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

key	summary	type	created	updated	due	assignee	reporter	priority	status	resolution

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git status ; git log --oneline master..integration/COMMON-2019FEB
On branch integration/COMMON-2019FEB
Your branch is up to date with 'origin/integration/COMMON-2019FEB'.


nothing to commit, working tree clean
44a64aaf95 (integration/COMMON-2019FEB) Merge remote-tracking branch 'origin/bugfix/ICT-14278' into integration
/COMMON-2019FEB
e9ce39cd1d (origin/bugfix/ICT-14278, bugfix/ICT-14278) Changed versions of slf4j, log4j and commons-logging to
proper ones
01ad9253cd Merge remote-tracking branch 'origin/bugfix/ICT-14278' into integration/COMMON-2019FEB
9e2ed459f0 Merge remote-tracking branch 'origin/bugfix/ICT-13963-tc_antpos-fails-with-all-asdms' into
integration/COMMON-2019FEB
4023d7185b Merge remote-tracking branch 'origin/hotfix/ICT-14262' into integration/COMMON-2019FEB
21907dbe0a Merge remote-tracking branch 'origin/hotfix/ICT-14270' into integration/COMMON-2019FEB
5fd2521996 Merge remote-tracking branch 'origin/hotfix/ICT-14260' into integration/COMMON-2019FEB
261c6bf0c1 Merge remote-tracking branch 'origin/hotfix/ICT-14259' into integration/COMMON-2019FEB
8cb1ef3766 Merge remote-tracking branch 'origin/feature/ICT-13885' into integration/COMMON-2019FEB
a8611afd54 Merge branch 'master' into integration/COMMON-2019FEB
39f81afdf4 (origin/hotfix/ICT-14260) TMCDB hardware explorer update to hibernate 5.3.7.
dff8e0c8d3 TMCDB hardware explorer updated to hibernate 5.3.7.
1a79b94eda (origin/hotfix/ICT-14259) Previous commit was intended for TMCDB/Access.
1bbd4f19b1 TMCDB/Persistence update to hibernate 5.3.7.
9676488257 TMCDB/Persistence updated to hibernate 5.3.7.
5bf3810b42 (origin/hotfix/ICT-14262) TMCDB software explorer updated with new libraries.
3f326fc501 ARCHIVE/TMCDB/Database changes for new hibernate.
523e577a1e maciManager logging harcoded version updated.
a2315c3ddd (origin/testing/AI) Merge pull request #1427 in ALMA/almasw from AAT/Archive-Services to master
a16fb888fa Merge pull request #1430 in ALMA/almasw from aat-test-AAT-TC04-ui to master
24c5208568 UI implementation for AAT-TC04.1 and AAT-TC04.2
6531f59e21 Merge branch 'hotfix/ICT-14254' into integration/COMMON-2019FEB
f83ebbb850 (origin/hotfix/ICT-14254) ICT-14254: fix jar files version
a1bc87a949 ICT-14254: fix jar files version
47209bc97e ICT-14254: fix jar files version
f9ce53a7db Merge branch 'ICT-13831-upgrade-3rd-party-archive' into integration/COMMON-2019FEB
fc284cfb37 (origin/ICT-13831-upgrade-3rd-party-archive) ICT-13831 new spring jars were not being installed into
INTROOT / ACSROOT
e0ecfa2f2e Updated product ingestor sample properties files
5b10fe3b2b Updated SQL scripts for product ingestor integration tests
4e976e54d5 ICT-14243 fixed the spring version
b11c520401 (origin/bugfix/ICT-14243-projectcode-not-compiling) Merge pull request #1425 in ALMA/almasw from AAT
/Archive-Services to master
ef908e7481 Added removal of MOUS/projectId records on the ASA_ tables and reset QA2Statuts in order to fully
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undo ingestion
fc59f99ab8 (origin/bugfix/ICT-13963-tc_antpos-fails-with-all-asdms) ICT-13839 Missing commit to prevent crashes
in antenna position calibration when computing the source direction
7941b83801 Merge pull request #1423 in ALMA/almasw from AAT/Archive-Services to master
fc100de279 Changed artifactory credentials to use a user with very restricted access, namely only download and
push from command line only in this project realm
d5a7110fed Added unit test
f318ed7588 Added method returning first MOUS from automatic products in staging area
3b5b1e0cfa Adding DB and NGAS parameters
329772a9dd (HEAD -> integration/COMMON-2019FEB, origin/integration/COMMON-2019FEB) Merge remote-tracking branch
'origin/ICT-13859-provide-event-filtering-for-reliable' into integration/COMMON-2019FEB
8ca89c27eb (origin/ICT-13859-provide-event-filtering-for-reliable) ICT-13859: Implemented event filtering to
reliable subscribers and list limit option for reliable subscribers
7626abf9f6 Merge remote-tracking branch 'origin/feature/ICT-13055' into integration/COMMON-2019FEB
93434962e2 Merge remote-tracking branch 'origin/ICT-13958' into integration/COMMON-2019FEB
1b294ce6da Merge remote-tracking branch 'origin/bugfix/ACACORR-ICT-11272-master' into integration/COMMON-2019FEB
2d45e303ea Merge remote-tracking branch 'origin/bugfix/ICT-13578' into integration/COMMON-2019FEB
ceebe56522 Merge remote-tracking branch 'origin/feature/ICT-13831' into integration/COMMON-2019FEB
8b8dc76f8a Merge remote-tracking branch 'origin/bugfix/ICT-13742-ONLINE-2019JAN-telcal-memory-corruption' into
integration/COMMON-2019FEB
71b3acd910 Merge remote-tracking branch 'origin/ICT-13831-upgrade-3rd-party-archive' into integration/COMMON-
2019FEB
bbb79ed3a7 Merge remote-tracking branch 'origin/bugfix/ICT-13963-tc_antpos-fails-with-all-asdms' into
integration/COMMON-2019FEB
92ae1b4782 Merge remote-tracking branch 'origin/techncial/ICT-13973-mvn-poms' into integration/COMMON-2019FEB
d32c3a0634 fixed conflicts
a8d8ef585c Merge remote-tracking branch 'origin/feature/ICT-13964-ignore-binary-xml-flags-C7' into integration
/COMMON-2019FEB
cf8958465b Merge remote-tracking branch 'origin/bugfix/ICT-13824-duplicated-SPWs-C7' into integration/COMMON-
2019FEB
a03bd19d36 Merge remote-tracking branch 'origin/ICT-13586-tmcdb-explorer-keepalive' into integration/COMMON-
2019FEB
d55f6699f3 (origin/ICT-13586-tmcdb-explorer-keepalive) changed default keepAlive time to 0
4475c966e5 Merge remote-tracking branch 'origin/bugfix/ICT-13589-tfint-xml-logs-are-not-being-stored' into
integration/COMMON-2019FEB
79d9607062 Merge remote-tracking branch 'origin/bugfix/ICT-14100' into integration/COMMON-2019FEB
071b223190 Merge branch 'master' into integration/COMMON-2019FEB
7795326c55 (origin/bugfix/ICT-13589-tfint-xml-logs-are-not-being-stored) updated ACS version
eb4f023294 changing path for logs if required
6e71f72c9a ICT-7905 Add a method to retrieve matching receiver bands for name
db8fa080f2 ICT-7905 Add concept of Receiver band to sensitivity calculations in core
02cba3a248 (origin/bugfix/ICT-14100) ICT-14100 bugfix, adapting to the recent scheduling ICD changes.
c5d1288caf (origin/techncial/ICT-13973-mvn-poms) Merge branch 'master' into techncial/ICT-13973-mvn-poms
14d3430016 ICT-7905 Set correct receiver temperatures and overlap for Band 5
5d86cde003 Merge branch 'feature/ICT-14000-upgrade-icd-obops-spring-ver' into integration/COMMON-2019FEB
3f64c1420f (origin/feature/ICT-14000-upgrade-icd-obops-spring-ver) ICT-14000 & ICT-13972 updated ARCHIVE/ACS
versions to 2019.02 in pom
910e148be0 (origin/feature/ICT-13831) Small improvement to the Makefile
177ee4ddcc Modifed jars to be included in some GUIs
6632acb72d Changed version of common-logging
dbbf6abe12 Removed conflicting jars after upgraded hibernate
076ed60547 Modified templates to fix code generation.
246be42720 Added changes to migrate to hibernate 5
109be050b1 Added changes to deal with problems in hibernate code generation
9e98be84b3 (origin/bugfix/ACACORR-ICT-11272-master) ICT-11272 bries of changes
4161034245 Added hibernate tools to the dependencies
8e3f114e4b Merge branch 'feature/ICT-13831' of https://bitbucket.sco.alma.cl/scm/alma/almasw into feature/ICT-
13831
8ef4dba0d4 Replaced class by the one in obops
f5f872ba76 Merge branch 'feature/ICT-14000-upgrade-icd-obops-spring-ver' into integration/COMMON-2019FEB
4e6f66d090 ICT-14000 fixes to StateSystem for xtss with Hibernate 5.3
622c0ac1be (origin/ICT-13958) ICT-13958: ASDM improvements to version parsing, support CASA 6
002c30a07a Modified Makefile to make it work
47b8213eae Merge branch 'feature/ICT-14000-upgrade-icd-obops-spring-ver' into integration/COMMON-2019FEB
0ba14961a5 Merge branch 'master' into feature/ICT-14000-upgrade-icd-obops-spring-ver
0c61ae359c Updated hibernate to 5.3.7
f468dc4834 (origin/ICT-13831-upgrade-3rd-party-archive) ICT-13831 updated spring and spring security jars which
are installed form Archive
12ad0e1ba5 Merge remote-tracking branch 'origin/feature/ICT-13587-log-keep-at-comp-startup' into integration
/COMMON-2019FEB
d559a92b16 added keepalivetime to container log
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aee34582d7 ICT-13839 TELCAL container crash on computeSourceDirection -> Handle gracefully error case when
pointing data is not available
55b1797abd ICT-14000 changed Hibernate to 5.3.7 and Spring to 5.1.3
30ea2f0f89 Merged bugfix/ICT-13772-fix-statesystem-unit-tests into ICT-14000
5a61a7ed6d Merge branch 'feature/ICT-13972-icd-obops-poms-to-2019.02' into feature/ICT-14000-upgrade-icd-obops-
spring-ver
c21e79362d ICT-13973 updated poms -> 2019.02-SNAPSHOT
483c21d22f (origin/feature/ICT-13813-integrate-in-telcal-latest-ATM) ICT-13813 Update unit tests
8df5c983b5 (origin/feature/ICT-13964-ignore-binary-xml-flags-C7) ICT-13964 Ignore binary/xml flags when
obtaining antenna-based bandpass solutions
c0bbc5468c (origin/bugfix/ICT-13824-duplicated-SPWs-C7) ICT-13824 - Correct handling of duplicated SPWs in BBs
- Improve reporting of BB Dc edge problems and negative Tsys
d5892a9d34 (origin/feature/ICT-13972-icd-obops-poms-to-2019.02) ICT-13972 updated ICD/OBOPS poms to COMMON-
2019.02
5a5ab7cf6b ICT-13813 Merge changes from Juan Ramon into delivery branch for ONLINE-2019JAN
969c7a87f4 Merge remote-tracking branch 'origin/bugfix/ICT-13883-fix-telcal-sa-probelm-with-gsl' into feature
/ICT-13813-integrate-in-telcal-latest-ATM
f31611e45c (origin/feature/ICT-13055, feature/ICT-13055) ICT-13055: Added resetReceiver boolean argument to
startSend Default value is true. When true, it calls resetSend from startSend
f2a634308e (origin/bugfix/ICT-13742-ONLINE-2019JAN-telcal-memory-corruption) do not deref ptr to scan after
removing it from the calib list, ICT-13742
3fb1958681 Merge remote-tracking branch 'origin/feature/ICT-12675-telcal-signal-path-calibration' into feature
/ICT-13813-integrate-in-telcal-latest-ATM
bc0ad9b760 Merge remote-tracking branch 'origin/bugfix/ICT-13679-clic-fails-to-read-astro-holography' into
feature/ICT-13813-integrate-in-telcal-latest-ATM
f5f83032d6 Merge remote-tracking branch 'origin/bugfix/ICT-13649-telcal-wrong-handling-of-binary-C7' into
feature/ICT-13813-integrate-in-telcal-latest-ATM
74bf410cb4 Merge remote-tracking branch 'origin/feature/ICT-13683-adapt-telcal-for-new-created-array' into
feature/ICT-13813-integrate-in-telcal-latest-ATM
4e225a9587 (origin/bugfix/ICT-13578, bugfix/ICT-13578) ICT-13578: Close the session factory at the end of the
execution.
```

The officially supported OS is the 64 bit version of "Red Hat Enterprise Linux Server release 7.5 (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 7.5
- 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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