EDG Baseline API Document

Document build description and current status

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Summary

- EDG Baseline API document describes all the public interfaces of all the EDG components
- Acording to the developers guide, an interface RPM must be produced for each component. This is the responsibility of the WP responsible for the component.
- The Baseline API document is inherently tied to an EDG release.
- The document is built automatically using only the interface rpms tagged in a release as a basis, together with some additional documentation.
- For every new EDG tag/release it is then a simple task to build the baseline API document for that release.
- Was agreed to only include cpp/c/java and cli apis

How the document is built

- Checkout the ATF module from the EDG CVS repository
  - EDG_CVS/ATF/baselineAPI
- Document is built using ANT
- config/build.properties file defines all the properties for the build including the EDG release version for which to build the document.
  - The default is to build the latest release.
- Various tools under EDG_CVS/ATF/baselineAPI/scripts to parse the EDG release to extract the versions of the interface rpms.
  - makes use of the build tools and build system written by Yannick as much as possible.

Extracting the interface RPMS

- Names of interface RPMs is in the build.properties file
  - no explicit versions given
- Tools under scripts to parse the release to extract and download to the build area the version tagged in a release.
- HTML page generated and published on the ATF web page giving the explicit list of interface rpms in the release.
  - e.g edg-v2_0_0-interface.html
- Downloaded RPMs are extracted (not installed locally)
- Relevant information is copied to the local build area to build the document.

Document Versions

- Should produce an HTML, TeX and PDF
- Current interface RPMs contain mostly HTML documents geerated using doxygen/javadoc, etc
  - can easily build the HTML version of the document
- The tex/pdf version needs to be generated from the source.
  - for java, soap classes should be added to the interface rpms
  - can then use doxygen/javadoc
- Currently have only produced the HTML version
  - http://eu-datagrid.org/ATF/baselineapi.html
  - links all components' documentation in the interface rpms

Todo

- Finish automating entirely the whole process
  - currently ~ 90% finished.
- Integrate with the build system
  - automatically produce the baseline api document for each tagged release
- Produce an rpm
  - edg-baseline-api.rpm

Problem RPMS

- edg-ncs-interface
  - no documentation, only java classes
  - can’t do much with the classes !
- Still missing:
  - edg-replica-manager
  - edg-lcmaps
  - edg-lcas
  - voms-api
  - edg-replica-location-index (not integrated yet)
  - edg-fabric-monitoring