



Enabling Grids for E-science

# **ETICS build of WMS with Classad-1.0**

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- **Include files (.h) reside under:**

repository/externals/classads/1.0/slc4\_ia32\_gcc346/include/classad

- **AND** contain include directives in the form:

#include <classad/headerfile.h>

-> NOT possible to simply replace include files search path (-I) with  
...include/classad

- **WANT\_NAMESPACES macro changed into WANT\_CLASSAD\_NAMESPACE in include files**

- **source.h no longer includes <iostream>**

- **Library names changed: libclassad.a libclassad\_ns.a libclassad.so libclassad\_ns.so (\_ns -> namespace)**

With respect to ETICS configuration **glite-wms\_R\_3\_1\_100**

- Add “**classad/**” in include statements in **.cpp .C .h** files and in `org.glite.build.common-cpp/m4/classads.m4`:  
i.e. `#include <classad/classad_distribution.h>`

**OR** simply

Add `-$ac_classads_prefix/include/classad` in `org.glite.build.common-cpp/m4/classads.m4`

- Replace `#ifdef WANT_NAMESPACES` with `#ifdef WANT_CLASSAD_NAMESPACE` in **.cpp .C .h** files

**AND**

Replace `-DWANT_NAMESPACES` with `-DWANT_CLASSAD_NAMESPACE` in `org.glite.build.common-cpp/m4/classads.m4`

**OR** simply

Replace `-DWANT_NAMESPACES` with `-DWANT_NAMESPACES -DWANT_CLASSAD_NAMESPACE` in `org.glite.build.common-cpp/m4/classads.m4`

- Add the include statement:  
`#include <iostream>`  
in `org.glite.wms.classad_plugin/src/classad_plugin_loader.cpp`
- Replace `-lclassad` and `-lclassad_dl` with `-lclassad_ns` in  
`org.glite.build.common-cpp/m4/classads.m4`
- Define ETICS property `classads.DEFAULT="classads v. 1.0"`  
in `org.glite` project configuration for WMS 3.2.0