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Persistency Framework SVN repository: User documentation

CVS to SVN migration

The CORAL and COOL repositories were moved in August 2013 from the AFS-based CERN Central CVS service cool.cvs.cern.ch and coral.cvs.cern.ch to the AFS-based CERN SVN Service [↗](#). Incomplete documentation about the CVS to SVN migration is provided in the [OLDPersistencyCvs2Svn](#) page of this twiki.

The POOL software is now being maintained (as one of its many internal packages) by ATLAS, the only experiment that still uses POOL. A read-write SVN repository for POOL has been set up in ATLAS for that purpose. The historical CVS repository for POOL (pf.cvs.cern.ch) has in any case also been migrated to SVN, solely for data preservation purposes, i.e. with the goal of maintaining long term access to this software even when the CVS servers are switched off.

SVN Web interfaces

Web interfaces to the new SVN repositories are provided using both WebSVN and TRAC.

- For COOL, see <http://svnweb.cern.ch/world/wsvn/lcgcool> [↗](#) and <https://svnweb.cern.ch/trac/lcgcool/browser> [↗](#)
- For CORAL, see <http://svnweb.cern.ch/world/wsvn/lgcoral> [↗](#) and <https://svnweb.cern.ch/trac/lgcoral/browser> [↗](#)
- For POOL, see <http://svnweb.cern.ch/world/wsvn/lcgpool> [↗](#) and <https://svnweb.cern.ch/trac/lcgpool/browser> [↗](#) (read-only repository!)

Note that the CMS experiment maintains its tools to build CORAL under [github](#) [↗](#).

SVN client access

The recommended method for accessing the SVN repositories is `svn+ssh`. Guest access via `http` is also possible.

- For COOL, use `svn+ssh://svn.cern.ch/repos/lcgcool` or <http://svn.cern.ch/guest/lcgcool> [↗](#)
- For CORAL, use `svn+ssh://svn.cern.ch/repos/lgcoral` or <http://svn.cern.ch/guest/lgcoral> [↗](#)

Note that the CORAL repository is named 'lgcoral' (and COOL is now named 'lgcool' for consistency) to avoid name clashes with the Compass experiment CORAL software framework.

Persistency Framework SVN repository: Admin documentation

SVN administration

The SVN administration [↗](#) section of the CERN SVN Service user guide describes in detail how to perform operations such as configuring access control or automatic emails on commits.

The SVN repositories are hosted on AFS. Their configuration is controlled by the `conf` and `usr-hooks` subdirectories of the `/afs/cern.ch/project/svn/repos/<project>` directories on AFS. These are only accessible to the librarian accounts for these SVN repositories (`libcoral`, `libcool` and `libcoral` for CORAL, COOL and POOL, respectively).

As described in the `admin repository` [↗](#) section of the CERN SVN Service user guide, as an alternative to changing configuration files on AFS, it is also possible to change these files in a special admin repository that is itself hosted in SVN. Any changes to the contents of this admin repository are automatically propagated to AFS. This is the recommended mechanism for CORAL and COOL, as it also allows version control for configuration changes. The admin repository can also be browsed (using the appropriate account) on WebSVN [↗](#) (but not on TRAC). In addition to the librarian accounts, the `admin/lcgcoral`, `admin/lgcool` and `admin/lcgpool` directories can be read and modified by all members of the special egroups `VC-librarians-lcgcoral` [↗](#), `VC-librarians-lgcool` [↗](#) and `VC-librarians-lcgpool` [↗](#), respectively (see [RQF0574447](#) [↗](#)); users `valassi`, `avalassi` and `cdelort` are now members of all these three egroups.

In particular, allowed writers (including `valassi`, `avalassi` and `cdelort`) and recipients of automatic emails on commits (including `Andrea Valassi` and `Charles Delort`) are defined in the following files:

- For CORAL, in `admin/lcgcoral/conf/authz` [↗](#) and `admin/lcgcoral/conf/svn-mailer.conf` [↗](#)
- For COOL, in `admin/lgcool/conf/authz` [↗](#) and `admin/lgcool/conf/svn-mailer.conf` [↗](#)
- For POOL, in `admin/lcgpool/conf/authz` [↗](#) and `admin/lcgpool/conf/svn-mailer.conf` [↗](#)

TRAC administration

After the migration from CVS to SVN, TRAC interfaces were requested for `lgcoral` and `lgcool` ([RQF0234770](#) [↗](#)) and also for `lgpool` ([RQF0249689](#) [↗](#)).

TRAC can be configured using the Web interfaces on <https://svnweb.cern.ch/trac/lcgcoral/admin> [↗](#), <https://svnweb.cern.ch/trac/lgcool/admin> [↗](#) and <https://svnweb.cern.ch/trac/lcgpool/admin> [↗](#). Initially these three TRAC repositories could only be administered by their respective librarian accounts (`lgcool`, `lgcool` and `lgcoral`), but users `valassi`, `avalassi` and `cdelort` have now been granted `TRAC_ADMIN` privileges on all three. `BROWSER_VIEW` privileges have been granted to anonymous

Computing group administration

The following e-groups are relevant to the management and communication flow for CORAL/COOL activities. The list is non-exhaustive: in particular, it does not include the many "LCG PEB" e-groups that were used initially for the management of POOL/CORAL and COOL (e.g. `project-lcg-peb-persistency` [↗](#) and `project-lcg-peb-conditionsdb` [↗](#)) and that are no longer used, but have not been deleted.

E-group	Owner	Admin e-group	Description
<code>persistency-service</code> ↗	C. Delort	<code>persistency-service</code>	Top-level management e-group. CORAL/COOL FE team in SNOW. Admins of DBOD instances.

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VC-librarians-lcgcoral	C. Delort	persistency-service	SVN admins for lcgcoral.
VC-librarians-lcgcool	C. Delort	persistency-service	SVN admins for lcgcool.
VC-librarians-lcgpool	C. Delort	persistency-service	SVN admins for lcgpool.
coral-ai-admin	A. Valassi	-	Puppet admins for coral and heposlibs AI nodes. Includes persistency-service e-group.
persistency-cluster-users	A. Valassi	-	Puppet users for heposlibs AI nodes.
heposlibs-users	A. Valassi	-	Mailing list for heposlibs rpm users.

The last three e-groups above should be cleaned up to cleanly separate private Puppet nodes, CORAL/COOL and heposlibs.

-- AndreaValassi - 2016-04-09

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