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This is the third ACS development to be used in Cycle 9. Below is the list of addressed tickets.

- Obsolescence management including changes originally planned for 2 releases
 - CORBA Vendor Implementation
 - Java (9 dependencies + clean-up) – Most notably
 - apache commons-*. Different functionalities for math, string, io operations, client functionalities and others
 - Python (7 dependencies)
- COMMON (ARCHIVE + ICD) compatibility with ACS New Makefile
- Script to generate Maven POM files for ACS Makefile JARFILE targets
- Aligned ACE/TAO configuration header file to latest versions (Compatible with RHEL, but also with latest Fedora and recent O.S. versions)
- Groovy Jenkins script to automate release job creation
- Added compatibility module for Tomcat with Jakarta.mail 2.0.0 to ICD

key	summary	type	created	updated	due	assignee	reporter	priority	status	resolution
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```
git status
On branch integration/COMMON-2021JUN
Your branch is up to date with 'origin/integration/COMMON-2021JUN'.

git log --no-merges --oneline origin/master..origin/integration/COMMON-2021JUN -- ACS
5beda033d3 (origin/feature/ICT-18466) ICT-18466: Added generatePom script to Makefile
eae6c4b0af ICT-18466: Initial implementation of script to generate POM files
6316f10e44 (origin/feature/ICT-18718) ICT-18718: Simplified ACE/TAO config.h file to inherit from config-linux.h
00f390ef55 (origin/feature/ICT-18449) ICT-18450: Compatibility for _COMPILE=no in jar files for old MK
45f23694d5 ICT-18450: Small fix for acserr Makefile
f64d842b6c (origin/bugfix/ICT-18701) ICT-18701: Return true on initRemoteLogging if already initialized
6b72b5c488 ICT-18450: Further changes to support ARCHIVE/ICD, like plugin support
6155e42ed3 (origin/feature/ICT-18438) ICT-18438: Fixed acssamp tests for math3 new dependency
21acc340f4 ICT-18438: Replaced trilead-ssh2 by sshlib maintained fork
a1889568bb ICT-18438: Fix cdb_rdb test case for newer xmlunit version
2c084806d5 ICT-18438: commons-lang version to 2.6
119d09fc1e ICT-18438: Added lang3 version to acsMakefileCore
d629e022fc ICT-18438: Updated Java dependencies pom with commons-lang3-3.12.0
c861dfa9db ICT-18438: Small detail with version 3.12 --> 3.12.0
ae9ac8dfb3 ICT-18438: Updated dependencies commons-lang3 to 3.12
643b49d6a3 ICT-18438: Removing more duplicate dependencies from extjars
9e96aa712a ICT-18438: Removing duplicat dependencies in ACS and ARCHIVE
8a0373c7bb ICT-18438: Changes to classes for new dependency versions
ca9ff78a89 ICT-18438: Removed extjars duplicates as well as jacsutil fix lang3
349e058861 ICT-18438: Fixing typos in acs-pom.xml file
f0f2be7a18 (origin/feature/ICT-18439) ICT-18439: Changing target version for h5py as required Python >=3.7
fe614c26e5 ICT-18439: Removing 'futures' as it was readded in merge with master
9232c39433 ICT-18476: Limited XJC and Castor classpaths to the required definitions
633538548f ICT-18449: New Makefile general improvements
f905419d21 ICT-18449: New makefile improvements in libs and exe compilation
fc3be5f13a ICT-18459: Added proper handling of XSDBIND_INCLUDE dependencies
e0a5276be8 ICT-18456: Factored out the XSLT jar versions in the new Makefile
556fd72bfe ICT-18453: Splitted preparation step into auto and cross on new Makefile
5fe853bf83 ICT-18452: Added support for TAO Extensions to new Makefile
6ded1344ce ICT-18450: Aligning ACS to new Makefile
45e0961699 ICT-18438: Updated java dependencies as per Obsolescence roadmap
d9d5a164a6 ICT-18439: Uprade of Python deps according to obsolescence roadmap
```

b18403715b ICT-18437: Adding beautifulsoup4 python dependency
67cdca2f79 ICT-18367: 2021JUN version change

```
git log --no-merges --oneline origin/master..origin/integration/COMMON-2021JUN -- ARCHIVE
37ed74df29 ICT-16751 updated Makefile in order to install new jars
f667e26f6a ICT-16751 removed older jarfiles which we no longer need
bfa9513446 ICT-16751 updated scripts, datapacker and domainmodel jars
05a6252ae0 ICT-18464: No longer needed to define MODPATH on rules
a2df5cdb13 ICT-18438: Using correct hsqldb dependency version
ae9ac8dfb3 ICT-18438: Updated dependencies commons-lang3 to 3.12
96e2276c07 ICT-18438: Removing ICD dependency duplicates
9e96aa712a ICT-18438: Removing duplicat dependencies in ACS and ARCHIVE
716aa8a479 (origin/technical/ICT-18380-mvn-update-poms-for-2021jun) ICT-18380: updated poms -> 2021.06-SNAPSHOT
92c0293982 ICT-18464: Added TMCDB/Database new Makefile and group.mk files
80896275d1 ICT-18464: Added new makefile base files in ARCHIVE with tentative impl
```

```
git log --no-merges --oneline origin/master..origin/integration/COMMON-2021JUN -- ICD
60592d3a11 ICT-18679 fixed OUS PartiallyObservedToObservingTimedOut bubble-up
2623732c9b ICT-18449: Fixed small compatibility in Enumerations for old and new MK
dfca282fe7 ICT-18449: Small fix to Enumerations rules.mk file
fda587a043 (origin/feature/ICT-18706) ICT-18706: Added Extensions module to group Makefile
fea3a02b6e ICT-18706: Added tomcat's mail session factory for jakarta 2.0.0
474081e736 ICT-18465: Changes required for new and old makefile to coexist in ICD
fed72af5f0 ICT-18465: Added rules.mk files to several modules for compatibility
2fb8498095 ICT-18465: Adding pending initial files for new makefile in ICD
4dfe685f23 (origin/dashboard_ict18481) ICT-17763 pom files: removed jacorb 3.9, excluded jakarta.mail.2.0
a109a19f14 Updated ICD/OBOPS mvn versions to 2021.06
2c084806d5 ICT-18438: commons-lang version to 2.6
c861dfa9db ICT-18438: Small detail with version 3.12 --> 3.12.0
ae9ac8dfb3 ICT-18438: Updated dependencies commons-lang3 to 3.12
96e2276c07 ICT-18438: Removing ICD dependency duplicates
716aa8a479 (origin/technical/ICT-18380-mvn-update-poms-for-2021jun) ICT-18380: updated poms -> 2021.06-SNAPSHOT
7ca6851782 (origin/bugfix/ICT-17861-tmcdb-explorers-find-configuration-wizard-nullpointerexception) removed
print out message, minor change
b9d4d378d0 Included code to avoid null pointer exception when no configuration is selected
```

OS Support:

- 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 7.6"
 - For all machines the expected kernel is 3.10
- Unofficially, CentOS 8.3 has also been used successfully

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: openjdk-11.0.4
- Python: 2.7.16 and 3.6.9
- ACE: 6.5.11
- TAO: 2.5.11
- JacORB: 3.9
- omniORB: 4.2.4

The operating system dependencies are:

- redhat-lsb-core
- ksh
- gcc
- gcc-c++
- gcc-fortran
- libX11-devel
- libffi-devel
- perl
- readline-devel
- bzip2
- bzip2-devel
- openssl-devel
- openldap-devel
- libxml2-devel
- freetype-devel

- libxslt-devel
- sqlite-devel
- expat-devel
- bison
- flex
- autoconf
- unzip
- dos2unix
- tcl-devel
- tk-devel
- procmail

There is a new requirement needed to replace cppunit (Since 2020DEC):

- `cppunit-devel`

There is a new requirement needed to replace doxygen and graphviz (Since 2021APR):

- doxygen
- graphviz

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