Eclipse OpenJ9 Community Call Agenda & Minutes
April 3, 2019 11am EDT

Google Calendar invite:
Zoom link https://zoom.us/j/9102374291

https://calendar.google.com/calendar?cid=YjBnYjB0ZzNxaTZhb3NhZGZnbG0wa3BjY29AZ3JvdXAuY2FsZW5kYXIuZ29vZ2xlLmNvbQ

Discussion on OpenJ9 #planning: https://openj9.slack.com/messages/C8RBG6N2W

- join Slack via: https://join.slack.com/t/openj9/shared_invite/enQtNDU4MDI4Mjk0MTk2LWM2MjliMTQ4NWM5YjMwNTViOTgzMzM2ZDhlOWJmZTc1MjhmYmRjMDg2NDljNGM0YTAwOWRiZDE0YzI0NjgyOWI

Minutes archive:
https://drive.google.com/drive/folders/15FN_IVizGzDVurOqkgHI68F-kTF9ssoG

Attendees (please add your name and company to this attendees list):

- Adam Brousseau (IBM) - Updates in RED.
- Simon Rushton (IBM)
- Sue Chaplain (IBM)
- Dan Heidinga (IBM)
- Peter Shipton (IBM)
- Joe deKoning (IBM)
- Shelley Lambert (IBM)
- Mark Stoodley (IBM)

Recording: N/A
YouTube Channel: https://www.youtube.com/channel/UCN3mR03nrndbD2fYqvfD7AQ

Agenda:

Please add your name and company to the attendees list above.

Ask the OpenJ9 community

- Discussion of topics of interest to end users
  - More lightning talks and get them posted sooner
  - Connect the blog posts to our slack would help as well
- Status of RISC/V (Boris, Jan)
  - https://github.com/eclipse/omr/issues/3699
  - This is not the same as https://github.com/eclipse/openj9/issues/5058

- Lightning talks
    - OpenSSL - Andrew - April 10
    - JITaaS update - Marius again?
    - More JIT logs - Mark Stoodley -
    - More verbose logs? Generating full JIT logs? - Mark Stoodley - ???
    - Performance talks - Vijay + team
    - JITaaS talks
    - GC talks - Lin, Andrew
    - JitWatch, AOT, SharedClasses, trace, dump, DDR?
- Youtube stats for the videos so far:
    - 37 views Escape Analysis talk - Vijay
    - 46 views Verbose Jit Lightning talk - Mark
    - 54 views Idle Tuning talk - Ashu
    - 35 views AOT talk - Mark

- Discuss any new end user issues
    - https://github.com/eclipse/openj9/labels/UserRaised

Discussion of direction and roadmap

Review next release milestones

- 0.14.0 release of JDK 8, 11 & 12 in April
    - https://github.com/eclipse/openj9/milestone/7
    - March 25: Code Split - done
    - April 9: Milestone 1
    - April 16: updates at OpenJDK
        - Prioritize updating jdk8
        - This runs into Easter weekend
        - TODO: discuss getting help with folks in Eastern Timezones to kick off the merge
    - Simon merged the latest jdk8u content
    -

Actions from the retrospective:

- Investigate speeding up the Extensions merge process - in progress, new process will be less than 1 hour merge time
- Branch earlier to ensure stable OpenJ9 code base for release (done in 0.13, 0.14)
- Build & test both the release branch and master at OpenJ9 & Adopt leading up to the release
    - OpenJ9 to test 0.14 on the weekend
- ~~Investigate OMR build frequency - is the current 15 min too frequent?~~
    - ~~Peter retires builds when too many are running at the same time~~

        - ~~Ok to check every 15 min, but if a build is running it would be good to wait some time before starting another~~
            - ~~https://github.com/eclipse/openj9/issues/5275~~

General business:

- A regular Adopt update
    - Installers are being created for JDK8 Windows first, mac after.
    - New IcedTea tab on jenkins
    - Additional test machines being added soon, awaiting configuration
    - Discussions on the Adopt Quality Assurance (AQA) document shared https://github.com/AdoptOpenJDK/openjdk-tests/issues/965
        - First round of feedback
    - TSC approved to host binaries built by RedHat for JDK 8 & 11 (https://github.com/AdoptOpenJDK/TSC/issues/65) - repos created (jdk8 and jdk11)
    - Iced tea builds running now at Adopt. Windows build to be optional part of installer for April time frame.
    - Aarch64 machine available and configured. Running the dev builds through. Looking at native compilation instead of cross compilation.
    - New page on the website to discuss migration efforts for the JDK and for IcedTea
    - Reached out to ElasticSearch to add support for OpenJ9 & Hotspot Adopt binaries

- Move OpenJ9 to its own github organization?
    - Bugzilla link for the initial discussion: https://bugs.eclipse.org/bugs/show_bug.cgi?id=541770
    - Contributor teams bug: https://bugs.eclipse.org/bugs/show_bug.cgi?id=483563
    - Most URLs will redirect - need to confirm if both https and git protocols redirect
    - Will leads / committers become Org members? Does this allow us to create teams? https://help.github.com/articles/permission-levels-for-an-organization/
        - No, but Eclipse is looking at other tooling for this
        - Does Eclipse want us to move to a top-level to create this kind of team or stay where we are?
    - Other reasons to switch?
        - Travis.ci limits

Machines:

- https://ci.eclipse.org/openj9/computer/
- Windows
    -
- Linux x86
    - Conversions of compile machines from UB16 -> Cent6 in progress. 4063

        - Initial machine working, next step is stamping out more
        - Switch over to occur after the 0.14 release
- AIX
    - Machine leases exp Mar 1. Will apply for extension (Affects OMR as well)
        - PDP Renewal form submitted March 25
            - Funding approved, waiting on paperwork to clear
        - Machine 3 dead again 5249 - waiting on PDP support otherwise we will need to recreate it
            - Something is wrong on PDP side, waiting on support.

    - AIX @ OSU
        - Machine they gave us doesn't quite suite our needs. Disk is slow, need to setup ramdisk. Ramdisk is good once setup. Need more instances with enough ram to each have their own ramdisk. At this point if they can't evolve this offering I don't think it's a great option.
        - Ideally we would have some kind of "control panel" to create and manage our instances.
        - To start, we would need
            - 6 instances (4 OpenJ9 and 2 OMR)
            - ~8 CPU, not a hard requirement but something that can compile the sdk in ~30 minutes
            - 8GB ram
            - 50GB free disk
            - Suitable disk for compiles (i.e. don't have to use ramdisk)
    -
- Linux ppcle
    - Filled out yearly OSU usage survey. Indicated AIX would be beneficial to us.
- Zlinux
- OSX
- ARM
    - Need to source compile / test machines for OpenJ9
        - Stewart to follow up with Ed from Packet
    - First tests run on a developer build, highlighted some additional system test changes to recognize the aarch64 build type

- Goal: Run the Adopt ansible scripts regularly on OpenJ9 machines
    - Running the playbooks at OpenJ9 machines
        - Ansible Tower setup
        - Schedule to be created: #4572
        - ETA on when playbooks will be ready?
    - Ensure that developers are aware of setup / configuration changes
        - Mailing list at minimum (date stamped, searchable) but other mechanisms possible. Issue #4221

        - Machine inventory: #4573
            - Sam is working on a script to create a machine inventory.
            - In discussions with Adopt about the Jenkins-helper repo. Likely won't host it at Adopt going forward.

- Disk usage of the builds is the primary concern right now
    - Eclipse wants us to stay ~100G. Current usage: ~~168G~~ ~~159G~~ ~~104G~~ 93G
    - https://github.com/eclipse/openj9/issues/2637
    - Artifactory is in use now, since last ~Thursday. Master disk usage has dropped. As history is purged, the disk usage should continue to drop
    - Next step will be to migrate the PR builds to new pipelines and see how that addresses our footprint.
        - #2836 #2728
        - Depends separating jobs by build type. ETA this week
        - PR 5182 depends #5210
            - Test jobs have been generated with a new naming convention. Need to update 5182 to accommodate new names. ETA this week.

Website design review

- Likely meeting with Sean around the personas for the website
- 20190123: New issues posted by Sean:
    - Getting testimonial content for OpenJ9 (https://github.com/eclipse/openj9-website/issues/147)
    - Content evaluation and redesign from openJ9 homepage (https://github.com/eclipse/openj9-website/issues/146)
- Someone will be available to look at this in July - need to have firmed things up by then
- No resource to work on new website design
- Other issues posted by Sean for people to review and comment on:
    - Design for the OpenJ9 Header & Footer (https://github.com/eclipse/openj9-website/issues/156)
    - Moving "Build Your Own" Instructions into Docs (https://github.com/eclipse/openj9-website/issues/155)

AOB (please put your name by the item)

- Jenkins falling over. Needed to be restarted on Monday, and again on Tues
    - Peter to create himself a reminder to restart Jenkins on the weekend
    - Eclipse is rolling out a new build environment, but hasn't gotten to OpenJ9 yet
- Lots of great new blog content!

Next call: April 10 @ 11 AM EDT