- Doodle: https://doodle.com/meeting/participate/id/b4Rg1Y7e
- Date: 2022-10-XX – XX:XX UT
- Zoom details will be sent out in an e-mail

Discussion

- Should ACS forward the cbStop callback to the receivers when coming from the unexpected StartState / StopState states?
  - **ICT-20598** - Getting issue details... STATUS
- Java 17 Migration
  - Migration Plans - Java 17
  - Target is 2023APR
  - Offline docker images should upgrade the provided Java version around the time
  - Applications explicitly defining source/target/release version could be transitioned gradually
- Java EE / Jakarta EE Migration
  - Migration Plans - Jakarta EE
  - The proposal is to provide both package version of the APIs with ACS for a transition time (1 or 2 cycles at least)
- Hibernate 6.x / Spring 6.x Migration
  - This needs to be an observatory-wide transition
  - Hibernate 6 is working fine
    - Migration Plans - Hibernate 6
    - Hibernate Criteria API full deprecation, may be considerable work for some applications
  - Spring Framework 6 is working fine
    - Migration Plans - Spring Framework 6
    - Not yet officially released
      - 6.0.0-RC1: Base libraries
      - 6.0.0-M6: Security libraries
      - 5.8.0-M2: Security CAS
      - 3.0.0-RC1: LDAP
    - Small configuration changes + discourage use of HibernateTemplate
      - NullPointerException Could be fixed by changing some configurations that ended up breaking other parts of the applications
        - The official recommendation is to stop using HibernateTemplate anyway
      - getHibernateTemplate().<save,delete,get,saveOrupdate,etc.>() getSessionFactory().getCurrentSession()
      - getHibernateTemplate().execute(...) getSessionFactory().fromSession(...)
  - TMCDB Explorer as test application
    - Biggest pain was to replace Hibernate Criteria API by JPA's Criteria API
    - Several smaller changes in code and configuration
    - Additional unexpected changes in default configuration values and default behavior
    - After several tweakings, TMCDB Explorer is working fine in all the use cases tested
    - Criteria API upgrade to be delivered in 2022DEC

Short Term (2022DEC)

- Maintenance (Bug-fixing / Improvements)
- Obsolescence Management
  - No obsolescence management since 2022DEC is for stabilization
  - TMCDB Explorer to move away of Hibernate Criteria API – 2022DEC
  - Progress towards Java 17 / Jakarta EE / Hibernate 6.x / Spring Framework 6.x / Spring Boot 3.x
- Continue NC implementation study – 2022DEC
  - https://bitbucket.sco.alma.cl/projects/ALMA/repos/almasw/compare/diff?sourceBranch=refs%2Fheads%2Fnc-refactoring&targetRepoId=13
- Implement Java and C++ code coverage mechanics – 2022DEC
- ComponentCaller API Security Implementation – 2022DEC
- TMCDB Explorer JPA Criteria API – 2022DEC

Mid Term (2023FEB --> 2023APR)

- Java 17
- Jakarta EE / Hibernate 6.x / Spring Framework 6.x / Spring Boot 3.x – 2023APR 2023JUN
- C++ Modernization
    - Logging Service refactoring/change of technology – 2023FEB 2023AUG
- Development and Community OS Support
    - Jenkins Build + Phase A tests
        - Other operating systems?

Long Term (TBD)

- ACS Services Modernization
    - ZeroMQ-based BulkData transfer implementation
    - CDB API alternative (REST, SOAP, G-RPC, Falcor, ICE, etc.)
    - Logging system technology replacement (Boost::Log, etc.)
    - (Ralph) Update exceptions so they can be propagated through std::future objects
    - Interface Repository (???)
    - Naming Service (???)

De-scoped:

- Java Modules

Other Input

Not Relevant

2022DEC

* Tentative base for 2022DEC until the meeting has been held

Key	Summary	T	Created	Updated	Due	Assignee	Reporter	P	Status	Resolution

No issues found

Priorities

1. Maintenance
2. Testing Coverage Work
3. Component Caller API Security Implementation
4. NC Implementation Study
5. Obsolescence Management