installation procedure
 - b. Suggests TK Kang in Hong Kong / Malaysia/ Australia to begin using: <https://github.com/XSCE/xsce-local>
4. HW temptations:

- a. <http://armdevices.net/2014/07/28/89-mixtile-loft-kit-allwinner-a31-mini-pc/>
- b. TK in touch with Martin of Mixtile: (in Shenzhen China, not far from TK)
<http://www.cnx-software.com/2014/04/13/mixtile-loft-q-board-and-loft-kit-mi>
- 5. Future focus goal: CONTENT kids/schools askings for, more than new architectures
- 6. <http://www.metastudio.org/home/> online academy "L2L collaborative"
- 7. Durian conversation. TimM love the taste of Durian :-). Maybe we can put the XSCE in a Durian casing :-). With spikes it offer protection!

Thur 10AM EDT July 24, 2014 - voice call

(AnishM? BenB? BraddockG? CurtT? GeorgeH, Holt, JonN? MarkB? MartinD? SoraET? SteveT? TimM, TonyA? TomG? TKKang?)

- 1. Personal sync-ups: <yr quickie update>
- 2. XSCE/IIAB pre-flight testing tool: <https://github.com/XSCE/xsce-tests> [please note that the link was wrong last week and changed.]
 - a. Can George/Holt advance testing this before Tim gets busy in August?
 - b. Can Sora/Ruben use this in Haiti this month? Or prior to Aug 15/22?
 - c. For Ghana's server's US testing in August?
 - d. Tim made great progress over the past week. Ongoing "To Do" in
<https://github.com/XSCE/xsce-tests/blob/master/Run-on-XO/testing/root/xo-test-xsce>
- 3. Battery-monitor & Power-Awareness for Ghana -- will 18W be available continuously? Half days? Or unreliably?
- 4. [Banana Pi](#)'s \$30 vision real?
 - a. Even if a \$40-60 pricepoint ends up being more realistic in the end (?) this is great pricing driving participation-via-hype (so be it) with implementation/orchestration of course being the real issue later :)
 - b. Timeframes regardless, for Sept 10 (Ghana) and Sept 20 (Haiti) overseas evaluations?
 - c. 3D printed UK case, or Toronto/etc acrylic/plexiglass initially?
 - d. Separate: custom battery/solar panel/charge controller especially must be scaled to size of solar array + batteries.
- 5. XO-client -- progress report. Testing suite tried on HaitiOS -- offline tinycore install process:
 - a. choice of tinycore at make/compile time? branches vs separate git repos?
 - b. sshd enabled
 - c. avahi announces ip address for ssh server
 - d. openvpn
 - e. stand alone acpower monitor
 - f. Future? -- footprint concerns
 - i. mumble (opensource skype/voip, uses murmur as phone book)
 - ii. remote desktop-X11vnc
- 6. XO maintenance issues/opportunities emerging in Australia, USA, Canada.
- 7. French KA Videos <http://www.khan-academy.fr/arithmetique-et-prealgebre>
 - a. How to obtain / BSF contacts in Paris (Libraries Without Borders).
 - b. Convert to ogg (.OGV)
 - c. Thanks to George uploading Khan math videos to <http://download.unleashkids.org> seed!
- 8. Whither [XSCE 5.1](#)?
 - a. Security issues simplified:
 - i. xsce-admin password more immune to dictionary attacks, as deployments don't change this near-root password even when we ask them :-)
 - ii. Long-term users strongly urged to harden xsce-admin access, and install their

own ssh public key in `authorized_keys`, while also using OpenVPN for extra protection.

- b. Tim: as you release [XSCE 5.1](#) in coming days/weeks, can you pave the way in the release notes for others, delineating what they'd need to do to rebase on the new CentOS 7.0?

Thur 10AM EDT July 17, 2014 - voice call

(AnishM? BenB, BraddockG? CurtT? GeorgeH, Holt, JonN? MarkB? MartinD? SoraET? SteveT? TimM, TonyA? TomG, TKKang?)

1. Personal sync-ups: <yr quickie update>
2. Massive Accomplishment completed over past 5 weeks, for 3 Haiti schools. What style of pre-flight QA checklist(s) makes most sense next time? (when William & Mary College no longer allows us to parachute [Sora](#) into Haiti...and "Ken Ben Ken Airlines" stops giving us free weekly shipments to Haiti ;)
- a. Perhaps being too blunt: how do we avoid the NN trap of achieving our \$100 HW fascination, delivering (in the best sense, \$100 server this time rather than \$100 laptop) to the weekender geek community, but failing to systematize or have any global impact on education/publishing/content?
- b. Will Tim Moody's <https://github.com/XSCE/xsce-tests> kill many testing birds with one stone? George Hunt will try to help add to this high-potential pre-deployment testing path.
3. If Intel's "fixed" [N2830 Celeron NUC](#) is available for Ghana and similar clientele later this year, do we embrace it? Or, will a larger organically-growing community unleash More Resilient Contributor Roots around \$200+ ARM-if-rattletrap-don't-say-claptrap-hardware :)
 - a. Note: the web is calling the new NUC DN2830FYKH but Intel apparently plans to keep calling it the 2820FYKH. Intel will show the following codes on the box: old model: H22962-102, new: H22962-103, also H24582-202 vs H24582-203. One of these codes is on the box. Speculation is that this NUC is not in stock in the US and Europe and so that when it re-appears, it will have the new part. Another report says Intel notified customers that it would ship the new version after June 14, 2014. (See <https://communities.intel.com/thread/50331?start=0&tstart=0>)
 - b. Plz try Anish's ready-to-go F20 images for Cubox/ARM ?
<https://drive.google.com/uc?id=0B2qGKOFYikSuREw5V3JiYzRsNjg>
4. What timeframes do Tim/Curt think MIGHT make sense to mash up RACHEL/IIAB into something faster/cheaper/cleaner? (being VERY wary of yearlong refactoring projects like Ansible, but also admitting their essential necessity every few years!)
 - a. What essential pieces of <http://internet-in-a-box.org> can we "manageably" upload to mit.edu for public consumption later this year, in how many parts? (Braddock's opinion??)
 - b. How do we incentivize repackaging/curation tools, such that more content-savvy folks like Denny below can compile the pieces their country needs in a few short weeks?
 - i. Likewise is a CouchDB database of much available content metadata possible in the coming month, thanks to one of our interns?
 - c. Tim's vision for OpenStreet Map repackaging tools:
 - i. Can OSM be trimmed to 12-or-13-levels-of-zoom for solid-state, instead of IIAB's current 15-levels-of-zoom?
 - ii. Can the last 4 levels of zoom (close detail @ levels up to 19) be

- rendered-on-the-fly, even if slow/taxing to the server?
 - iii. Or better yet, can tiles for these detailed zoom levels be pre-rendered prior to deployment, for individual country/region-in-question?
- d. OGV and similar archives playable on XO-1, thanks to GeorgeH & TomG:
 - i. <http://download.unleashkids.org/khan/> (sample from GeorgeH/MarkB, they can provide more!)
 - ii. http://mapmeld.appspot.com/khan_categories.html (thanks to Nick Doiron)
 - iii. [http://wiki.sugarlabs.org/go/Sugar_Creation_Kit#Khan_Academy_videos_in_OGV format](http://wiki.sugarlabs.org/go/Sugar_Creation_Kit#Khan_Academy_videos_in_OGV_format) (thanks to TomG)
- 5. Let Educators Speak Directly: How do we support Denny Baumann-like posses sprinkled around the planet country-by-country -- these many friends of ours, in the end the crucial underpinnings of our movement -- hypermotivated folks OUTSIDE Ministries of Education bringing together French/Indigenous/Diaspora/Whatever content for the latest 1000 laptops/devices streaming to Haiti/Africa/churches etc literally every week? During this time when the [Peace Corps itself is measurably shrinking](#), unable to move fast enough [for now...](#) The urgency becomes yet more clear.
- 6. What [XSCE 5.1](#) platforms truly need testing, if it's now time to publish our Haiti work more widely over coming weeks, rightsizing [XSCE 6.0](#) next?
- 7. What battery-monitoring (or power-awareness) work of George's and Richard Smith's can we more properly support? In time to send a prototype to Ghana early September, to make this most meaningful! (For the larger school server implementation in Ghana, George reminds us 18W is required most if not all of the day!)
- 8. Shoutout to Nancie Severs' on her unexpected new journey <http://blog.travelpod.com/travel-blog/nsevers/6/tpod.html> after having nurtured Bois D'Avril, Haiti's deployment just now begun: <http://projectrive.wordpress.com/2014/07/16/the-hills-are-alive/>

Thur 10AM EDT Jul 10, 2014 - voice call

(AnishM, BenB? BraddockG, CurtT, GeorgeH, Holt, JonN, MarkB? MartinD? SoraET? SteveT? TimM, TonyA? TomG, TTKang?)

1. Personal sync-ups: <yr quickie update>
2. Internet-in-a-Box Review: with implementer Curt Thompson & creator Braddock Gaskill
 - a. IIAB advances since Aug 2013 and how to use them?
 - i. Braddock wikipedia fulltext search + maps search by city name
 - b. IIAB Questions:
 - i. local.ini overrides don't work?
 - ii. IIAB directory location
 - iii. .zim files used how? (external index, or kiwix doing indexing?)
 - c. XSCE integration directions?
 - d. RACHEL comparison/co-evolution?
 - e. BERNIE comparison/co-evolution?
 - f. eGranary comparison/co-evolution?
3. Nepal XSCE progress/preview for Aug 7?!
4. <yr item here>

Thur 10AM EDT Jul 3, 2014 - voice call

(BenB, GeorgeH, Holt, MarkB, SoraET? TimM)

1. Personal sync-ups: <yr quickie update>
2. George & Tim advancing/consolidating XSCE 5.1 for release
 - a. Haiti's immediate 3 deployments
 - b. XOvis advances
3. Internet-in-a-Box call we will schedule for Thur Jul 10
 - a. is shrinking IIAB's GB footprint possible/advisable?
 - b. would a long-term strategy of merging RACHEL+IIAB be possible/advisable?
4. Nepal questions - will update properly with Sumit in coming weeks
5. GRuiz - XSCE Pathagar SSL issues solvable in Nicaragua?? Or comment out for now...
6. MarkB - 5 employees growing/evolving in new ways as school count expands
7. BenB - has 15 power-lines for XOs + 4 chargers -- need more. 250W power panel to be installed too.
8. <yr item here>

Thur 10AM EDT Jun 26, 2014 - voice call

(GeorgeH, Holt, JonN, TimM, TonyA, TomG)

1. Personal sync-ups: <your quickie update>
2. Intel i3 NUC's great progress for Haiti deployments in July, thanks to George, Tim and a new IIAB shipped by Curt in early June. June 30th approaching as the 1st of several shipments to Haiti, with some final implementation choices and testing now underway:
 - a. Fedora 20 progress (necessary on Intel NUC, forcing the jump from Fedora 18)
 - b. moodle-xs, ds-backup, ...
 - c. XSCE 5.0 vs XSCE 5.1 vs "5.1 prerelease for NUC" choices to maximize stability in Haiti.
 - d. Unlocked Netgear MBR1210 3G routers (similar but more high-end than Natcom's ZTE MF25) bought used might greatly help schools in Haiti if we reconfirm it works with both telcos / ISP's Natcom and Digicel! (A simple swap of the SIM card and reboot would be truly lovely, when 3G signal quality fluctuates between these 2 companies town-to-town...)
 - e. WiFi AP standardization helps us in Haiti, with many schools share the same spare parts and configuration know-how -- but which AP in the end? Is our battle-tested solution of bringing extra units of the \$19.99 TP-LINK WR841ND now under question with Amazon quite arbitrarily now raising the price to \$27.99 ?
 - f. USB-to-Ethernet & other gotcha's -- what spare parts/tools/tips/materiele will be absolutely essential to preship to Haiti?
 - g. CONSENSUS DECISIONS?
 - i. to create XSCE 5.1 on F20 for NUC for Haiti, with 5.1.1 (or such) for many more platforms (XO's, MSI, Cubox, Raspberry Pi, etc) arriving later this summer, with better Pathagar/Moodle support at that time
 - ii. to retain completely open Internet as the XSCE default out-of-the-box, with simple instructions for Haitian schools that (all) ask us for a white-list to protect their youngest kids from exploitive commercialism, while permitting the handful of focused educational sites they require such as <http://bing.com/translator>
3. Intel NUC's, MSI vs Cubox ARM choices long-term.
4. TomG's update:
 - a. MSI successes
 - b. F21 warning: FYI http://wiki.sugarlabs.org/go/Fedora_21#DNF_vs_YUM wifi is no longer installed by default in f21(rawhide) <http://blogs.gnome.org/dcbw/2014/06/19/psa-fedora-21-networkmanager-and-dnf/>

5. Gathering Content - Tim/Tony comparing IIAB and RACHEL
6. <your item here>

Thur 10AM EDT Jun 19, 2014 - voice call

(AnishM? BenB, GeorgeH, Holt, JonN, MarkB, MartinD? TimM, TonyA, TomG, TKKang)

1. Personal sync-ups: <your quickie update>
2. [XOvis](#) steady progress from MartinD & AnishM:
https://martasd.cloudant.com/all_deployments/design/xovis-couchapp/index.html
3. Strong initial success w/ WiFi & backup fixes for XO-1s in Haiti, using [TC-libertas-patch2.zip](#) ; will expand testing around Haiti now.
 - a. Compare Release [13.2.1](#) for XO-1 ("to be released July 1, 2014") using external SD card slot: <http://wiki.laptop.org/go/11233> (fast if SD cards affordable, install to USB to SD complicated for now, streamlinable for non-techie end user later? Sugar 0.98.7). TK Kang joins SD testing too (Yes... boot up in 65 sec on a class 4 8G SD card..... thanks to James Cameron for a SD solution to turbocharge XO1 :-) TK)
4. Various Intel NUCs (incl low-power [N2820 recall](#) vs. \$290 [i3 NUC](#) D34010WYB) vs MSI.com vs Cubox/ARM hardware choices (and especially practical SATA TB enclosure to avoid spaghetti nightmares in the field). Microdeployments needing answers now this summer, so many working their tails off trying to bring sanity to this longstanding "\$100 education server" dream, with actual decisionmaking at last :)
 - a. Headless (server running with no monitor) possible? GeorgeH optimistic but questions from Amazon reviewers: <http://amazon.com/product-reviews/B00HOJAVDG> (Robert Salita: "Headless and Well Hassled", Stuart John: "won't work in headless mode" "without one of these to fake it:" \$18
<http://amazon.com/CompuLab-fit-Headless-computer-display-emulator/dp/B00FLZXGJ6>)
 - b. UEFI bios issues resolving pray?
 - c. Intel NUC's power consumption generally very low if...
 - d. TomG's new MSI winbox DC111-027XEU running SUSE 13.1 ...with
<https://news.opensuse.org/2014/05/22/gnome-classic-edition-of-opensuse-education/> ?
5. Haiti XSCE/IIAB deployments launching shortly, others to follow rapidly:
 - a. New IIAB from late May (thanks Curt!) testing by Tim Moody & George Hunt next week?
 - b. RACHEL / IIAB / eGranary cross-comparisons (Tim, Tony)
 - c. BenB's big news around late July Lascahobas planning, IF electricity can be made to work beyond evenings! (generator??)
6. Tim reorganizing XSCE code..success; IIAB-copying travails!
7. MarkB's news from Kenya:
 - a. Simon beginning XSCE tests
 - b. New HR process deepening structure
 - c. 12th school opened (carry-in starter program: 8-16 XO-1s?, solar power, lock-up, staff meetings every 2 months harder as people/sites expand: working w/ idonethis.com; LEWA wildlife conservancy funding outlook)
8. TK progress:
 - a. Getting to know Terry Gillett in Australia around XO-1 recycling & WiFi best practices.
 - b. George: testing of client-server stuff a Real Challenge!
9. Project BERNIE status (Tony) by "June 27" goal, for completely offline installations -- so deployments get all content from XS:
 - a. Ubuntu bits & duplicate vids dropped
 - b. Arrives as 600GB HDD (contains all, incl Sugar "BERNIE" activity which builds USB

sticks to install XO's / XS, allowing you to click to select which Wikis you want; prereq is router & barebones MSI/Zotac/Shuttle/NUC hardware w/ 4+ GB needing temporary monitor+keyboard)

10. Finalizing summer intern project(s);
Serious volunteer interest rising ! (Akiva, Thad, Alex, Richard..)
11. <your item here>

Thur 10AM EDT Jun 12, 2014 - voice call

(AnishM, BenB, GeorgeH, Holt, JonN, MartinD, TimM, TomG, TTKang)

1. Personal sync-ups: <your quickie update>
2. INDIA FOCUS!
 - a. AnishM returns from ~5 days in http://wiki.laptop.org/go/OLPC_India/Bhagmalpur
 - i. 35 XO's now; some kids have had XO's for over 2yrs now, ramping up news kids!
 - ii. XSCE 5.0 deployed XO-4
 - iii. hw/modem failure issues but 2GB data collected from Bhagmalpur; hopes to work with Anish in coming week analyzing this with XOvis
 - iv. might change ISP's -- 40kbytes/sec on a good day
 - v. *what microcontroller-like solution can boot the server/networking infra every 8am-4pm Mon-Fri etc?*
 - b. Implications for Anish's 3 other anticipated deployments near Delhi? (20+20+100)
3. GeorgeH reports: Hardware issues around as Intel NUC 2.4GHz dual-core Celeron: memory not recognized so trying another manufacture; UEFI/BIOS battle coming.
 - a. Also testing Taiwan's MSI DC111 used in Nepal.
4. TimM reports [XSCE 5.1](#) goals
 - a. ansible restructure ready to test (Tim separated things into logical categories)
 - b. git clone <https://github.com/tim-moody/xsce.git> -b ansible-reorg2 --depth 1
 - c. offline install George looking into a well
 - d. timeout issues during install?
5. BenB working with Curt trying to incorporate code.org into IIAB.
6. MartinD back from Nepal:
 - a. new features added to XOvis over past month: <https://github.com/martasd/xovis>
 - b. Pierre (statistician in Paris) helping advise on useful graphs/comparisons
 - c. https://martasd.cloudant.com/xovis/_design/xovis-couchapp/index.html back online soon
 - d. Martin Dluhos has questions for Anish on pull request merging: will Apr 21 pull request auto-pull the new stuff? Martin confirming but thinks yes? Tim asks for latest version. Martin will doublecheck.
7. TK playing with Android on XO-4 & prep'ing Australia trip.
8. Optimizing (new) Internet-in-a-Box speed on different CPUs, with comparisons to RACHEL & eGranary?
9. Preview of diverse new Haiti projects beginning this summer; in-person volunteer opportunities.
10. <your item here>

Thur 10AM EDT Jun 5, 2014 - voice call (New Time for ASIA!)

(AnishM, BenB, GeorgeH, JonN, SumitA, Holt, TimM, TTKang, TomG, TonyA)

1. Personal sync-ups: <your quickie update>
2. George & Tim making great progress on "[XSCE 5.1](#)"
3. TK/George exploring integrating [ELGG](#) (social networking engine used in Ohio, etc) as an option to modernize XSCE; Tim observes Martin Langhoff prefers NZ's [Mahara](#) ([ePortfolio](#) and [social](#)

[networking](#) web application) for Moodle integration, that TK is familiar with, and <http://www.educause.edu/annual-conference/2013/e-learning-social-learning-open-source-trilogy-moodle-mahara-elgg-paris-descartes-university> tries to compare them all.

4. BenB making progress integrating <http://code.org> lessons into IAB/XSCE etc.
5. Martin Dluhos' <https://github.com/martasd/xovis> visualization tool (visualizes XO Journal backup data collected from OLPC deployments on school servers) progressing for wider usage beyond Nepal, but Martin busy this week.
6. NEPAL FOCUS!
 - a. Content Management System that OLE Nepal requires, for their [E-Pustakalaya](#) digital library especially:
 - i. [Fedora Commons](#) 2.2(.1) -> 3.3 later hopefully
 - ii. [Fez](#) 2.1 -> ?
 - b. Sumit hasn't started working on XSCE yet. Currently exploring the possibilities of upgrading Fedora-commons and Fez. If it seems possible, will try to upgrade with latest version into the XSCE otherwise go with older versions of Fez/Fedora integration.
 - c. Tim interested in testing E-Pustakalaya if he can - for now <http://dev.olenepal.org/NEXC/> appears insufficient to test even a sample (however Tony has scripts he can send, and 32GB full contents snapshot from late 2013, and others are testing E-Pustakalaya in India).
 - d. Tony (who works on CentOS) will write up how this all fits together, by end of June.
 - e. Thurs July 3rd will be our next Nepal-focused conversation to help Sumit & Basantha (OLE Nepal staff) where we can. Implementation is expected in Western Nepal perhaps late summer. Hardware should be: MSI.com's DC111 with Celeron 1.8GHz, 500GB HDD, 2GB RAM and USB3. Bonus: the price remains just over \$200 Nepal street price, just like its slower (1.1GHz Celeron) DC110 predecessor!
7. Tony requests help surviving UEFI secure boot - TomG suggests: https://fedoraproject.org/wiki/How_to_create_and_use_Live_USB
Tony trying to support non-command-line uses of Project BERNIE, ARM-compatibility codec concerns Jon advises on.
8. Pub night in Boston last night with Martin Langhoff and many other OLPC Alums hints at ongoing changes with Uruguay's Plan Ceibal and the wider movement.
9. <your item here>

Thur 10AM EDT May 29, 2014 - voice call (New Time for ASIA!)

(AnishM, JonN, GeorgeH, Holt, TTKang, TomG)

1. Personal sync-ups: <your quickie update>
2. Would like to discuss how we can pickup the coding/development
3. Related to above - Attracting more volunteers
4. Malaysia's active experimentation with LMS ATutor.ca + social network ELGG, with large SD cards each kid personally preserve/protects in their hands as their datastore.
5. Adding stuff like that on the XSCE for content management: get-simple.info (TK)
6. <your item here>

Thur 10AM EDT May 22, 2014 - voice call (New Time for ASIA!)

(AnishM, BasanthaS? GeorgeH, Holt, JoanneC, JonN, MarkB, TimM, TTKang, Satellit ..)

1. Personal sync-ups: <your quickie update>
2. *Is this call still on schedule?? YES. Would like to be a part - Anish (Adam knows my skype)*
3. Fascinating/heartbreaking/touching NY Times 8min documentary on remote implementation

realities beyond all the hype, in Peru here:

<http://nytimes.com/2014/05/20/opinion/wiring-the-amazon.html>

Contrast this to when learning/mentoring works @ Zambia Kids Centre:

<http://olpcMAP.net/?id=5891673196331008>

4. Nepal's dramatic progress, changing approach(es), immediate needs
5. Haiti's imminent needs across many regions; Malaysia evolving needs (TK updated us on: Mobile Learning Chest, SD card, olpc.asia ordered 150 XO-4 Touch..); Kenya HW needs!
6. India & West Bank upcoming opportunities?
 - a. India - National Repository of Open Educational Resources <http://nroer.gov.in>
(*might* be room for collaboration here in the mid term)
<http://www.metastudio.org> CC-by-SA license FB like tool (each chapter, Grade 1 to 12!)
 - b. West Bank - <http://comet-me.org>
7. JonN on client/server hardware possibls like \$~140:
<http://www.archos.com/us/products/themed/arcbook/specs.html>
8. Summer interns' testing/implementation choices:
 - a. Fact-checking & clarifying http://wiki.laptop.org/go/XS_Community_Edition/FAQ
 - b. http://wiki.laptop.org/go/XS_Community_Edition/Microtasks
 - c. http://wiki.laptop.org/go/XS_Community_Edition/Features#Features_Planned
9. XSCE 5.0 and 5.1 installation/usability/documentation needs --- prioritizing + enlivening above targets for fresh volunteers and veterans all
10. Internet-in-a-Box possibilities Curt Thompson may take on? (update Thur June 5)
11. <your item here>

[3-4 weeks off while Holt/TimM in Nepal/Israel/UK etc]

Thur 10AM EDT Apr 17, 2014 - voice call (New Time for ASIA!)

10. Personal sync-ups: <your quickie update>
11. <your item here>

Fri 10AM EDT Apr 10, 2014 - voice call (New Time for ASIA!)

{ChrisK, Holt, Lionell, MarkB, SimonM, TonyA...}

1. Personal sync-ups: <your quickie update>
2. KENYA FOCUS! With 3 special guests Simon Mwangangi, Chris Kakoba, Mark Battley.
 - a.
3. <your item here>

Thur 10AM EDT Apr 3, 2014 - voice call (Nepal)

(BasantaS, GeorgeH, Holt, JonN, TK Kang briefly, MartinD, TimM...)

1. [OLE Nepal](#) Focus! (1st Thur of every month)
2. Personal sync-ups:
 - a. BasantaS:
 - i. plans for XSCE in later months
 - ii. not possible now (human resources)
 - iii. XO-4 client images focus today -- and (Sumit Acharya's?)integrating diff content onto existing content
 - iv. IIAB integrated/ing; "Reading Book" shows updates of English texts, read out loud, targetting primary kids in offline server
 - v. NEXS content-integration diff/challenges: Fedora Commons & Fez / Fedora

versioning most time-consuming parts?

- b. MartinD:
 - i. XOvis (<https://github.com/martasd/xovis>)
 - 1. Data visualization HTML/Javascript application stored in CouchDB -highchart:
https://martasd.cloudant.com/xovis/_design/xovis-couchapp/index.html
 - 2. Installation tested in 3 (offline) schools in Nepal using a bash script
 - 3. deploy_xovis.sh- script to install the app
 - 4. Plans to convert to ansible to integrate with XSCE
 - ii. sugar-stats-server
 - 1. XSCE repo moving from <http://xsce.activitycentral.com> (down) to <http://download.unleashkids.org/xsce>
 - 2. difficulty installing on NEXS (based on CentOS 6.4)
 - 3. ended up compiling Xapian bindings for Python required by python-xappy, which weren't installed as dependency
- c. MarkB:
 - i. Kenya Renaissance: 12 schools, 200 computers, expanding to 5 staff now
 - ii. School magazines/site being created
- 3. <your item here>
 - a. New Integrations: OSM, Wikipedia, Reading Books
 - b. XO-1 not being able to handle new range of contents being integrated.
- 4: Able to start wlan0 on CuBox-i4P with "ifconfig wlan0 192.168.1.1 "
 - a: http://wiki.sugarlabs.org/go/Sugar_Creation_Kit/sck/Advanced_Topics#TESTS

Thur 10AM EDT Mar 27, 2014 - voice call (New Time for ASIA!)

(BenB, GeorgeH, Holt, JonN, TimM, TK Kang, TomG, TonyA later)

- 1. Personal sync-ups:
- 2.
 - a. BenB: another service learning trip being planned to Haiti, by French language coordinator/curator at his university; also <http://code.org> action which is very high-quality
 - b. GeorgeH: Cubox testing advancing with Tim's build.
 - c. TimM: Cubox maintainer Russell King's input helping -- elegant new approach?
 - d. TomG: trying to help Alex Kleider w/ Cubox / WLAN mode etc [read notes @ [Advanced_Topics#CuBox-i4](#)]
 - e. JonN: advising TimM & GeorgeH on filesystem strategies.
 - f. KA Lite in Malaysia? Nothing plan yet but we are visiting and doing a mobile Open Learning Chest (mOLC) during Easter to see if we could get more Orang Asli children have exposure to XO and the XSCE resources. See <http://olpcbasecamp.blogspot.hk> on the network we have currently. TimM endorses escalating "SD Card Registration" feature request from XSCE 6.0 to 5.5 within http://wiki.laptop.org/go/XS_Community_Edition/Features
 - g. Possible new volunteers in Calif, Washington, Africa.
 - h. BERNIE's content taxonomy? (See [Basic View](#)). Alongside eGranary, OLE, KA Lite (visualizations etc) & Haiti's immediate needs.
 - i. New Mesh Potato (router \$40 w/ OpenWRT & custom firmware) will guarantee 35 connections & new topology "to turn off ejabberd for better in-class collaboration" (villagetelco.org, via TerryG/TonyA)
 - j. <your quickie update>

3. Appliance choices, meeting real-world needs of our many IIAB/eGranary-like users:
 - a. Asking for an immediate out-of-box-experience across 10+ simultaneous Wifi connections
 - b. Considering the most simple set of customizations:
 - i. Language?
 - ii. RTC system clock?
 - iii. Content auto-index on attached/permanent USB drive or memory stick
4. Solar controller demo scheduling w/ promising new volunteers?
5. XSCE.activitycentral.com down since Monday? contingency planning if nec:
 - a. download.schoolserver.org ?
 - b. download.unleashkids.org ?
 - c. Release 5.1 supporting new more reliable download site?
6. Schoolserver on Cubox-i4 -see "TESTS" section
http://wiki.sugarlabs.org/go/Sugar_Creation_Kit/sck/Advanced_Topics#CuBox-i4
7. Calendaring April / May Thursday meetings, espec Finalizing "Nepal's" April 3rd timing in 1 week!
8. <your item here>

Thur 10AM EDT Mar 20, 2014 - voice call (New Time for ASIA!)

(GeorgeH, Holt, JerryV, JonN, TimM, TomG)

1. ARM vs Intel CPU/packaging discussions inspired by Tim/Braddock; "Cubox/ARM moving strongly forward (Newegg etc) with healthy competition from Intel; XSCE Ansible modularization allowing us a very future-proof strategy across many futures, ARM, Intel [NUC hype](#) and others."
2. TimM's [new 4GB images](#) helping George; see documentation @ <https://github.com/XSCE/xsce>
3. TomG: http://wiki.sugarlabs.org/go/Sugar_Creation_Kit/sck/Advanced_Topics#FC20forXSCE.zip
4. Jon Nettleton explaining "pure open-source laptop" emerging: (Novena, XO laptop futures, what XO-1.75 board were supposed to be?)
 - a. http://www.kosagi.com/w/index.php?title=Novena_Main_Page
 - b. Intended mkt: high-end geeks+programmers (alignment with 2nd/3rd world educ?!)
 - c. Crossover motherboard possibilities with original XO laptop or beyond?
5. In general, Nettleton focusing on [OpenBricks](#) OS beyond bulky Fedora-like distros: real small, real fast, low-mem (more customizable for our legit needs?)
6. AU's XO images enhancing with [Sugar 0.100+](#), but will the underlying [OLPC Release 13.2.0](#) be revised at some point?
7. Nepal focus in 2 weeks (Apr 3rd call, tentatively 10AM EDT)
8. <your item here>

Thur 10 AM EDT Mar 13, 2014 - voice call (New time for ASIA!)

(BasantaS, BenB, BobP? GeorgeH, Holt, TimM, TK Kang, TomG, TonyA)

1. Personal updates
 - a. Tim: wireless bridging technology to save 100m of cabling betw Wifi APs (for Silar's in Haiti, even if less relevant to Nepal given their current Shared Model)
 - b. George: charge-control monitor for lead-acid battery (w/ shield circuit board, betw solar panel, charge controller etc)
2. Tested XSCE on this device as AP: <http://www.modem3g.com/huawei-af23-lte-sharing-dock.html>
 It says it can support 31 connection. Connections work but I get 192.168.8.2 IP on my XO. Need to type <http://schoolserver.lan> to get into XSCE portal. (TK)
 - a. Less Curricular Approach!
 - b. Compare <http://ustadmobile.com> currently being deployed in Zambia by Mike Dawson of

OLPC Afghanistan

3. <http://OLEnepal.org> content approach across their ~80 school servers
 - a. NEXS uses XS 0.7 rebased from CentOS 6.2 to 6.4 (Mr Sumit Acharya, currently in field) using schooltool.org and “ fez ” library interface/engine (Fedora Commons, git issues w/ new releases). Priorities: OpenStreetMaps & searchable Wikipedia, so this fits into offline <http://pustakalaya.org> framework. 80+% of content is still Flash; there are dreams of converting to HTML5/Javascript (starting with secondary grades). Martin Dluhos working on pictorial representations of data, for principals, donor & beyond? Karma LMS? Download from Mercurial: <http://hg.olenepal.org>; download NEXO & NEXS from: <http://dev.olenepal.org>
 - b. K-Lite yeah but language problems (Khan Academy vids language issues serious).
 - c. As an inspiration for IIAB/BERNIE-like growing repository of content/lessons for Haiti?
 - d. Nepal visit planning Apr-May.
 - e. Solar action @ 10 schools: can George Hunt's circuit save schools money+hassle? Investigation Apr 23-May 13 when veteran volunteers will be in Nepal from across the OLPC community.
 - f. Proposal to meet at this time 1st Thurs of every month with a Nepal focus, so that XSCE 6.0 serves Nepal's needs etc:
 - i. changing 10AM NYC Time on that day if nec, given Nepal load-shedding (Basanta will check schedule of Kathmandu's schedule of electrical grid outages)
4. Hardware progress
 - a. Cubox progress, beyond RTC?
 - b. Intel 2820 TonyA's experimenting with
5. <your item here>

Tue 12 PM EST Mar 4, 2014: #schoolserver @ <http://webchat.freenode.net>

1. New Cubox kernel
2. 5.1 ongoing work
 - a. http://wiki.laptop.org/go/XS_Community_Edition/Features#Features_Planned
 - b. what are people working on
3. <more items>

Thur 10 AM EST Feb 27, 2014 - voice call (New time for ASIA!)

6. Personal updates
 - a. Holt - Los Angeles ScaLE conference report! Haiti's own version of Tony Anderson's BERNIE, similar to Paris' Libraries Without Borders?
 - b. George - hard at work on solar battery electronics & similar
 - c. Tom - asking about VM's distributed by AC
 - d. Tim - making progress defining XSCE 5.1, discussing Kenya with Mark Battley
 - e. TK - see below!!
7. TK Kang's quite amazing success deploying XSCE+IIAB for 44 kids (38+1+1 XO-1.75s) in very rural Malaysia:
 - a. 5.0 on Zotac box with 4G ram and 1T storage (US\$250) ready for dLEAP deployment in Malaysia this weekend. Tested with IIAB and things seems to be much faster from my SD experimentation. Thank you all.
 - b. ssh or OpenVPN access hopefully coming soon.
8. <your item here>

Tue 12 PM EST Feb 25, 2014: #schoolserver @ <http://webchat.freenode.net>

4. LA updates
5. New Cubox kernel
6. 5.1 ongoing work
 - a. http://wiki.laptop.org/go/XS_Community_Edition/Features#Features_Planned
 - b. what are people working on
7. <more items>

Thur 10 AM EST Feb 20, 2014 - voice call (New time for ASIA!)

{BenB, CarylB, DanishkaN, GeorgeH, Holt, JerryV, JonN, MarkB, TimM, TomG}

1. Personal updates:
 - a. Tim: Wifi testing continuing; [XSCE 5.1](#) planning
 - b. Jon: Cubox update & [UDOO](#) suggestion for integrated Arduino solar/battery monitor?
 - c. George: soCalLinuxExpo.org Booth prep = Cubox + solar-battery monitoring
 - d. Danishka Navin: Mozilla's Webmaker.org tool or similar to gather content from kids/teachers worldwide
 - e. Mark Battley: Kenya picking up strongly, separate but alongside govt's 1.2M laptops (\$286M)
 - f. Tom: Khan ogv work progresses.
2. [XSCE 5.1](#)
 - a. Features [Discussed](#) Tues Feb 18
 - i. offline installs plausible!
 - b. Proposed [Road Map](#)
 - c. High-level [Feature Prioritization](#) across versions
3. [LA Expo](#) Feb 21-23 Final Approach:
 - a. Pre-show outline of "BERNIE" if Tony Anderson has time?
(IIAB spinoff "Basic Education Resources Needed for Innovative Education")
 - b. IIAB sync-up prior to meeting in person this wk?
 - i. keyword search maturity
 - ii. localization realities vis-a-vis Khan Academy & other content
 - iii. testing contribution we can each offer?
4. DEFERRED: XSCE 5.0 on Zotac box with 4G ram and 1T storage (US\$250) ready for dLEAP deployment in Malaysia this weekend. Tested with IIAB and things seems to be much faster from my SD experimentation. Thank you all.
5. Better news on XO parts ordering??

Tue 12 PM EST Feb 18, 2014: #schoolserver @ <http://webchat.freenode.net>

1. Does <https://wiki.debian.org/MeetBot> need tuning, on #schoolserver text chat? (Tim/Anish/Anna could not get mtg transcripts working back on Tues Feb 11)
2. Wishlist for [XSCE 6.0](#)
 - a. http://wiki.laptop.org/go/XS_Community_Edition/Features
 - b. [IIAB](#) update @ [LA's Linux Expo](#) next week Feb 21-23? (below)
 - c. <https://github.com/PathagarBooks> status?
3. Are we ready to colorfully promote [XSCE 5.0](#) on the right side of <http://schoolserver.org> = http://wiki.laptop.org/go/XS_Community_Edition ?
4. Intern Ideas:
 - a. integrate an add-on function into XSCE 5.0 in Ansible by porting George's ezadmin or at

- least the OpenVPN part to XSCE?
- b. help evaluate the relative capabilities of the new server hardware options, such as Cubox and NUC DN2820 by developing two simulators:
 - i. a client that pulls random content from IIAB
 - ii. a revived version of hyperactivity that simulates ejabber or XMPP traffic
- c. solar/battery [electrical monitor](#) GUI, that works on XO laptops and/or Node.js vs. PHP? (Priceless for local/remote administration of microdeployments, if we can get it to work.)

Transcript within: <https://sugardextrose.org/issues/4943>

Thur 10 AM EST Feb 13, 2014 - voice call (New time for ASIA!)

{BenB, CarylB, GeorgeH, Holt, JonN, SoraET, TimM, TTKang, TomG}

1. Status Update - what's everyone doing?
 - a. TK: Malaysia/China updates, speed questions, Squid cache filling SD card?
 - b. George: OpenVPN - Amazon & AC possibls for TK's 40 XO-1.75s. Working on printed Arduino shield circuit boards, that'll record when AC power on/off (and much more) fed thru to server. Enabling graceful shutdowns to protect battery systems! Thermometer too?
 - c. Tim: consider "[munin](#)" perf stats (vs use stats). George considered munin using too much CPU? Tim: should these be on-demand graphing instead? Tim's intensive testing in Toronto now unable to reproduce Haiti Wifi failure.
2. [WiFi failures](#) among large number of XO-1s: *Terry Gillett, James Cameron, Tim Moody help identify a [kernel root cause](#) and [proposed fix](#) after 6 years! What testing's most needed for HaitiOS & similar? How to document beyond [Wifi Troubleshooting Guide](#) and [12757](#) ? Anyone tried lightweight [DKMS install](#) on XO-1s? Tim Moody working on rolling this up for [HaitiOS](#) & similar.*
3. Cubox update: Jon closing in on 3.10 release w/ Russell. Closing in on MMC layer bugs. DMA/config too. Resolves Wifi stability probs, bonus. Rebasing on newer patches, ready for testing very shortly, before LA's ScaLE conf, perhaps even Valentine's Day :}
4. Less-filtered Internet access for Haiti tutors/mentors on the same AP? How to enable full web access (iptables?) based on MAC address? George researched this and believes he can make this work, with Anna if nec. Later dreams: Passworded URL? Ideally expiring after 2 hours?
5. TK Kang did not get a chance to ask this Q last week: Testing XSCE 5 with Dextrose Ubuntu Soas - the browser does not resolve <http://schoolserver> or <http://schoolserver.lan> unlike other Soas ? George suggest: turn on OpenVPN so he/others can help diagnose?
6. Variable Override - PRs 105, 115 and comments from German Ruiz (many proposals: design conversation w/ ansible experts will pull this together, perhaps Tuesday Feb 18 Noon EST)
 - a. Tim proposes `./vars/override_vars.yml`
 - b. How do we better help Nicaragua's [Fundacion Zamora Teran](#)'s German Ruiz w/ XSCE 5.0? <http://lists.laptop.org/pipermail/server-devel/2014-February/007157.html>
7. Fixes for XSCE 5.1
 - a. PR 117 (just solved today)
 - b. auth db init fails when ansible rerun
8. Wishlist for [XSCE 6.0](#) [DEFERRED TIL NEXT WEEK]
 - a. http://wiki.laptop.org/go/XS_Community_Edition/Features
 - b. [IIAB](#) update @ [LA's Linux Expo](#) next week Feb 21-23? (below)
 - c. <https://github.com/PathagarBooks> status?
9. Los Angeles prep, 1 week away from our arrival @ <http://socallinuxexpo.org/scale12x/schedule> (they request an XSCE logo if folks have ideas!) Draft Banner will appear like this but also

mention "School Server Community Edition / schoolserver.org" :

<https://www.dropbox.com/s/a6ylyvqylbd2snz/BannerInProgress.pdf>

10. DEFERRED: Are we ready to colorfully promote XSCE 5.0 on the right side of <http://schoolserver.org> = http://wiki.laptop.org/go/XS_Community_Edition ?
11. Does <https://wiki.debian.org/MeetBot> need tuning, on #schoolserver text chat? (Tim/Anish/Anna could not get mtg transcripts working back on Tuesday)
12. TK: Hope to prepare a XSCE 5 for a plug & play connectivity next weekend (Feb 22/23) in Malaysia to serve 40 XO 1.75. Did some familiarization/testing with XSCE 1,75 with XSCE 5 running on a 8G SD card. Stable but squid swap.state suddenly grow very large with lot of disk activity :-). Screen scroll endlessly. Advice for tuning without turning squid off? (have a OLPC night meeting - hope I can be back for this meeting). Yes.. any update for better IIAB performance as I hope to plug the version I have into the XSCE!
13. Which electrical components can bring meaning to off-grid deployments, like \$99 2-channel meter Mooshimeter <http://lists.laptop.org/pipermail/power/2014-February/000210.html> ? A great-looking portable unit, but spaghetti wiring etc make shite less relevant to Haiti-style long-term monitoring/installation. --George
14. Khan .ogv files play in jukebox in 13.2.0 on XO-4; XO-1.75; XO-1.5 from USB. XO-1 not tested. http://wiki.sugarlabs.org/go/Sugar_Creation_Kit#Khan_Academy_videos_in_OGV_format
Tom Gilliard will email Tony Anderson regarding possible inclusion in BERNIE (IIAB spinoff "Basic Education Resources Needed for Innovative Education")

Tue 12 PM EST Feb 11, 2014: #schoolserver @ <http://webchat.freenode.net>

{Anish, Anna, Holt, Tim met briefly; deferred til Thur}

Thur 10 AM EST Feb 6, 2014 - voice call (New time for ASIA!)

{AnnaS, BenB, JonN, MartinD, Holt, TimM, TK Kang, TomG}

1. Haiti deployment brain dump (all too much feedback after visiting 8 schools & orphanages over the prior 3 weeks!)
2. Beyond the 4 XSCE installations we now have running in Haiti (v0.4 and v5.0) on 4 different kinds of server hardware -- truly great strides and online connections (while flaky) to at least 3 of these 4 schools/orphanages -- will provide us great insight in coming months.
3. Very confounding Wifi: while connecting initially, large numbers of XO-1s fail to (re?)associate with Village Telco / Mesh Potato and other AP's. Even while larger numbers of XO-1s connect very successfully to TP-Link 3020 AP; and can see Android phone AP's. 802.11s mesh networking cannot be the only root cause, but might turning off mesh and/or setting the channel to 9 mitigate the worst problems? Martin Dluhos reporting similar results in Nepal, and should report back the AP brand & model #. *Terry Gillett has tested in fantastic detail over the past week, with ~10 XO-1s vs. XO-1.5s, since his return from Cambodia (with assistance from George Hunt, Tim Moody, James Cameron) and should be posting publicly his/their theories in the coming week!*
4. Cubox update from Jon Nettleton: blockbuster sellout on Newegg etc; his own will arrive tomorrow? Bodes very well for long-term support of this category!
5. "XO-5" 3rd party Laptop/Netbook dreams as tablet screen breakage rates (among young boys especially) very high...
6. XO-1 black splotch/spots on up to 10% of screens: [can Martin Dluhos circulate photos for Nettleton/Jepsen/etc?](#)
7. XO laptop parts concern mounting: *should we contact Ceibal to see if they have a buffer of saleable parts?*

8. Video questions from Ben Burrell: IIAB's Khan Academy vids too herky-jerky on XO-1s, but much better on XO-1.5, XO-1.75 & XO-4? TK compares rising expectation of video on ubiquitous tablets.
9. TK testing XSCE 5.0..with 40 XO-1.75s + IIAB in 2wks in Malaysia? Greatly concerned about speed of IIAB. Can TK provide feedback to inform our large community meeting in LA in 2 weeks with Braddock Gaskill & all? <http://www.socallinuxexpo.org/scale12x/schedule>
10. Whitelisting http (works) & https (much harder) sites for the youngest kids in Haitian orphanages, eg. educators love <http://translate.google.com> (and sometimes lenouvelliste.com & voanouvel.com) even when they "do not permit the Internet" !
11. Did not get a chance to ask this Q: Testing XSCE 5 with Dextrose Ubuntu Soas - the browser does not resolve <http://schoolserver> unlike other Soas ? (TK, deferred til next week)

Tue 12:15 AM EST Jan 21, 2014 = #schoolserver @ <http://webchat.freenode.net>

1. Release or not release?
 - a. Release! 5.0 is out > <https://github.com/XSCE/xsce/releases/tag/5.0>

Log: <https://sugardextrose.org/issues/4932>

Thur 10 AM EST Jan 16, 2014 - voice call (New time for ASIA!)

{AdamH, AnnaS, BenB, CarylB, GeorgeH, JonN, TimG, TimM}

1. Six of us will soon be in Haiti implementing [XSCE 5.0](#) (*) and [HaitiOS 0.7](#) at a number of orphanages and schools, and would love to compare notes before we jet. We'll include a [Village Telco](#) (wifi access points) and [Cubox](#) (discount ARMs server) hardware reports!
2. We'll also discuss streamlining integration options with the [upcoming Internet-in-a-Box](#) digital library we hope to help showcase at the 12th annual Southern California Linux Expo (SCaLE), where many OLPC community deployment implementers be attending [Feb. 21-23, 2014](#) (details emerging below!)
3. (*) XSCE 0.5 was renamed 5.0 if I follow Tuesday's irc chat meeting correctly (minutes @ <https://sugardextrose.org/issues/4929>) in order to avoid imminent confusion with the installed base of [XS 0.6 from Oct 2009 and XS 0.7 from Jan 2012](#). Regardless whether the next version will be 5.1, 6.0 or 50.0, a [5.0 "Spanish" poster](#) has already leaked out ;) in proud anticipation of the full release and announcement soon, now that XS Community Edition is almost 1.5 years old!
Consensus confirmed during our voice meeting: all
wiki.laptop.org/go/XS_Community_Edition/0.5/* pages moved to [5.0/*](#) (as usual, you can reach these same pages @ http://schoolserver.org/5.0/*)
4. **SCaLE 12X** right by Los Angeles' LAX airport, Caryl's leading: (a) We will have a booth for OLPC 2.0. Need new banner, schedule, plans etc. (b) maybe a BOF on Friday evening would be good after all (c) need help with new "Coders' Corner" room... a place for non-techie people of all ages to try their hand at doing some coding. We can have some XO-1s and XO-1.5s with Scratch, Etoys, Pippy, etc. This will be a totally new event for SCaLE and tentitively will run Saturday and Sunday,
5. <add your item here>

Tue 12 AM EST Jan 14, 2014 - #schoolserver @ <http://webchat.freenode.net>

1. 0.5 -> 5.0 release
 - a. ajenti pr
 - b. other issues?
 - c. wiki
2. Branches for deployments, like Haiti? Consensus: forks better for deployment language

(content?) customizations.

3. Versioning number: jumping to 5.0 today much preferred

Log: <https://sugardextrose.org/issues/4929>

Thur 2 PM EST Jan 9, 2014 - voice call (OLD TIME due to USA conflict this week only!)

{AdamH, AnnaS, BenB, CurtT, GeorgeH, TimM}

1. Amazing [E4D \(Energy for Human Development\)](#) microgrid insights / background papers:
<https://www.dropbox.com/sh/8xb7ne1ag3vve62/Rtk64X1Ua6>
2. Our XSCE 0.5 servers are now close to deployment on \$100+ Cubox, \$200+ ARM XOs and \$400 i3-based Dell Inspiron 660s:
 - a. Which do we choose to implement across so many Haiti schools starting later next week?
All 3 CuBox-i4Pro should at last be in hand Friday Jan 10th, while XO-4's tried & true -- do we think about taking 2+ of both to Haiti or what?
 - b. Alignment with HaitiOS 0.6.X making (more!) tremendous strides:
<http://wiki.laptop.org/go/HaitiOS>
 - c. George migrate HaitiOS to xo1.75
 - d.
 - e. Along Sora's proposed 12-week lesson planning!
 - f. <http://VillageTelco.org> progress from Tim Moody, who's received 4-unit shipment
3. IAB full-text-search release delay announced Jan 8, 2014: what choices remain?
4. *Assessing Assessment (& lower-level HW/SW/Network monitoring), with one week left before many of us leave to Haiti:*
<http://lists.laptop.org/pipermail/server-devel/2014-January/thread.html#7072>
5. OpenVPN policies that protect the privacy of all kids: giving parents/principals/kids the Full Story on where their personal data is going, and very real intl risks to online servers as the years progress.
6. Examination of XSCE 0.4 testbed (Dell Latitude D800) we've "found" in Haiti: 7PM call later today!
7. "LAX" IAB Sprint proposal Feb 20-25: <http://www.socallinuxexpo.org/scale12x/schedule> & IAB
8. <your item here>

Thur 10 AM EST Jan 2, 2014 - voice call (NEW TIME to welcome Asia!)

(AdamH, AnnaS, BraddockG, CarylB, CurtT, GeorgeH, JonN, MartinD, TomG)

1. Nepal Sugar Journal - data extraction script by Martin Dluhos, currently for NEXS based on XS 0.6:
 - a. <https://github.com/martasd/xo-stats> uses JSON -> .csv's
 - b. <https://github.com/martasd/xo-stats/blob/master/README.md>
 - c. Stats visualization -- which ones? "going with Google Charts, which will work offline"
 - i. Desktop: SOFA, LibreOffice Calc
 - ii. Online services: Datawrapper, Many Eyes, Google Charts, Google Fusion Tables
 - iii. Javascript frameworks: InfoVIS, HighCharts, D3.js
 - d. Comparison to Leotis Buchanan's work in Jamaica?
 - e. Comparison to <http://wiki.sugarlabs.org/go/Harvest> ?
 - f. Comparison to AC.com's DX4 (intl build?) .csv's
 - g. Comparison to [Hyperactivity](#) Tim can explain now that he understands ejabberd better
 - h. Jan 2nd 2014, writeup comparing many: <http://olpcSF.org/node/204>
2. XSCE 0.5

- a. status beyond RC 1:
<http://lists.laptop.org/pipermail/server-devel/2013-December/007031.html>
 - b. what HW/VM "support" is wanted on right-side of <http://schoolserver.org> ?
 - c. http://wiki.laptop.org/go/XS_Community_Edition/0.5 site/announcement evolving?
3. Internet-in-a-Box integration:
 - a. Braddock's IIAB 0.5.7 driving questions:
<http://lists.laptop.org/pipermail/server-devel/2013-December/007056.html>
 - b. mDNS built into <http://wiki.laptop.org/go/HaitiOS> etc? XSCE "appliance" mode?
<http://lists.laptop.org/pipermail/server-devel/2013-December/007059.html>
 - c. Anna's struggle; Tim's success; Curt/George's imminent tale-of-the-tape?
4. Cubox/Dell/XO-4/Trim-Slice "battling" for Haiti dominance (odd but true!)
 - a. George's comprehensive update
 - b. Tim's Wifi progress considering Village Telco & others
 - c. Curt's QA?
5. Collaboration betw Sugar (especially) activities:
 - a. XS Pedagogy reality check -- Where exactly are we helping?
 - b. What can we improve? For teachers too?
 - c. What efforts need to be highlighted better for an XS(CE) Learning Community to take root?
 - d. http://wiki.laptop.org/go/XS_Community_Edition/0.6/Sprint
 - e. Caryl Bigenho/George Hunt recommend Travelodge 1 block away, very affordable!
6. <your item here>

Thur 10 AM EST Dec 19, 2013 - voice call (NEW TIME to welcome Asia!)

(AnnaS, GeorgeH, TimM, TomG, JonN, AHolt, TKKang; others sleeping ;)

1. XSCE 0.5 RC/Beta testing
 - a. Tim 0.5 RC ANNC
<http://lists.laptop.org/pipermail/server-devel/2013-December/007031.html>
 - b. Doc vitals beyond http://wiki.laptop.org/go/XS_Community_Edition/0.5/Installing & <https://github.com/XSCE/xsce/tree/master/docs> ?
 - c. Dreaming that wiki(.laptop.org) might auto-pull & display docs from <https://github.com/XSCE/xsce/tree/master/docs> ?
 - d. Please help test this and file bugs at <https://github.com/XSCE/xsce/issues?state=open>
 - e. http://wiki.sugarlabs.org/go/Sugar_Creation_Kit/sck/Advanced_Topics#XSCE_in_VirtualB_OX
 - f. RPi image?
2. IIAB 0.5.x status for XSCE 0.5; Anna's early Dec concerns about compatib?
 - a. Need for a new IIAB image/drive suitable for the coming months! (regardless of Wikipedia full-text search?)
 - b. Holt & others will follow up, in response to valid concerns like Braddock's
<http://lists.laptop.org/pipermail/server-devel/2013-December/007028.html>
 - c. "Competition" on the low-end from 32GB digilibary Rachel <http://pi.worldpossible.org>
 - d. Desire for IIAB-focused XSCE sprint near LAX Feb 25-28
3. Intermittent Power is the Norm in developing countries:
 - a. George's argument in favor of a single server unit, driven by a 5-12V battery/inverter that thrives serving the entire schoolday, using as little as 1-2 hours of "grid" power per day
 - b. Tim's argument in favor of less centralization -- freeing up multiple units (Raspberry Pi style units come & go with the weather, as nec) instead of 1 centralized XS(CE)

- c. Compromise/Hybrid approach a couple devices via Power-over-Ethernet over 300ft or so??
 - d. Jon: search Amazon for "power bank 10000mAh" -- can any \$30 unit charge itself 2hrs??
- 4. While Cubox Quad orders proceed for Haiti (3 units shipping from <http://cubox-i.com/table> to Canada/USA) backup/larger hardware is also en route, emulating 23 similar servers being deployed @ OLE Nepal (these MSI units described @ <http://lists.laptop.org/pipermail/server-devel/2013-December/007036.html>). George will order one of these or similar for Haiti in coming days:
 - a. <http://amazon.com/ZOTAC-Intel-Barebone-Mini-PC-ZBOX-ID41-U/dp/B004WO8O9Y>
 - b. <http://amazon.com/Shuttle-DS61-V1-1-LGA1155-Barebone/dp/B00BFOFA78>
 - c. Benchmarks! <http://notebookcheck.net/SoC-Shootout-x86-vs-ARM.99496.0.html>
 - d. TK's Celeron w/ fan 2GB / 320GB unit < \$400 but has older CPU & insufficient disk: <http://amazon.com/Zotac-Celeron-Dual-Core-Barebone-ZBOX-ID81-PLUS-U/dp/B007TIV7IK>
 - e. Strong sentiment towards Zotac ID82 incl/ Intel i3 and 4GB, IF we can buy 1 TB HD eSATA drive separately!
 - f. Tom's \$219 <http://utilite-computer.com/web/utilite-pro-specifications> just arrived but appears to lack eSATA & USB3
 - g. Haiti clientside context? <http://wiki.laptop.org/go/HaitiOS> becoming much friendlier for kids -- and good news from CJL (Sugar Labs Translation Coordinator) about Trip Advisor funding for translation now advancing
- 5. Jon reviews Fedora 18's imminent EOL / End-of-Life (support ends "a month following final release of F20" that just occurred Dec 17, 2103)
 - a. Need: Long-Term Support; vs. serious concern about RHEL 7 ~= CentOS 7 lacking ARM
 - b. Claim: We can live with the departure of RPM, but Fedora adding too many desktop features no longer relevant to our servers
 - c. Promising Alternatives: Debian? Linaro? Yocto?
 - d. <http://en.wikipedia.org/wiki/PackageKit> allowing simpler choice of distros?
 - e. Ansible supports many packaging schemes
<http://www.ansibleworks.com/docs/modules.html#packaging>
- 6. Nepal XS(CE) progress/direction including Lauren Yanks' new Kathmandu deployment with Martin Dluhos; Indonesia progress via http://wiki.laptop.org/go/Contributors_program; China XSCE dep?
- 7. Next voice meetup in 14 days, Thurs Jan 2nd, 2014 after the holidays, *happy new year!*

Tuesday 12 PM EST Dec 17, 2013 - #schoolserver @ <http://webchat.freenode.net>

- 1. Release Candidate 0.5 ready to tag?
 - a. Any issues?
 - b. RPM?
 - c. Release Notes

Thur 12 AM EST Dec 12, 2013 - #schoolserver @ <http://webchat.freenode.net>

- 1. XSCE 0.5 Release Candidate / Beta status
 - a. Remove pathagar rpm (miguel)
 - b. Update docs
 - i. Add README.fsck to our documentation
 - ii. Add --enable-repo to release notes, for arm upgrades from 0.4 to 0.5
 - iii. Add dummy xs-config 0.5 to xs-extra

iv.

Thur 10 AM EST Dec 12, 2013 - voice call (NEW TIME to welcome Asia!)

(George Hunt, Tim Moody, Jon Nettleton, Tom Gilliard, TK Kang, Adam Holt; missed Anna, Jerry, Martin)

1. XSCE 0.5 Release Candidate / Beta status
 - a. See Tues targets (now colored) below, late additions testing well --Tim Moody
 - b. Testing against diff HW: XO-1.5/1.75/4 by Anna? 64-bit vbox by TMoody?
 - c. Install Clear? http://wiki.laptop.org/go/XS_Community_Edition/0.5/Installing
 - d. IIAB integration clarified in FAQ? http://wiki.laptop.org/go/XS_Community_Edition/FAQ
2. Hardware Updates:
 - a. \$120 Cubox Quad imminent shipping update from Jon Nettleton
 - i. http://www.alibaba.com/product-gs/604713641/2_5_3_5_5_25.html 's heat dissipation (2.5 drive especially) questioned / explained for Haiti
 - ii. 2+1 shipments desired very shortly, Jon will confirm realistic timeframe, targeting Quad Core here: <http://cubox-i.com/table/>
 - iii. F18 running; SMP debugging not a concern
 - b. Tony Anderson cableTV-oriented small desktop/beigebbox suggestions beyond? <http://lists.laptop.org/pipermail/server-devel/2013-December/thread.html#7012>
 - i. Tom Gilliard speaks highly of \$400-600 i5-based <http://www.fit-pc.com/web/purchasing/order-intense-pc/>
 - c. Hong Kong update from TK Kang on other hardware tracks?
 - i. eager to test Cubox Quad or similar for China XSCE 0.5 deployment w/ 20+ tablets
 - ii. meeptablet.com essentially runs Sugar (Walter Bender's got one, conclusions?)
 - iii. other Sugar devices in discussion
3. 3 Haiti deployments mid-Jan 2014: George & Tim make very steady progress on HW choices, 12.1.0 client software customizations, flights
 - a. Jon Nettleton eager to resolve XO-1's 256MB slowdown problems later? Given global XO-1 community's strong preference for Release 12.1.0 over all the clocked slowed 13.x builds.
4. OLE Nepal plans using XSCE 0.5 spring??
5. XSCE 0.6 dreams: http://wiki.laptop.org/go/XS_Community_Edition/0.6/Road_Map
 - a. Feb 22-24 <http://socallinuxexpo.org/scale11x/schedule> @ LAX airport & Feb 25-28 Sprint?
6. Question for Nepal & friends: is 11AM NYC Time too late to meet in general? (Unresolved)
7. <your item here>

Tues 12 Noon EST Dec 10, 2013 - #schoolserver @ <http://webchat.freenode.net>

1. XSCE-0.5 RC status (beta instead of Release Candidate?)
 - a. Not ready yet, some tasks must be done
 - i. httpd configuration refactor (needs testing)
 - ii. documentation
 - b. Problems with pathagar installation and future conflict
 - i. Miguel will send an in detail explanation of alternatives
 - c. More cleaning/polishing
 - i. postgresql configuration refactor
 - ii. deprecate xs 0.4 files (pending merge/test)
 - iii. move xs-authserver to its own folder/role

- iv. remove rfb.service avahi announce (pending merge/test)
- v. generate pathagar entry in service list inventory

2. Final release: make rpm

Thur 2 PM EST Dec 5, 2013 - voice call

(Anna, Holt, Tim, George; Jerry @ funeral)

1. XSCE 0.5 imminent release/status: is a Release Candidate hopefully soon possible? (Anna will work with Jerry to try, Tim wants Install doc prioritized as part of this)
http://wiki.laptop.org/go/XS_Community_Edition/0.5/Testing/Results
2. Instead of 2PM EST weekly, can we accommodate more Asians/Nepalese/Etc trying 10AM (default) or 11AM EST Thursday instead?
 - a. Or do Jerry/Anna not wake up in the morning ;)
 - b. Malaysia Retreat Update 11AM NYC Time Fri Dec 6 @ <http://youtube.com/unleashkids>
3. Failings of IIAB/XSCE 0.4 beyond ~10 simultaneous XO-1 users, how to diagnose?
 - a. Bottleneck due to Trim-Slice, XO-4, Wifi Access Point, XSCE, IIAB?
 - b. Haiti/Nepal January deployments & other upcoming XSCE implementations should use which hardware to evaluate 50 simultaneous users?
 - c. 10AM Fri Dec 6 IIAB appliance heavy-load-testing W of DC
4. XSCE 0.6 Dreams
 - a. Feb 22-24 <http://socallinuxexpo.org/scale11x/schedule> right by LAX airport
 - b. Strong possibility of an IIAB/XSCE 0.6 Sprint in the Los Angeles area Feb 25-28, building upon XSCE 0.5: http://wiki.laptop.org/go/XS_Community_Edition/Features choices & Pedagogy Endgame
 - c. http://wiki.laptop.org/go/XS_Community_Edition/0.6/Road_Map reality check?
5. FAQ sanity-checked by George, what else needed?
http://wiki.laptop.org/go/XS_Community_Edition/FAQ
http://wiki.laptop.org/go/XS_Community_Edition/0.5/Installing Anish working on this (Tim believes!)
6. <your item here>

Tues 12 Noon EST December 3, 2013 - #schoolserver @ <http://webchat.freenode.net>

3. 0.5 release status
 - a. Test results
 - b. Known issues
 - i. "Appliance" install - monit is monitoring squid
 - ii. IIAB Wikipedia search throws a 500 error on a 1.75 (works fine on a 1.5)
 1. Turns out Anna's 1TB dataset is "stale"
 - iii. xs-authserver requires this workaround (related to IIAB deps)
 1. pip install --upgrade --force-reinstall Werkzeug Flask
 2. systemctl restart xs-authserver.service
 - iv. idmgr not work on my latest install (Tim)
 - c. http://wiki.laptop.org/go/XS_Community_Edition/0.5/Testing/Results
 - d. offline install
 - e. update documentation
 - f. remove/hide old source code
 - g. git: tagging and branching
 - h.
4. What are people working on?

5. PR Queue
6. Wiki Preservation
 - a. poller on xsce.ac.com?
7. Proposals for 0.6
 - a. http://wiki.laptop.org/go/XS_Community_Edition/Features/Audience_response_system
 - b. http://wiki.laptop.org/go/XS_Community_Edition/Features/Online_editor
8. Delayed to 0.6
 - a. IIAB dataset size it's an issue. RACHEL is just 32gb (<http://worldpossible.org/rachel>)
 - b. Offline install (pip needs a 2 step install)
 - c. Remove files not used in any task
9. Release candidate tasks:
 - a. Docs (anna)
 - b. Packaging (
 - c. ti Revert
<https://github.com/XSCE/xsce/commit/08b1f18b3c3004277d7d0790cfcf8c44bc2dff1f>
 and update docs to reflect the new ansible released version (v1.4.1)

Tues 12 Noon EST November 26, 2013 - #schoolserver @ <http://webchat.freenode.net>

1. End-user documentation (how to collaboratively do it)
 - a. Who's the audience?
 - b. Where do we collaborate on documentation? Github?
2. Logging
 - a. Does this do it?
 - i. uncomment log_path = /var/log/ansible.log in /etc/ansible/ansible.cfg
 - b. <https://github.com/XSCE/xsce/pull/75>
3. ansible port status
 - a. named issues, what's the deal?
 - i. If you're first hearing about this, named fails during the "regular" ./runansible on TASK: [network | Enable named service]
 - ii. Anna has been doing `ansible-playbook -i ansible\_hosts xsce.yml --connection=local --tags=download` for initial testing and missed the error
 - iii. named throws out errors without doing --tags=download first and then a reboot, Anna needs to pin it down
4. Pathagar status
 - a. Pathagar seems to be on track, thanks to Miguel
 - b. Some upstream stuff is required
 - c. Go to books/admin and do what you can't in the "regular" admin interface

- i. Add tags
- d. addepubs works with a dir of epub
- 5. Apache configuration
- 6. < topic here pls>

Log: <https://sugardextrose.org/issues/4869>

Tues 12 Noon EST November 19, 2013 - #schoolserver @ <http://webchat.freenode.net>

- 7. End-user documentation (how to collaboratively do it)
- 8. logging
- 9. ansible port status
- 10. pathagar status
- 11. <your topic here pls>

Tues 12 Noon EST November 12, 2013 - #schoolserver @ <http://webchat.freenode.net>

- 1. Ansible migration
 - a. Updated http://wiki.laptop.org/go/XS_Community_Edition/0.5/Ansible_Progress
 - i. Just 3 tasks to complete port> avahi, network and pathagar
 - ii. network: Change default domain to .lan and provide an optional argument to runansible
 - iii. avahi: test again without .local
 - iv. patahgar: test pending <https://github.com/XSCE/xsce/pull/47>
 - v. Offline install? Needs more work but still a goal
- 2. New request: VM ready for download and test
 - a. A 32 bit VM appliance for XSCE, with no LAN, and IIAB demo dataset, and everything else that's working for demo purposes
 - b. hosted here also
http://wiki.sugarlabs.org/go/Sugar_Creation_Kit/sck/Advanced_Topics#m-anish_VM
 - c. still uploading eta 2 hrs
 - d.

Log: <https://sugardextrose.org/issues/4854>

Thur 2 PM EST Nov 7, 2013 - voice call

(MDluhos, TMoody, ASchoolfield, GHunt, JVonau, AHolt; JNettleton can't make it today)

- 1. 0.5 Progress - deferred from Nov 14 til Nov 28 (yes, give thanks on Thanksgiving Day!)
http://wiki.laptop.org/go/XS_Community_Edition/0.5/Ansible_Progress
http://wiki.laptop.org/go/XS_Community_Edition/0.5/Road_Map
- 2. 0.6+ Speculation & Malaysia Invitation:
http://wiki.laptop.org/go/XS_Community_Edition/Features
http://wiki.laptop.org/go/XS_Community_Edition/0.6/Road_Map
- 3. Malaysia Retreat Nov 16-18 & abbreviated Sprint Nov 19: <http://olpcbasecamp.blogspot.com>
http://wiki.laptop.org/go/XS_Community_Edition/0.5/Sprint#XS.28CE.29_Sprint_Part_2:_Malaysia_Culmination
- 4. Spring Real Sprints:
February in Toronto -- is mid-Feb OK with everyone?
April in Paris (Lionel Laske will clarify in coming days)

5. Nepal & Haiti prep for expanding schools (Dec-Jan/Feb, MDIuhos & AHolt)
6. HW Dreams beyond Trim-Slice:
<http://wandboard.org> extremely similar to SolidRun's Cubox? With same issues ;)
<http://cubox-i.com/table> looking good but how to boot (JVonau seeks image or instructions)
 Whence <http://utilite-computer.com/web/utilite-models> after 6 months?
 (driver details questionable for all above, details forthcoming in future weeks from JNettleton)
7. NetworkManager plugins (JVonau)
8. Modifying profiles (JVonau, GHunt [re]moving this?)
9. facts discovery? "ansible -i 127.0.0.1 -m setup --location=local" (GHunt)
10. Welcoming Immigrants: wiki/docs/walkthroughs (future topic from AMangal, AHolt)
11. <add item here>

Tues 12 Noon EST November 5, 2013 - #schoolserver @ <http://webchat.freenode.net>

3. Ansible migration and Features status
 - a. http://wiki.laptop.org/go/XS_Community_Edition/0.5/Ansible_Progress
 - b. http://wiki.laptop.org/go/XS_Community_Edition/Features
4. 0.5 progress
5. Recent PRs? (do we need any discussion abt them)
 - a. <https://github.com/XSCE/xsce/pulls>
6. Malaysia Retreat & Sprint Nov 14-20: <http://olpcbasecamp.blogspot.com>
http://wiki.laptop.org/go/XS_Community_Edition/0.5/Sprint#XS.28CE.29_Sprint_Part_2:_Malaysia_Culmination
7. HW dreams
8. Welcoming Immigrants: wiki/docs/walkthroughs
9. Fix install to SD for XO-4 touch
10. <your item here>

Thur 2 PM EDT Oct 31, 2013 - voice call

(JNettleton, ASchoolfield, TMoody, JVonau, AHolt, TAnderson; GHunt on holiday for 1 week)

1. Ansible Migration Status
 - a. Modules left to migrate
 - b. Networking (see below)
 - c. Test Results
 - d. RPMs vs Playbooks
2. SF Features Status
 - a. Tim refining & renaming http://wiki.laptop.org/go/XS_Community_Edition/feature towards specifying 0.6 targets around Malaysia's summit/sprint Nov 16-20:
http://wiki.laptop.org/go/XS_Community_Edition/Features
http://wiki.laptop.org/go/XS_Community_Edition/0.5/Ansible_Progress
3. What goes where: XSCE vs XSCD (loads w/ usbmount)

Tue 12 Noon EDT October 29, 2013 - #schoolserver @ <http://webchat.freenode.net>

1. OLPC-SF Recap
 - a. [The initial post-it note board](#)
 - b. [Feature pages](#)
2. Github and Ansible migration reflections
3. 0.5 Targets
 - a. Networking

- i. Automatic detection of devices
 - ii. More flexible and robust, particularly on XO target machines
 - iii. For XO target machines specifically, an issue might be the [OLPC OS renaming the onboard wifi on boot](#)
- 4. Roadmap
 - a. 14-Nov: Ansible migration completed and properly tested-> release 0.5
 - i. (two days before Malaysia Summit)
 - b. 6-Dec: Feature Freeze for 0.6 release
 - c. 1-Jan: RC1 for 0.6 release
 - d. 14-Jan: 0.6 Final release
- 5. xs-rsync loads all of xs-config
- 6. Building a user/deployment community
- 7. Meeting time? Is the current time okay? Should we try a weekend?
- 8. Add your agenda items, please

Thurs 2 pm edt Oct 17

- 1. Get ready for XSCE presentation at summit.
- 2. New work flow.
- 3. Merge DXS
- 4. rewrite DXS networking
- 5. each take a module and write a playbook (Tim- portal, George -VNC & OpenVPN ,
- 6. remove circular dependencies in xs-rsync and ds-back upon xs-config

Tue 12 Noon EDT October 15, 2013 - #schoolserver @ <http://webchat.freenode.net>

- 1. Move to github - **DONE!** - <https://github.com/XSCE/xsce> , announcement - <http://lists.laptop.org/pipermail/server-devel/2013-October/006852.html>
- 2. Status of buildsystem to handle updates of forked rpms from OLPC/Fedora
- 3. Buildbot, and xsce VM access
- 4. Update the link for offline install of RC4 (currently points to RC1)

Thur 2 PM EDT Oct 10, 2013 - voice call

- 1. finalize our v0.5 sprint starting in 11 days Oct 21-23 in SF: ([Malaysia Nov 14-20 later!](#))
http://wiki.laptop.org/go/XS_Community_Edition/0.5/Sprint
- 2. 0.4.5 (or call it 0.5) ideas:
https://docs.google.com/document/d/1FVUFI6vry8u9b_INSXvcWKN6hgVB-7Je4aTBpvg0QVg
<http://lists.laptop.org/pipermail/server-devel/2013-October/006823.html>
- 3. github.com & similar proposals:
<http://lists.laptop.org/pipermail/server-devel/2013-October/006827.html>
- 4.

Tue 12 Noon EDT October 8, 2013 - #schoolserver @ <http://webchat.freenode.net>

- 1. Proposing XSCE-0.4.5
- 2. OLPC-SF talk ideas
 - a. What is the School Server Community Edition project (beginner)
 - b. Deployment stories - Bhagmalpur, Haiti?
 - c. Some mid-advanced level talk to get people interested in the hacksprint
- 3. <your item here>

4. **DONE:** Buildbot XS04 is apparently not building to the release-0.4 repo, but 0.3
<http://xsce.activitycentral.com:9010/changes>
5. **TODO:** Login access to the buildbot to fix such issues in the future

Thur 2 PM EDT Oct 3, 2013 - voice call

1. 0.4 Released - yay!
 - a. ANNA: <http://lists.laptop.org/pipermail/server-devel/2013-October/006809.html>
 - b. Wiki needs to be edited to reflect 0.4-stable status
 - c. Offline install still needs testing (and/or perhaps updating)
 - d. Congrats, docs eternal improving...
2. Updates from both OLPCA's
3. 0.5 dreams - consolidating @ https://docs.google.com/document/d/1FVUFI6vry8u9b_INSXvcWKN6hgVB-7Je4aTBpvq0QVg
 - a. Ansible
 - b. Printer (GUI/queue)
 - c. Email (offline support) [mail server for not-always-on internet, store and forward]
 - d. Run on new intel hardware
 - e. Better ARM support, Intel/Atom/Classmate questions
 - f. More ideas...

Tue 12 Noon EDT October 1st, XSCE - #schoolserver @ <http://webchat.freenode.net>

1. 0.4 release?
2. Anish - Get cracking on a release checklist
3. SF summit objective--ansible working? -gjh
4. Test 1.5 write to SD card and on xo4 also, 1.5 to verify that it works, and 4 to verify that it does not per satellite_e's request - gjh
5. Test POS Dell - Anna?
6. "I'll use a 1.75 to write the XO-4 image to the SD-card then try booting that card in the XO-4" - Jerry
7. Meet again at 2100 UTC / 1700 EDT for release review and vote
8. **TODO:** Buildbot XS04 is apparently not building to the release-0.4 repo, but 0.3
<http://xsce.activitycentral.com:9010/changes>
9. **TODO:** Login access to the buildbot to fix such issues in the future
10. Minutes - <https://sugardextrose.org/issues/4739>

Thur 2 PM EDT Sept 26, 2013 - voice call

1. 0.4 RC2 = Final Release expected within days - Test!
2. http://wiki.laptop.org/go/XS_Community_Edition/0.4/Testing/Results

Tue 12 Noon EDT Sept 24, 2013 - #schoolserver @ <http://webchat.freenode.net>

1. IRC Bot for #schoolserver (do you fear metal)?
 - a. who is controlling the bot and where is its precise purpose documented?
2. 0.4 RC-2 and Release readiness
3. Can somebody revert the wiki page (it has too many ????'s)
4. OLPC-SF getting closer - Proposals!?
5. More info on Trimslice usage?

6. 0.5 wiki page
7. 0.5 feature proposals
 - a. xsce as vnc reflector ->multicast to clients
 - b. slide show screencast/sound recorder activity
8. **Automated Minutes:** <https://sugardextrose.org/issues/4712>
9. **Priority Takeaways: (summarized by Anish Mangal)**
(forthcoming) - SORry, didn't work on it [Anish]

Thur 2 PM EDT Sept 19, 2013 - voice call

3. 0.4 RC2! - Test, Test, Test!
 - a. George proposes BLUE signifying "retested for 0.4 RC2" below:
http://wiki.laptop.org/go/XS_Community_Edition/0.4/Testing/Results
4. RC2 deferred to Tues: http://wiki.laptop.org/go/XS_Community_Edition/0.4/Road_Map
5. People need to attend our public voice meetings if they want to be our public voice (and speak up in advance) fostering patterns of intentionality, democracy, consensus
6. NYC final prep for Sept 21-22 <http://makerfaire.com>
7. <your item here>

Tue 12 Noon EDT Sept 17, 2013 - #schoolserver @ <http://webchat.freenode.net>

1. 0.4 RC2 branch status, and release readiness
2. OLPC-SF proposals
 - a. h/w hacking
 - i. trimslice
 - ii. <http://cubox-i.com/>
 - b. Deployments
 - i. Bhagmalpur
 - ii. Haiti
 - c. sugar on a tablet of some flavor
 - d. <add your own crazy world changing idea here>
3. Malaysia Retreat (Nov 14-18) + Sprint (Nov 18-20) progress!
 - a. http://wiki.laptop.org/go/XS_Community_Edition/0.5/Sprint
 - b. <http://olpcbasecamp.blogspot.com>
4. Squid caching on AP's in mesh mode (OpenWRT/SECN)
 - a. Jon's GPL squid admin and reporting work
 - b. Caching youtube and facebook videos (can it be done in a transparent fashion?)
5. NYC Sept 21-22 showcase @ <http://makerfaire.com>
 - a. which hardware: XO-4 and Trim-Slice?
6. XSCE 0.5 dreams
7. Thur 2PM NYC Time voice call reminder!
8. **Automated Minutes & Transcript:** <https://sugardextrose.org/issues/4687>
9. **Priority Takeaways: (summarized by Anish Mangal)**
<http://lists.laptop.org/pipermail/server-devel/2013-September/006801.html>

Thur 2 PM EDT Sept 12, 2013 - voice call

1. 0.4 RC2 by Thu Sept 19:

- Trajectory @ http://wiki.laptop.org/go/XS_Community_Edition/0.4/Testing/Results ?
2. Call for proposals @ OLPC_SF
 3. Who set up "XSCE" G+ / Youtube channels? - [David says he did; "About" pages are too empty]
<https://plus.google.com/u/0/116719750476123557573>
http://www.youtube.com/channel/UC7-oWZYTLqPziZt_JGwXCCg <- [This is completely empty]
 4. Thanks to <http://haitidreams.org> for writing up both our XSCE 0.4 RC1 deployments in Haiti of the past 2 weeks (daily photoessays appearing daily on above site, from a non-technical volunteer's perspective, who cares deeply about our effectiveness)
 5. SF/Malaysia 0.5 DOUBLEHEADER Sprint:
http://wiki.laptop.org/go/XS_Community_Edition/0.5/Sprint
 TK working his butt off opening up our OLPC & XS(CE) efforts to the other half of the world's population: <http://olpcbasecamp.blogspot.com>
 - Testing note: Instead of installing the xsce-devel repo, download this, per the "official" install documentation: <http://xsce.activitycentral.com/repos/xsce-rel4.repo> Then edit that repo to enable [xsce-devel]

Tue 12 Noon EDT Sept 10, 2013 - #schoolserver @ <http://webchat.freenode.net>

1. 0.4 RC2 & final release each deferred by 1 week:
http://wiki.laptop.org/go/User:Holt/XS_Community_Edition/0.4/Road_Map
 Anish asks if we need another results table for RC2, or if the following will do:
http://wiki.laptop.org/go/XS_Community_Edition/0.4/Testing/Results
2. **Automated Minutes:** <https://sugardextrose.org/issues/4630>
3. **Priority Takeaways: (summarized by Anish Mangal)**
<http://lists.laptop.org/pipermail/server-devel/2013-September/006769.html>

Thu 2 PM EDT Aug 15th, 2013

Today is Feature Freeze

http://wiki.laptop.org/go/XS_Community_Edition/0.4/Road_Map

1. Status of XSCE 0.4

- a. See http://wiki.laptop.org/go/XS_Community_Edition/0.4/Testing/Results
 - i. Of particular concern:
 1. IIAB
 2. Install Image (1.75 & XO-4 done, George interested in 1.5)
 3. Stats
 4. Pathagar (iffy for 0.4?)
 5. CUPS (rpms are included?)

2. Make the release timeline clear:

- a. **Today, August 15th, is Feature Freeze.**
 - i. Is IIAB WSGI in the release?
 - ii. Is the install image ready to test?
 - iii. What's the deal with stats?
 - iv. **Pathagar probably didn't make it**, but let us us know for sure?
 1. **Yes or No**, is Pathagar in or out? "basic framework is in place, awaiting feature set & functionality based on Django"

- v. Should we even bother with including the CUPS rpms? (deployment must to their own admin/conf, security issue)
- b. From **Monday, August 19th, to Tuesday, September 10th**, rigorous testing of RC1. Time for debugging, attending to nitpicky things.
- c. **Thursday, September 12th, we release RC2.** Anna's test plan includes running it as her "public XS" for a few days, since her users always complain when something's gone wonky.
- d. **Monday, September 19th, final release of XSCE 0.4.**

3. Weekly Personal Updates

- a. George --
 - i. need way to turn off dansguardian --rejects amazon.com (document how, Jerry helping George)
 - ii. httpd.conf needs to scale memory requests and deal with 2.2/2.4 correctly (George trying, if he fails Jerry will try while George in Haiti)
 - iii. login to pathagar fails, (or appears to!)
 - iv. need to set up our release candidate branch and the associated build bot,
 - v. XO1 image (maybe from xo1.5 os-builder),
 - vi. trimslice installed -- hostapd works, needed to jiggle /etc/hosts for httpd
 - vii. image generation -- trimslice, XO1, raspberry pi -- generic instructions
 - viii. IIAB css for entry page missing (portal discover of IIAB works)
- b. Jerry --
 - i. completed 1.75 & 4 images
 - ii. USB external storages issue (conditional symlink)
- c. Anna --
 - i. DXS stuff
 - ii. waiting for stuff to test
 - iii. test matrix: http://wiki.laptop.org/go/XS_Community_Edition/0.4/Testing/Results
- d. Anish --
 - i. moved from Delhi to SF

4. Deployment Fantasies to Realities (Anish *postgame* discussion)

- a. Content and classroom integration
 - i. curriculum as content
 - ii. local publishers? teachers' lesson plans linking to content?
- b. Wireless connectivity (wireless telco, beyond)
- c. Statistics and making sense of them (visualizing, big data or not)
- d. Administration of various services, as 0.5 possibs:
 - i. GUI
 - ii. <http://ajenti.org> enabling/disabling services
 - iii. school-in-a-box ideas?
 - iv. NAS for publishing alliances?

Thu 2 PM EDT Aug 8st, 2013

1. Weekly personal updates:

- a. George -
 - i. 0.4 offline install should be a priority
 - ii. Pathagar too?
 - iii. 0.4 release pressure/reputation regardless
 - iv. Haiti!
- b. Jerry -
 - i. push back feature freeze to Aug 15?
 - ii. agrees w/ offline install priority
 - iii. Sugar Network RPMs should install no prob (Aleksey input on config? 0.5 target?)
 - iv. CentOS issue with Python 2.6 (similar to F13?) Apache 2.2 vs. 2.4 issues?
- c. Anish -
 - i. Utilite server HW news - don't use it this month, Fedora support lacking
 - ii. Trimslice do consider (F18 presumably?)
 - iii. upstream Aleksey's Sugar Network to various places?
 - iv. can forward stats docs to George -- Round Robin databases -> mysql more digestible
- d. Braddock -
 - i. new languages!
 - ii. new release soon
 - iii. Wikipedia search of all cities
- e. Anna -
 - i. reinstall this afternoon, working on IIAB error messages
- f. Holt -
 - i. disk duplicator for hard drives (George found)
 - ii. ebook research, no news from Seth?
 - iii. updated
http://wiki.laptop.org/go/User:Holt/XS_Community_Edition/0.4/Road_Map with George & Jerry's recommendations
 - iv. on Daniel Drake's suggestion
(<http://lists.laptop.org/pipermail/server-devel/2013-August/006645.html>) I moved wiki.laptop.org/go/User:Holt/XS_Community_Edition to wiki.laptop.org/go/XS_Community_Edition

Thu 2 PM EDT Aug 1st, 2013

1. Weekly personal updates:

- a. George - (offline in Sierras / Eastern California)
- b. Jerry - no news
- c. Tom -
 - i. CentOS 6.4 problems (see list emails, files missing?). Tried x86 netinstall & otherwise. Internal HD required! (USB HD not permitted). Jerry: due to Anaconda 13 from Fedora 13? Sugar .88? Hmm. Jerry suggests underlying cause might be: Python 2.6 -> Python 2.7 (someone needs to recompile? can't install .rpms on earlier OS)
 - ii. XS 0.7 login but where after that?

- iii. next steps?
- d. Anish - Some conversations with Sebastian (Peru), Kishwer
 - i. Sebastian - Ask him to generate f19 packages so we can try out Sugar Network on the XSCE. demo -> <http://network.sugarlabs.org>
 - ii. Kishwer - Ready to do an XSCE pilot when we think we're ready. Also interested in stats collection system.
 - iii. **TODO - Check with George on sugar-stats**
- e. Braddock -
 - i. performance improvements w/ WSGI
 - ii. search for Wiki titles, Wiki, geographic placename search for OpenStreetMap
 - iii. John doing testing w/ Anna soon (Braddock's intro email to follow)
- f. Anna -
 - i. 0.4 progress notes:
 - <https://docs.google.com/document/d/1bIFrHtvI6RaMH37-DhznphaEG9bfWZv4b-wSyhS9vDM/edit>
 - ii. Pathagar Sprint w/ Seth/Holt/Anna Aug 7 to shoe this into 0.4???
 - iii. stats - Anish checking w/ George
 - iv. WebDAV notgoing to make 0.4 -- v0.5 more likely
- g. Holt -
 - i.
- 2. Does CentOS work on ARM? "No"
- 3. Anyone wanna play with open-SECN firmware (tag-team)? Related to Village telco. Terry Gillet said he'll provide firmware for most Tp-Link routers, which apparently are very easy to configure and run in a robust manner.

Thu 2 PM EDT July 25th, 2013

1. Weekly personal updates:
 - a. George - SF holiday but making great progress on Pathagar!
 - b. Seth - joins us live by phone to help
 - i. prepping small sprint Aug 6-7 (Tue,Wed)
 - c. Holt - Haiti advancing very well, <http://unleashkids.org> interviews, XO-4 hardware integration
 - d. Anish -
 - i. utilite (new trimslice) will undergo Fedora testing, monitoring
 - ii. Terry Gillett of Village Telco -- FOSS for routers for classrooms (coming 2 wks?)
 - iii. MOOC discussion
 - iv. Santi working on Ansible -- most all services up next week? Most all ported by not ejabber/moodle not yet ported. (or XSCE v0.5)
 - e. Tom Gilliard -
 - i. Trimslice suggestions
 - ii. http://wiki.sugarlabs.org/go/Ubuntu#Ubuntu_12.04.2_LTS_-_Dextrose_Sugar_Live
 - iii. CentOS testing eg. for large deployments
 - f. Jerry - medical issues, 0.4 on track, data set from Anna to test?
 - g. Jerry, George about XO-1 support - dropping the GUI and swapfile early seems like a useful idea to build upon.
2. **Respond by mid-August about the Utilite machine.**

Thu 2 PM EDT July 18th, 2013

3. Weekly personal updates:
 - a. George
 - i. packages he grok'ing thanks to Braddock! (trial+error, moving fwd)
 - ii. Pathagar
 - iii. very happy w/ Braddock's speed improvement, static pages nec?
 - iv. loves maps too!
 - v. upgrades question?
 - b. Braddock - time to set up Python enviro long, so statis content moved from WSGI to Apache alias (and other speed optimizations..
 - i. upgrade idea in mind - but not ready quite yet
 - ii. translation advancing, but how to interact with Sugar and/or browser's language setting? Holt will help post to localization@lists.laptop.org
 - c. Anna
 - i. DXS port, Santi will split to own repo
 - ii. Moodle - is "transparent authentication" possible? (kids can't manage logins)
 - iii. fresh XSCE flash last night - for dansguardian
 - iv. Monit test cases written up (cool that svcs auto-restart!)
 - d. Holt
 - i. lots of Haiti prep
 - e. Kevin Cole's XO-1.5 XSCE problems
 - i. firmware not working - will try #schoolserver on irc.freenode.net and server-devel@lists.laptop.org

Sat 10AM EDT July 13th, 2013

(community video hangout for implementers/educators/all @ <http://youtube.com/unleashkids>)

Fri 3 PM EDT July 12th, 2013

1. Migrated progress document to [XSCE 0.4 Status](#)
2. Hardware update

Thur 3 PM EDT July 11th, 2013

1. Internet in a box.
 - a. Works using the built in IIAB server. Migrating to apache ASAP. WSGI direction.
 - b. Kudos from George
2. Anna on Activity Server?? Just stick it in!
3. Anna seeking content-updater doc from Jerry/Tony

Wed 3 PM EDT July 10th, 2013

1. Rough teaser for Saturday's 10AM EDT Open Community Hangout
<http://youtube.com/unleashkids> Sprint Recap: "Arising from the OLPC movement, the School Server Community Edition (XSCE) is free software being created by volunteer professionals for the world's poorest children. By providing free offline content, collaboration and Internet tools, it equips teachers around the world with exciting new ways to enable high-quality learning."
2. TrimSlice (Known as Utilite) prototype motherboard arrived in Spain today. -- seems sane. Slow internal SD card? Wifi -- might need to contact CompuLab tech support? More tomorrow on Fedrora success etc!

- a. Any word on what firmware runs on this. Is it customizable? An example of wanting to tweak with the firmware would be getting nandblasting to work on it.
- 3. <http://internet-in-a-box.org>
 - a. Braddock's new .rpms -- new volunteer working on Wikipedia search.
 - b. George on base install challenges. Many integration questions?
 - c. Update of HD questions? EG. via unleashkids.org nonprofit store. Torrent not appropriate. Rsync mirror expensive provided by Santi @ AC? Raleigh, NC mirrorsite, ibiblio.org? (hosts Project Gutenberg & activities.sugarlabs.org mirrors)
 - d. French/Creole/Spanish translation of IIAB GUI? Braddock will try to send the English phrases (several hundred) to Holt next week sometime, so <http://translate.sugarlabs.org> might even support wider translations.
 - e. Aug 15 hard drive in NYC / Aug 25 hard deadline (flight!) for Haiti. Aug 5 XSCE 0.4 target: is http://schoolserver.org/0.4/Road_Map real?
- 4. Pathagar .rpm & preview, announcing new talent Aneesh Dogra will lead this. Hoping for possible .rpm and update next week.
- 5. <http://schoolserver.org/0.4> agenda midweek coming clear:
 - a. http://schoolserver.org/0.4/Project_Specifications
 - i. Verify everyone on 13.2.0-12
 - b. http://schoolserver.org/0.4/Road_Map
 - i. Feature Freeze 5 Aug
 - ii. Final 19 Aug
- 6. Specific scope, testing, and documentation for 0.4.
 - a. Offline USB install -- Jerry: **GO**/NOGO
 - i. Next Steps: Working on finals script.
 - ii. Documentation: **Not yet**
 - iii. Test case: **Not Yet**
 - b. Install image -- Jerry: **GO**/NOGO
 - i. Promising -- It boots.
 - ii. Documentation: **Not yet**
 - iii. Test case: **Not yet**
 - c. External USB hard drives (currently have power issues) -- **Not Assigned Yet: GO**/NOGO
 - i. Verify situation exists on 13.2.
 - ii. This might be hard drive specific.
 - iii. Recommend type of harddrive/frame or external USB drive.
 - d. Internet in a Box -- George: **GO**/NOGO
 - i. Next step: Bradock migrate server.
 - ii. Documentation: **Not Yet**
 - iii. Testing: **Not yet**
 - e. Pathagar -- Lion: **GO**/NOGO
 - i. Next step: Touch base with Lion. Invite to call.
 - ii. Documentation: **Not Yet**
 - iii. Testing: **Not yet**
 - f. Ansible --Santi: **GO**/NOGO

- i. Don't comment out from set up until jerry is done with offline install?
- g. WebDAV to submit work from the Journal -- Ajay: **GO**/NOGO
 - i. For this iteration all we will do is turn on the apache module and figure out authentication so that one-many-works.
 - ii. Documentation: **Not Yet**
 - iii. Test case: **Not Yet**
- h. Monit -- Santi: **GO**/NOGO
 - i. Documentation: **Not Yet**
 - ii. Test case: **Not Yet**
- i. Dansguardian modularity (currently it's entwined with Squid ports) -- Santi: **GO**/NOGO
 - i. Documentation: **Not Yet**
 - ii. Test case: **Not Yet**
- j. Performance Statistics Collection -- George/Anish: **GO**/NOGO
 - i. Next step:
 - ii. Design docs: **Not Yet**
 - iii. Use case: **Not Yet**
 - iv. Documentation: **Not Yet**
 - v. Test case: **Not Yet**
- k. Activity Update (separate from the Activity Server) -- ????: **GO**/NOGO
 - i. Jerry thinks it works
 - ii. Documentation: **Not Yet**
 - iii. Testing: **Not yet**
- l. Content updater -- Jerry: **GO**/NOGO
 - i. Documentation: **Not Yet**
 - ii. Testing: **Not yet**
- m. Printing -- George: **GO**/NOGO
 - i. Include rpm but don't enable.
 - ii. Documentation: **Not Applicable**
 - iii. Testing: **Not Applicable**
- 7. Pushed to 0.5
 - a. OpenVPN - Santi: **GO**/**NOGO**
 - b. OLPC-update -- Roger?: **GO**/**NOGO**
 - c. Journal restore -- ????: **GO**/**NOGO** -- Use the activity
- 8. Pilot outreach -- Customer requirements.
 - a. ??

Tue 3 PM EDT July 9th, 2013

- 1. Individual updates
 - a. George - Image building, low-hanging fruit, printing
 - b. Jerry - Offline usb working, no need to reboot, still need script.
 - c. Adam - Haiti is breathing down our neck! Content container is crucial for content curators, Prepare for baddock? Inviting more developers (JohnG, AJayG, MiguelG, AneeshD = lionaneesh)
 - d. Tim - Updating XOs via server, JamesC is a boot guru might want to contact him. Help

Sanit?

- e. Anish - Poor connection. CompuLabs call. New bugtracker: <link?>. Miguel stats system. port to postgres. What we going to use in Haiti? answer by tuesday the 16th. Haiti fallback plan 1.75?
 - f. Anna - 13.2.0 issues?
 - g. Santi - Helping Anna with her ansible tests
 - Working on fixing/adding more ansible playbooks.
 - Play with the TrimSlice prototype arriving Wedn
 - h. David - SchoolTool update.
- 2. Pathagar - Assigned AneeshD (lionaneesh)
 - 3. Content updater -- Figure out how this should work?
 - 4. Incorporating TonyA's ideas and code.
 - 5. Hardware update. Covered in anish's update 1e.
 - 6. Complete power, (solar, batteries) server, wireless(AP) kit? Documentation. Anecdotal vs. prescriptive.
 - 7. Pilot out reach -- postpone

Monday 3 PM EDT July 8th, 2013

- 1. Ansibel update and discussion. Translate one service at a time. Comment out

Thur 2PM EDT July 4, 2013

- 1. Pilot Reports
 - a. Current Status - Problems/Red Flags
 - i. B'pur, India
 - 1. Couple of quirks (ejabberd, stats). Debugging em
 - 2. Was able to observe some of the logs, more interesting updates soon.
 - 3. Server was powered on for 24 days over the last 1¼ months.
 - ii. OLPC Schoolfield (Birmingham Embassy ;)
 - 1. Testlink. Writing tests.
 - 2. Figuring out what will be done in the sprint (0.4) so we know what to test.
 - b. Pending Status Priorities/Requirements/Blockers
 - i. Haiti
 - 1. Some interest in IIAB. George has IIAB HDD and will bring to the sprint. Try to install it to an XO.
 - 2. How to deal with different repos where we're pulling stuff from?
 - a. George - Anything we use should go in our repo, Santi +1, Anish +1
 - b. Jerry - Alternate solution -
 - ii. Pakistan
 - 1. Interested in a combination of IIAB and XSCE.
 - iii. ???
- 2. Sprint virtual engagement, efficiently cultivated (Jul 8-12, <http://schoolserver.org/0.4/Sprint>)
 - a. daily prep prior to sprint
 - b. daily summary email
 - c. daily call

- d. digital mentoring
 - i. a-d -- We probably have enough b/w for *some* remote collaboration. IRC would definitely be functional. Skype maybe.
 - e. Deployment's call? (early in the sprint)
 - i. Email with a skype follow-up
 - ii. Nathan Riddle, et. al.
 - f. Google Hangout Sat Jul 13, what time if so? Will be posted @ <http://youtube.com/unleashkids>
3. Week's personal updates
- a. George - XSCE on an XO-1. Work in Progress. Running out of space. It is slow.
 - b. Jerry - Mfg detail./rpm-update.
 - c. Anna - Testlink stuff. TinyTinyRSS. Cron job pulls down pull-text feeds. Ideas for a dynamic XSCE portal -- Seems like an interesting idea to toy with! :-) Postgres with statusnet experimentation.
 - d. Santi - Will play with the trimslice, and let everyone else play with it :-) OpenVPN hub.
 - e. OLPC going away?
4. Ansible progress
- a. Someone opened the tgz?
 - b. Ansible alongside all of the services and gradually move them from current install process to the ansible process.
 - c. 8-10 services ported to the ansible method.
 - d. Ansible UI - network setup? Customizable. (Maybe not the UI)... Ansible can analyze a system, figure out and work intelligibly. Cross-platform-izing XSCE might become easier.
5. Workflow status
- a. Folks at the sprint would want to commit directly. Work on separate branches?
 - b. Work it out when there. Doesn't seem too complicated.
6. ETA Canada - Pick up Adam at 11 o'clock and 400 miles from Minneapolis -> Winnipeg. Sunday evening-ish arrival.

Thur 2PM EDT June 27, 2013

1. Week's personal updates
- a. Jerry's customization routine working (bind to install environment, working!)
 - i. upstreamed to repo, Quozl accepted patches, Jerry will write up README
 - ii. George will follow up w/ Crete/Greece volunteer
 - b. George working on charge-monitoring into/out of solar battery (Arduino-based)
 - i. so remaining juice for cellphones etc clear?
 - c. Tim
 - i. cleaned up his last day at work Tues Jun 25
 - ii. host file fix for 64-bit vbox now running latest master
 - iii. stable enough to upload/upstream further?
 - d. David
 - i. uploads working for everybody? holding up? overstepping?
 - ii. Jerry: let it rip during sprint -- agreed by all
 - iii. George prefers emails to see others' / major changes
 - iv. Reuben working w/ #schoolserver channel

- e. Anish
 - i. Bhagmalpur-based Deployment Guide planned, around specif HW
 - ii. George suggests photos, Anish suggests videos
 - iii. All morning session @ SF / Malaysia summits? -- And perhaps we should strike a conversation with T.K.Kang? who is organizing the Malacca summit (he already invited me).
- f. Anna
 - i. Reminds us to pay attention to heat in our devices
 - ii. Haiti content/teachers community emerging around basecamp.com, similar to the success of <https://www.yammer.com/australianxoteachers/>
- g. Adam
 - i. XSCE running on XO-4, community/maker store offerings evolving for unleashkids.org
 - ii. olpcnews.com article, times they are a changin
- 2. Village Telco discussion
 - a. quite active in Australian w/ Sridhar & Rangan private emails despite lack of signs Anish looking for online
- 3. George suggests AC offer OpenVPN / online sysadmin services value-add
 - a. where this can work
 - b. where this can backfire when kids' personal data leaves a country
 - c. Tim: advertising it as a "party line" is a good way to set expectations
 - d. George: David Leeming's many deployments as ideal early adopters
- 4. Support/Doc/Slick Site (Kartik?) options for deployments
 - a. what the most urgent question missing from <http://schoolserver.org/FAQ> today?
 - b. Tim will set up wiki.laptop.org/go/XSCE_Wifi_Choices table or similar
 - c. Tony working with David, quasiweekly
 - d. George recommends some of rsync-like Tony's code on github:
<https://github.com/georgejhunt/ds-backup/commit/eaf764ec0fbd46e28ab7cff28ee06ac995dbe130>
- 5. Backup/restore & passing content for Journal--eg. OLPC France AC hours like B'pur
- 6. Portal Languages: Tim..provision for them but no text (Spanish, Hindi, French)
 - a. Anish - Provide Hindi translations - index.hi.php (hindi strings git repo master branch)
 - b. Santi - Do the same for es maybe?
- 7. Pathagar RPM by 1st week of July ??
- 8. IIAB integration progressing well; at least the hard questions are being asked!

Thur 2PM EDT June 20, 2013

- 1. Week's personal updates
 - a. George
 - i. TrimSlice (applies to RPi)
 - ii. OpenVPN
 - iii. XO-1 - my quandry -- massive changes to bootstrap-xo, and prep-storage -- not wanting to mess up what's working on other XO's
 - iv. downloadable images for different XOs, RPi etc? Vbox's, eg. 32bit VBOX for 64bit?
 - b. Tim
 - i. Portal
 - ii. IIAB integration choices
 - c. Jerry

- i. XO-4 image he's hard at work on
 - ii. Tinycore Linux
 - d. Adam
 - i. Store front / FAQ community (Nathan, Nancie; 2c and 8 below)
 - ii. Detroit deployment(s) challenges (Nathan)
 - e. Santi
 - i. Mothership, Pathagar, IIAB
 - f. David
 - i. server-devel, SG & similar communities
 - ii. deployments like Leeming, OLPC France/Madagascar, AU schools of various size?
 - iii. TrimSlice \$~180 quadcore 2GB w/o disk
 - iv. load-testing w/ Sameer: very hard but late 2013? Nathan too. ping ddwrt folks.
- 2. Topics omitted June 13 (below) needing review+conclusion:
 - a. 0.4 targets:
 - <https://groups.google.com/forum/?fromgroups#!topic/xsce-devel/67jeVV5Gmb8>
 - i. USB HD reliability/testing, ETA? GEORGE will send Tim/Anna cron-jobs to test.
 - ii. config file debate (get everything into master now to smoke test?)
 - b. Mothership
 - c. OpenVPN EG. Anna's client-side config instructions for starters:
 - http://schoolserver.org/0.3/Configuring#Virtual_Private_Network_28open_vpn.29
 - d. Wider Outreach: <http://schoolserver.org> URL-masking for now, and eventually logo/site
 - i. corporate-style or kickstarter-style, tight brochure appeals to diff implementers
 - ii. What's missing from <http://schoolserver.org/FAQ> today?
- 3. GIT Workflow--talking out what each person really needs (Santi's role, etc)
- 4. Pathagar/IIAB Update so working stubs are in place 1st week of July
- 5. IIAB/TrimSlice HW distribution update, via <http://UnleashKids.org> ? (OLPC volunteers)
- 6. Departure of Richard Smith and CJB means changes to uppercase OLPC
- 7. Jerry & Gang "rod+reel" needs for the barren lands! <http://schoolserver.org/0.4/Sprint>
- 8. Support options for deployments (can dive deeper next week June 27)

Thur 2PM EDT June 13, 2013

- 1. Week's personal updates:
 - a. George - worked on TrimSlice & XO-1 this week (& Wifi on RPi as AP)
 - b. Anna - mapped out StatusNet install, PostgreSQL still to try (all like Facebook, how to package!) Moving beyond port 22 limit from external -- fine as a default but firewall needs to open up for those in true need (ejabberd issues). Anna will not attend July Sprint.
 - c. Anish - Just came back from Bhagmalpur today, with a second round of updates installed:
 - i. Monit (Watchdog)
 - ii. Stats consolidation
 - iii. Power fixes (lid-suspend, power-on-AC)
 - iv. Battery backups - giant UPS/batteries installed - 12-14 hrs of backup (almost? back to ~7hrs of grid power/day after village's transformer now back...)
 - v. Ready to start pushing into v.4
 - d. Tim - working on <http://schoolserver.xo1share.org/> (did not work, due to 2.2 vs 2.4?). English, Hindi & Spanish placeholders? Proper language string auto-substitutes... uses .htaccess to support multiview access in diff languages. Tim cant join July Sprint in

- person.
- e. Santi - Monit pkg, rpm problem (Anna: Monit's nifty if install lengthy!) Anish offers to help w/ packaging.
- f. David Wilson - RIT creating game "Lemonade Stand" - using Mozilla open badges, trying to work out XSCE communication
- 2. 0.4 targets. Ref: <https://groups.google.com/forum/?fromgroups#!topic/xsce-devel/67jeVV5Gmb8>
 - a. Tim/Anish suggest: sending "self-contained" patches instead of branches
 - b. George: OK, but send draft patches now prior to Spring if so!
- 3. July 8-12 sprint goals: <http://schoolserver.org/0.4/Sprint>
- 4. Outreach updates
 - a. Solomon Islands; David Leeming
 - b. OLPC France; Lionel Laské
 - c. B'purfect; Sameer Verma & Anish
 - d. Haiti; Adam Holt
 - i. IIAB test HD just arrived LA; en route to George/NYC 1st week of July
 - ii. Pathagar.rpm 1st week of July, which directory paths / spec file / prereqs if so?
 - 1. Tim agrees w/ Jerry that content goes in /library/* eg. /library/pathagar/* ?
 - 2. ANISH: agrees to write our recommendation(s) to Pathagar list!
 - e. OLPC-AU; Jerry Vonau
 - f. FOSS@RIT. (David Wilson joined today's call to explain Mozilla Open Badges)
 - g. Others?
- 5. Mothership. (discussion deferred til June 20)
- 6. OpenVPN - George wants to document in coming week - global network thx to AC's server infra now in place -- Anna has wiki instructions (place link here plz Anna!) This is just for client side configuration:
http://wiki.laptop.org/go/User:Holt/XS_Community_Edition/0.3/Configuring#Virtual_Private_Network_28open_vpn_29
- 7. <http://schoolserver.org> URL-masking for now, and eventually logo/site (corporate-style or kickstarter-style, appealing to different implementers) (discussion deferred til June 20)
- 8.

Thur 2PM EDT June 6, 2013

- 1. 0.4 precision @ http://schoolserver.org/0.4/Project_Specifications -- DFarning will write up bright ideas below (and others) so the prioritization (Tim requests) can happen en route:
 - o add IIAB: Braddock will ship HD to George in NYC for receipt pre-sprint (before Fri July 5)
 - o containing filtering's quandaries: dansguardian questions, alongside opendns.com
 - o monitoring: Statistics stuff is already working on an XSCE. Anish, Santi working on a system that makes sense of that data (should have something by 0.4 definitely)
 - o b'pur updates script: <http://sugardextrose.org/projects/bhagmalpur/repository>
 - o remote config: Tim & Santi? Ansible (Tim: great for push update of client machines) or Puppet?
 - o tiny linux/preinstalled key to help above? (George)
 - o RPi & XO-1 support needed for community optics but QA investment not possible this summer?
- 2. 0.3 Finale QA, Release, Announcement (George on SD card prep, ensure you're root! Jerry: SD card does not work on XO-4) QA Results Table: <http://schoolserver.org/0.3/Testing/Results>
 George will write up.

3. July 8-12 Sprint attendees all jump together, via Minneapolis espec?
 - Mattress/sleeping bag/towel questions @ <http://schoolserver.org/0.4/Sprint>
 - Dogfooding & paying for our own tundra/fish + fine Canadian wine diet?
4. <http://Internet-in-a-Box.org> planning for 0.4 and Haiti
5. PathaGARDENING with Braddock?
6. Updates - B'pur - Anish visiting village starting Tuesday next week.
7. Update - Haiti
8. Should we be talking about use-cases and a GUI at some point. Reason: We cannot start-finish within one release cycle, so we have to think 1-2 releases ahead on this.

Tues 2PM EDT 6/4/2013 -- Bookserver Edition

- History-- Seth pick up Pathagar Feb/March 2013
- General concerns from XSCE about Pathagar -- Stability, Packaging. By including Pathagar as the first bookserver, it becomes the default server.
- OPDS - <https://en.wikipedia.org/wiki/OPDS> - what is it really good for? (unclear to Holt, needs "use case" resources)
- Bug reports for Pathagar.
- Feature requests for Pathagar: <https://github.com/PathagarBooks/pathagar/issues>
- Packaging - Sameer POC.
- How can others help?
- Icon/logo - it was clarified that Pathagar is NOT for video/media libraries
- XSCE deadlines and feature freeze dates --
http://wiki.laptop.org/go/User:Holt/XS_Community_Edition/0.4/Road_Map
- July 7/8 to 12/13 SXCE Sprint finalized: <http://schoolserver.org/0.4/Sprint>
- Initial roadmap for changes in Pathagar over the next three months
- Seth organizing "Aug 3-10" Pathagar Sprint in Boston:
<https://github.com/PathagarBooks/pathagar/wiki/Pathagar-Book-Jam.-02013-Aug>

Thur 2PM EDT 5/30/2013

- Pushing AC code to XSCE git. -- Santi.
- XO1 can handle around 30 users
- Hard drive reliability. UBS reset?
- Ebooks. -- Anna
- Avahi?
- Download dir for images. -- Tim
- RPi & TrimSlice support4real? (Chris Tyler @ Seneca College in Toronto?)
- Tim: home page for (users of) XSCE!!
- 0.3 Release Date? (George & Jerry agree June ~3 looks good if RC2 holds etc)
- July dates in Manitoba? Proposed July Sprint 1hr north of Winnipeg -- 5 full work days:
 - Mon July 8 - Friday July 12
- Bhagmalpur update/June conclusion?
 - watchdog based on <http://mmonit.com/monit/>
 - configuration management based on <http://ansible.cc/>
- license / preamble? how to credit prior authors?
- Haiti planning?
- what electrical solutions do schools really need:
 - per-country vs intl?
 - 6hrs per day vs 24hrs per day?

- efficient/hyperlocal DC 12/24V vs AC 110-120V vs AC 220V
- what good is XS power if XOs (and other computers, ereaders) can't be charged?
- solar/inverters/T-105 standardization/in-country champions
(hard question: electricians-w/o-borders go home, training who, then what a yr/decade
l8r?)

Thur 2PM EDT 5/23/2013

XSCE weekly meeting agenda.

Forward leaning

- Timing for next sprint/ 0.4 Roadmap -
http://wiki.laptop.org/go/User:Holt/XS_Community_Edition/0.4/Road_Map
- 0.4 project specs -
http://wiki.laptop.org/go/User:Holt/XS_Community_Edition/0.4/Project_Specifications

Current -

- Communications
 - Anna: I'm sometimes not entirely sure exactly what I need to test and when between all the different email threads
 - IRC Channel? Suggestion: [#schoolserver](#) on irc.freenode.net
- Release: Tue May 28 RC2? Final Release early June?
- http://wiki.laptop.org/go/User:Holt/XS_Community_Edition/0.3/Road_Map
- Future Freeze
- Git Workflow

Technical discussion

- Remaining RC2 issues
 - We're using this for bug tracking: <https://sugardextrose.org/projects/xsce/issues>
- Next steps for RC2 release
 - Disable Dansguardian by default. Anish and Santiago can enable it as needed for their use case. Currently too risky to ship in the general release.