

PAT-Call: 14-Aug-2024

Talk thread: <https://talk.openmrs.org/t/bahmni-pat-call-on-14-august-2024/43366>

AGENDA:

1. Community and other updates
2. Standard 1.0.0 Beta Release Announcement

Attendees

1. Akhil
2. Mohan
3. Sandeepkumar Yadav
4. Daniel Kayiwa
5. Angshuman
6. Sameera
7. Phanindra

Agenda

1. [Mohan] Updates on release
 - Odoo master password reset issue fixed
 - Order sets with rules were throwing errors. Issue resolved.
 - privileges for IPD module has been introduced
 - Error handling for the IPD dashboard. Issue fixed
 - Focus is currently on the release. Hopefully next week the release artifacts are aimed to be finalised
 - Community Sessions
 - 5 sessions done. Good participation from community
 - If community feels need for more session, we will do more detailed sessions on need basis
 - Java upgrade is on status quo
 - Odoo version update:
 - Stock statement report was missing, it was fixed
 - Master password issue was fixed
 -
 - Metadata - many of the issues with CIEL dataset are resolved. We are going to test with the new dataset
 - Next steps

- Ongoing documentation
- Thanks for reporting issues / feedback on the standard beta version. Please report anything that you come across

2. [Daniel]:

- The multi-tenancy work on OMRS core is ongoing. It will be targeted as a post v2.7 core release.
- OpenMRS 2.7 release is planned for 2 months from now.

Aug 7, 2024

2. [Deepak]: Need guidance on uploading CSV files using initializer
3. [Satish]: Been in contact with St. Paul's teaching hospital, Addis Ababa. They want to share some feedback and demo their enhancements on Bahmni. Dr. Biruk shall be invited to the next PAT call.
4. Community and product updates
 - Security Vulnerability
 - May 29, 2024: Started setting up Trivy scanner (<https://bahmni.atlassian.net/browse/BAH-3885>)
 - We define a cadence for having a security group discussions
 - Development based on urgency, minor ones based on capacity
 - OMRS will release 2.7.0 with java 17 version (ETA 1 week JUNE)
 - For some of the vulnerabilities, dependencies (Spring 5.6 => 6.0) demand java 17.
 - Need to investigate if the reported vulnerabilities are a serious threat in our context
 - Java 17 may be too big a jump, because we have to upgrade each dependency. Java 11 may be less work!
 - [Jun 5] Deepthi:
 - Priority is on fixing the critical vulnerabilities
 - <https://bahmni.atlassian.net/browse/BAH-3885>
 - [June 12] Deepthi:
 - Have prioritized the vulnerabilities - and team have started addressing them
 - Major vulnerabilities - around Spring and dependent libraries
 - Todo - we are doing impact analysis as well as for a component (specifically for spring upgrade) - and subsequently take a call on spring upgrade across the system.
 - [June 19] Deepthi

- Few issues fixed with Logging (log4j) - pacs-integration, odoo-connect - WIP.
 - For older versions: (0.93) - we have cherry picked the commits relevant to fixes. **We will provide documentation on how to apply such patches, but WILL NOT release binaries for older versions.**
- [June 26] Parvathy
 - Planning to upgrade JAVA version to 17 - for those having dependency to Spring boot - Bahmni-reports, Odoo-connect etc
 - Not aiming for OpenMRS & OpenELIS
- [July 3] Mohan
 - Significant update
 - Odoo-connect & reports are running on Java 17
 - OpenELIS: Most critical vulnerabilities reduced
 - Based on priority - we will look to upgrade other microservices to Java 17 (e.g. pacs integration etc)
- [July 10] Apart from OpenMRS, other components have significantly reduced critical vulnerabilities.
 - PACS Integration, DCM4Che, SMS Service - WIP
 - OpenELIS - all critical ones addressed
 - Bahmni mart - all vulnerabilities addressed
 - On hold for now - till we resolve other functional features (IPD etc)
- [July 24] Few cards has been parked for priority bugs
 - Those will be started again
 - OpenMRS image would have few vulnerabilities
 - Current version being used by Bahmni distro - 2.5.12
- Java version upgrade
 - OMRS - up from java 8 - ON-HOLD
 - Reports - already running on Java 11.
 - [July 10] - Odoo Connect and Reports upgraded to Java 17 and Spring 6.
 - [July 24] Reports → WIP
 - Beta release : Odoo connect runs with Java 17
 - Final release will have more components running with Java 17
- H&E form work - Ensuring non-coded complaints are allowed - BLOCKED

- **Odoo version update**
 - [JULY 31]
 - Documentation updated on WIKI - <https://bahmni.atlassian.net/wiki/spaces/BAH/pages/3657105447/Odoo+16+Migration+Guide>
- **Locale inconsistencies** - There are other places where such concept lookups (in user locale, and/or default locale) is not working or is inconsistent: Related Talk thread: <https://talk.openmrs.org/t/emr-api-saving-medication-is-throwing-error-in-user-locale/41066> (conceptByName method called, which uses user locale, and doesn't fall back on default locale, which causes issues if UoM isn't defined for instance in French).
 - JIRA Links for identified issues - <https://bahmni.atlassian.net/browse/BAH-3560>
 - Other language packs are getting translated and reviewed - e.g Spanish, French, Nepali
 - [July 10] Spanish translations (except IPD) are mostly done.
 - [July 10] Nepali translations are being done by Kathmandu University
 - [July 24] Most locale issues resolved
- **Bahmni Standard**
 - Issue Appointment module widget not showing time correctly - TODO
 - Conflict with service availability definition while creating appointment - IN ANALYSIS
 - MySQL 8 upgrade
 - Components affected: OpenMRS and Reports
 - EPIC Link: <https://bahmni.atlassian.net/browse/BAH-3901>
 - EPIC Link: <https://bahmni.atlassian.net/browse/BAH-3916>
 - This has been on our agenda, and with cloud providers only providing extended support with additional costs. Cloud providers are not also providing new instance creation with 5.6 and 5.7
 - We were also considering moving to MariaDB 10, but not all cloud providers support managed services for MariaDB. Hence we decided to stick to MySQL 8 for this release.
 - MySQL 8 queries are stricter - e.g. GROUP BY Clauses. We have identified a few issues with some queries

- Verification for Bahmni component database compatibility (with version 8) is ongoing. Reports database is already compatible with version 8.
- We may release with ONLY_FULL_GROUP_BY = disabled, so as to allow existing implementations to be compatible and not breaking. But we progressively move to default MySQL configurations.
- Support under Bahmni Standard
 - 2 ways, if implementations are on 0.93 or earlier, they can migrate to Dockerized standard 1.0 version. All implementations are already using Dockerized version, they can opt for in-place upgrade - the same container can be updated.
 - Backup restoration from older MySQL versions is also possible, however certain queries may break unless ONLY_FULL_GROUP_BY = disabled.
- [19-June] Some queries are reported to be significantly slowed. (e.g Getting admitted patient details). - WIP
- [26-June] Bed-mgmt and IPD ward lists are taking a lot of time and resulting in proxy timeout. We will be optimizing these queries. We will update release notes for those wanting to upgrade to Bahmni Standard with their existing databases. - DONE
- [July 17] Rahul - we now have support to configure timezones in EMR using environment variables "TZ". This is important for some modules like appointments to work properly
- CIEL dictionary - standardized data
 - Earlier versions of standard (version 0.93 and above) - came with sample data and not standard data (i.e clinical encoding to CIEL or other standards like LOINC, SNOMED etc)
 - EPIC Link: <https://bahmni.atlassian.net/browse/BAH-3916> , <https://bahmni.atlassian.net/browse/BAH-3891>
 - Starting with Standard v1.0 (as like as Lite 1.0) - we will be packaging CIEL dictionaries as default (older versions may restore their older databases). Also one may start with an empty (bare bone) database and leverage initializer or other means to load their curated content.

- [Mohan - 26 June] LIS database analysis is in progress - Analysis done, some fixes done
 - Increase column sizes for test/panel names - varchar 256
 - Only concepts that are not retired will be synced to lab
 - Case insensitive match for UoMs
- Metadata setup
 - Lab/Radiology/Procedure data organization
 - Lab ranges
 - Order types
 - Sample data - Programs, Locations, Address etc
 - Users can remove or customize the initial data
 - Bacteriology
 - [July 3] Deepthi
 - Programs and bacteriology metadata updated
 - Identified set of standard reports to be made available
 - Bed management and diagnoses - in progress
 - Lab (incl ranges) - tests/panels - in progress
 - Procedures by bodysite - in progress
 - [July 10] Akhil:
 - Map tests to panels
 - Mapping procedure to body sites
 - Updating test result ranges - WIP
 - Radiology tests are mapped to bodysites
 - [July 17] Mohan
 - Lab, Panels, Procedures are mapped
 - Radiology orders are mapped as well
 - If we map 2 different types of investigations (e.g. Radiology and Procedures to the same body part - then they show up selected on both groups)
 - On lab side, when results are synced back, errors are thrown sometimes
 - If the results are beyond the permissible limits (absolute high and absolute low) - we can throw better errors with proper messages.

- Some tests have coded data type without any associated answers.
 - Identify such concepts and check with Andrew
 - Also some tests have datatype as NA.
 - To be resolved with Andrew
- [July 17] Deepthi
 - Some of the orderables are to be marked as “saleable” for them to sync to ERP. We will be providing a CSV for such attribute association
 - All reports are now configured. Some of the forms had to be recreated for reports to work properly. (for report type involving obs-count). Implementers taking in the new CIEL database, can potentially face problems while retaining the same config and using the Forms1 observation forms.
- [July 24]:
 - Few metadata updates are being worked upon
 - Few issues has been addressed by Andrew → Will be available by next week
 - Lab ranges → Will follow in a months time post release
 - Existing implementations → wont have any impact as they will ranges configured already
 - Will help new implementations of Bahmni