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This is the second ACS development to be used in cycle 8. Below is the list of addressed tickets.

Java 11 is going to be provided in a separate branch (feature/ICT-14271), to give time to the different subsystems to upgrade.

key	summary	type	created	updated	due	assignee	reporter	priority	status	resolution
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```
git status ; git log --oneline master..integration/COMMON-2019APR
On branch integration/COMMON-2019APR
Your branch is up to date with 'origin/integration/COMMON-2019APR'.

a5d5fe4fc3 (HEAD -> integration/COMMON-2019APR, origin/integration/COMMON-2019APR) Merge remote-tracking branch
'origin/obsprep_test_phaseA' into integration/COMMON-2019APR
5c76bb889b Merge remote-tracking branch 'origin/ICT-12884-acsn-consumer-should-provide-timing' into integration
/COMMON-2019APR
50b6b08ed3 (origin/ICT-12884-acsn-consumer-should-provide-timing) ICT-12884: Fixing small typo
24e6e3205f (origin/obsprep_test_phaseA) added a delay before closing window with CoI to solve recurrent timeout
d087964319 Merge remote-tracking branch 'origin/ICT-14601-skip-readme-script' into integration/COMMON-2019APR
7101ee7b4e Merge remote-tracking branch 'origin/aat-dp-integration-refactoring' into integration/COMMON-2019APR
32437d541d Merge remote-tracking branch 'origin/ICT-12884-acsn-consumer-should-provide-timing' into integration
/COMMON-2019APR
067adf10ed Merge branch 'master' into integration/COMMON-2019APR
32084a5fd8 ICT-12884: Changing COMM_FAILURE catch for TIMEOUT and adding timing for old events re-publishing
9ff9d37353 (origin/ICT-14601-skip-readme-script) ICT-14601: Skip README and scriptForPI files from production.
Also deleted ngas 7777 instance
5bcff3dffd (origin/aat-dp-integration-refactoring) refactoring tc07 and tc05
e04cd7f0f1 ICT-12884 acsn Consumer should provide timing statistics on timeout exception
f6e7622e87 Merge remote-tracking branch 'origin/delivery/2019APR-CORR-COMMON' into integration/COMMON-2019APR
ddeb690424 Merge remote-tracking branch 'origin/bugfix/ICT-14496-ngas-jclient-misleading-exception' into
integration/COMMON-2019APR
2745b78963 Merge remote-tracking branch 'origin/feature/ICT-14297' into integration/COMMON-2019APR
69b5e43be0 Merge remote-tracking branch 'origin/bugfix/ICT-14554-master' into integration/COMMON-2019APR
b4783c6c3a Merge remote-tracking branch 'origin/bugfix/ICT-14557-master' into integration/COMMON-2019APR
335349bfd9 Merge remote-tracking branch 'origin/bugfix/ICT-13047-acsdaclean-should-clean-up-instance-s' into
integration/COMMON-2019APR
c524bebalc Merge remote-tracking branch 'origin/bugfix/ICT-14163' into integration/COMMON-2019APR
895602acb9 Merge remote-tracking branch 'origin/feature/ICT-14537-modify-nukediskless-to-perform' into
integration/COMMON-2019APR
3747b0273e Merge remote-tracking branch 'origin/ICT-14230' into integration/COMMON-2019APR
b392fc6f9d Merge branch 'master' into integration/COMMON-2019APR
4dcb16fe61 (origin/bugfix/ICT-14557-master) ICT-14557 Detach from event after event filter.
871a299579 (origin/bugfix/ICT-14554-master) ICT-14554 ArraySession event publish NPE fix.
e61ffd0f41 ICT-14554 EVENT_EB_START_TIMEOUT set back to 7 mins.
9b37bf81cf (origin/feature/ICT-14297) ICT-14297 Updating java unit tests accordingly
448a9d9b38 ICT-14297 Implementation logic for the Access component
d54dcdf03f (origin/bugfix/ICT-14163) ICT-14163: Added the participant->delete_contained_entities() method call
This is done to prevent memory leaks when topics are still in use
b46ae4e674 ICT-14297 Minimal set of changes on the access implementation classes
39113a0c7c ICT-14297 adding method (not yet implemented) to component implementation class
```


b84bc005a6 ICT-14297 Adding getAllPadInfo to Access interface
 a693d791c3 ICT-14297 Adding PadIDLSeq datastructure
 4a96ec612e (origin/feature/ICT-14537-modify-nukediskless-to-perform) ICT-14537 Modifies nukediskless to perform an on/off of cobs instead of restart
 d67b504fa7 Merge branch 'feature/ICT-14375-icd-obops-poms-2019.04' into integration/COMMON-2019APR
 d213ae8262 (origin/feature/ICT-14375-icd-obops-poms-2019.04) Upgraded poms to use ACS/ICD/ARCHIVE 2019.04 again.
 3b0619cee1 (origin/delivery/2019APR-CORR-COMMON) ICT-14357: validator fills returned error string instead of exception
 9fc33583a8 (origin/bugfix/ICT-13047-acldataclean-should-cleanup-instance-s) Merge branch 'master' into bugfix/ICT-13047-acldataclean-should-cleanup-instance-s
 2636da9bc4 Merge branch 'feature/ICT-14375-icd-obops-poms-2019.04' into integration/COMMON-2019APR
 446e11a633 ICT-14375 added @PersistenceContext to StateArchiveHibernateDao for XTSS
 ce7ab2734d (origin/bugfix/ICT-14496-ngas-jclient-misleading-exception) ICT-14496 improve misleading error message when ngas servers are not available
 6e82e77400 Merge branch 'integration/COMMON-2019APR' of https://bitbucket.sco.alma.cl/scm/alma/almasw into integration/COMMON-2019APR
 d18eafabae Merge branch 'master' into integration/COMMON-2019APR
 726bfe767d Merge remote-tracking branch 'origin/technical/ICT-14369-mvn-update-2019APR' into integration/COMMON-2019APR
 09f0aec469 Merge remote-tracking branch 'origin/feature/ICT-14344' into integration/COMMON-2019APR
 a2753e01d3 Merge remote-tracking branch 'origin/feature/ICT-14375-icd-obops-poms-2019.04' into integration/COMMON-2019APR
 2b70fe3fe7 Merge remote-tracking branch 'origin/bugfix/ACACORR-ICT-7669-master' into integration/COMMON-2019APR
 d4f84cle81 Merge remote-tracking branch 'origin/bugfix/ACACORR-ICT-7217-master' into integration/COMMON-2019APR
 15d7020ca2 Merge remote-tracking branch 'origin/bugfix/ACACORR-ICT-6043-master' into integration/COMMON-2019APR
 01f257b299 Merge remote-tracking branch 'origin/bugfix/ICT-11603-nc-supplier-event-type-name-memory' into integration/COMMON-2019APR
 525cbb955d Merge remote-tracking branch 'origin/bugfix/ICT-11604-base-nc-helper-string_dup-of-owned' into integration/COMMON-2019APR
 d4563ba3fe Merge remote-tracking branch 'origin/archive/2019MAR' into integration/COMMON-2019APR
 fa9793d268 Merge remote-tracking branch 'origin/bugfix/ACACORR-ICT-13886-master' into integration/COMMON-2019APR
 12d96735d0 Merge remote-tracking branch 'origin/ACACORR-ICT-13903-master' into integration/COMMON-2019APR
 60111860d3 Merge remote-tracking branch 'origin/bugfix/ICT-13885' into integration/COMMON-2019APR
 e12556abc5 Merge remote-tracking branch 'origin/bugfix/ICT-14391' into integration/COMMON-2019APR
 3871eb3e2c Merge remote-tracking branch 'origin/ICT-14129-support-compilation-for-python' into integration/COMMON-2019APR
 9cc6d511a2 Merge remote-tracking branch 'origin/bugfix/ICT-13047-acldataclean-should-cleanup-instance-s' into integration/COMMON-2019APR
 7b4ce7e7f0 Merge remote-tracking branch 'origin/bugfix/ICT-12785' into integration/COMMON-2019APR
 8954f19333 Merge remote-tracking branch 'origin/obops/2019MAR' into integration/COMMON-2019APR
 6f6499811c ICT-14375 reverted to ojdbc8
 6604fcbac6 ICT-14375 fed up with waiting for 2019.04 versions of other libs, reverted back to 2019.02
 a27d7a028b ICT-14375 fixed pom version after Java 11 merge
 8440ae48c3 ICT-14375 fixed pom version after Java 11 merge
 a2d192c358 (origin/feature/ICD-OBOPS-JDK11) Merged in obops/2019APR changes
 5396ff35d5 (origin/technical/ICT-14369-mvn-update-2019APR) ICT-14369 updated ARCHIVE and ICD pom versions to 2019.04-SNAPSHOT
 ed935ce7d0 ICT-14375 corrected error logging for wrong Status entity type
 e09b7a8424 (origin/bugfix/ICT-12785) ICT-12785: Small bugfix and improved clear cache to support inMemory database
 42e8ba6eeb Merge branch 'master' into bugfix/ICT-12785
 1e5022341b Merge branch 'master' into bugfix/ICT-12785
 b54127ee0b ICT-14375 added Java 11 dependencies: javax.annotation-api, jaxb-api, jacob
 be74d79779 ICT-14375 changed all pom versions to 2019.04
 be805e6f93 (origin/bugfix/ICT-11604-base-nc-helper-string_dup-of-owned) Changes implemented for ICT-11604
 5ff238c0af (origin/bugfix/ICT-11603-nc-supplier-event-type-name-memory) Changes implemented for ICT-11603
 e246f0ef8f (origin/ICT-14129-support-compilation-for-python) Changed python calls from python to fully parametrized python binary location. ICT-14129
 f91c5768a5 updated ACS version
 45600cfb87 added case to remove acsInstance*.lock
 188aed893d (origin/ICT-14230) modify variable collector interval to 5 seconds, in try catch and log message
 bbc19c0836 Modify collector_interval for testing, ticket ICT-14230.
 be97f0e73f ICT-12785: Improved algorithm to find matching hierarchies to update DALs/DAOs
 c1605bldcd ICT-12785: Include parents hierarchy when updating DALs/DAOs references
 23edb7f663 Obops JDK11 migration

The officially supported OS is the 64 bit version of "Red Hat Enterprise Linux Server release 7.6 (Maipo)". The binary distribution of ACS (tarball) is made for this OS. We also successfully use its clone "CentOS 7.5".

For all machines the expected kernel is 3.10

The expected and actual versions of compilers, ORBs and various RPMs can be found by running the command `=acsConfigReport=`, both for required RPMs and for software shipped together with ACS. To get a rough overview before installing ACS, here are the most basic ones:

- gcc: 4.8.5 RHEL 7.6
- java: 1.8.0_91
- python: 2.7.14
- ACE: 6.4.3
- TAO: 2.4.3
- mico: 2.3.13
- JacORB: 3.6.1
- omniORB: 4.2.1-2

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