

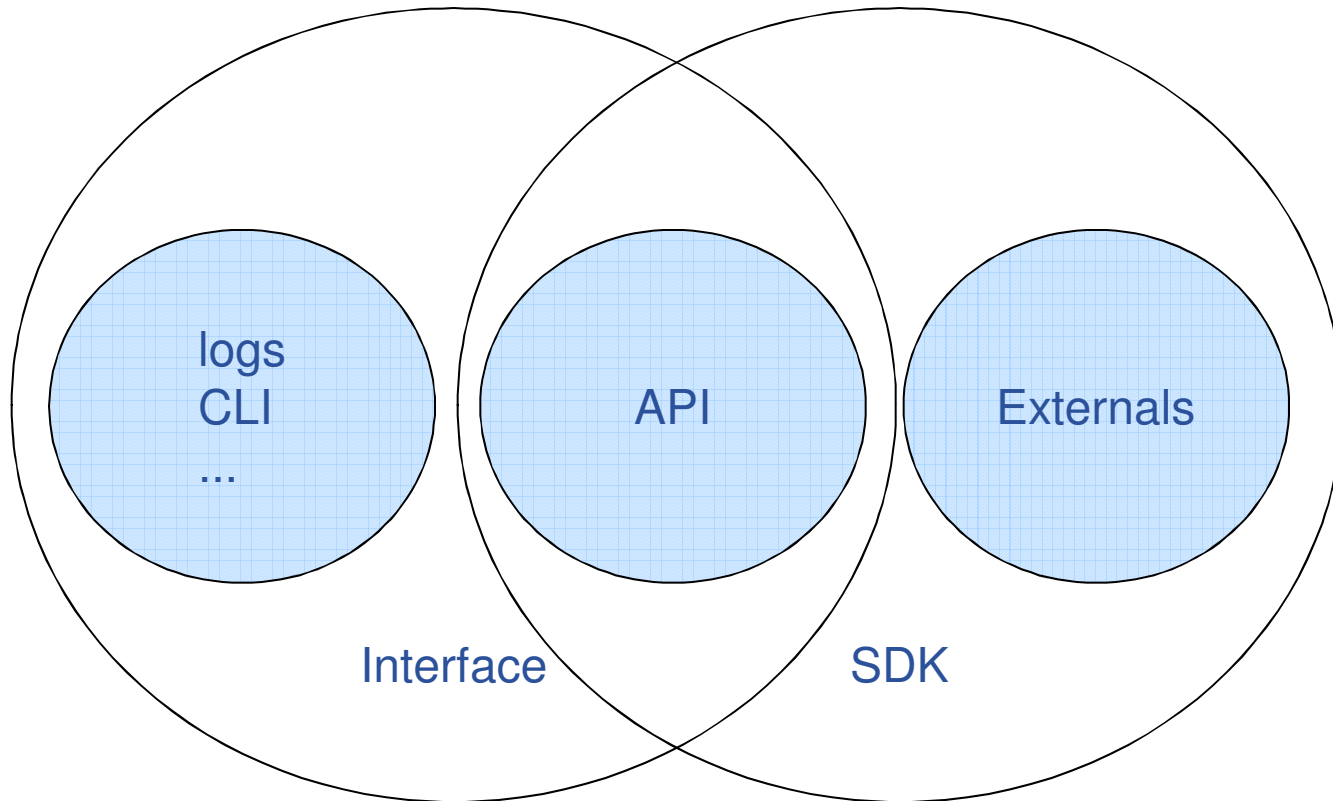
# gLite 4 planning

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- **gLite 4 is what we're calling the next release**
  - To conform to major/minor/revision versioning
  - The release horizon is after the end of the project
- **Its relationship to “EMI 1.0” is currently undefined**
  - But we need to start preparing
- **Today's objective is to agree on enough to allow us to get started**

- **Reference platform remains SL5**
- **Define external dependencies**
  - Decide EPEL/DAG (hint – the answer is EPEL)
    - Need to have an EPEL packager on the team
  - Equivalents on other platforms?
- **Versions of Condor, VDT (2.0.0/GT4.0.8)...**
- **VDT build and rpm versioning strategy**
- **Version of java, tomcat...**
  - jpackage
  - bouncycastle
- **Versions of other externals**
  - gsoap
  - ???

- **Two concepts**
  - The public interface of gLite
  - Its implementation as a build environment
    - includes externals
- **Define gLite SDK**
  - Define its scope - how much 'internal' API should be exposed?
    - Suggestion - as soon as something is used by a different product team from the maintainer, it is considered part of the SDK and part of the 'public interface'
- **For gLite 4, this is the core API which must be defined before other components**
  - releases will be built against project config `glite_sdk_4_0_0`
  - will rarely change, except for statically linked components
- **It will also be released as a node-type (ie binary rpms) to allow easy building by third parties**



- **Each team should produce a subsystem config called `sdk_4_0_0`**
  - Should contain only the public interfaces
- **Create gLite 4 SDK project configuration in ETICS**
  - Add externals
  - Attach all possible platforms
  - Set up nightly builds
- **Agree on the definition of 'interface'**
  - This is the thing that shouldn't change during a release:
  - API plus...
    - logging formats?
    - CLI?

- **Will ultimately include EMI/SA2 criteria**
- **Proper certification process followed**
- **Deployment tests in ETICS - at what level?**
  - Who implements them?
- **Conformance of ETICS configs to guidelines**
- **Source - working SRPMs**
- **Conformance to previously agreed release schedule**
- **Existence of a user guide, a sysadmin guide, API reference, etc. (when applicable), man pages**
- **...**

- **New packaging proposal (TMB approved)**
  - All files should be owned by a package
  - Relaxation of requirement to install in /opt/glite
  - Create a glite-setup package which adds eg /etc/profile.d/glite.sh
  - Inclusion of rpmlint in build
  - Requirements on ETICS ?
- **Advantages**
  - Fewer configuration steps
    - =fewer yaim invocations on upgrade
  - Easier system management
  - Convergence with distro packaging guidelines
- **<http://indico.cern.ch/conferenceDisplay.py?confId=70642>**



- **For VOMS, YAIM does the following:**
  - Modifies /etc/ld.so.conf \*
  - Creates files in /etc/profile.d \*
  - Creates symlinks in /etc/init.d \*
  - Installs (cp) a cron job for CRL handling \*
  - Runs a configuration script that:
    - creates a trivial file.
    - loads a DB schema.
  - – chkconfig --adds service. \*
  - – starts service
- **A better voms and glite-setup package with static files would:**
  - remove the 5 steps \*
  - Allow all files to be owned by package.
    - (or in directory owned uniquely by package)

- **Define upgrade policy**
  - Will we support upgrade gLite 3.2 -> gLite 4.
  - Is this compatible with changing the packaging?
- **JRA1 proposes no upgrade path**
  - NB reference platform still SL5
- **How long will gLite 3.2 be supported?**
  - And at what level?
  - Can fixes for bugs of severity < major all be put into gLite 4?
  - Proposal : we support it until needed for WLCG, making it as stable as possible for the basic components (VOMS, LCAS/LCMAPS, etc.) and allowing changes in high-level services according to WLCG needs. New things would go in gLite 4 (and EMI).

- **Release Process**
  - What changes to the current process?
    - See Francesco's recent presentations
  - What are that process's prerequisites
  - How do we manage the transition from one to the other?