

## Description of the EGEE build system files and properties

The file path is relative to the module root

File	Module	Description	Notes
build.xml	org.egee	Ant build file	Used to run the build for the entire system
project/build.properties	org.egee	Build properties in the format key=value	This file can be used to specify build properties values to be used for the entire system. Property values in this file are lower priority than command line and the user egee.build.properties files. For example setting platform=rhel30_icc80 here sets the platform for the entire system and overrides the default value rhel30_gcc32. Properties defined here can be used by all users when the files is committed to CVS
project/compilerdefs.xml	org.egee	Definitions of default values for compilers and linkers used by the Ant C/C++ tasks	Used only when Ant is used directly to compile C/C++ without using make. This file must be included in the build.xml file of all modules using Ant to compile C/C++ code
project/dependencies.properties	org.egee	Definitions of external and internal dependencies	Contains a set of properties for each external package to be used in the system, such as name, version, platform, repository, etc, plus the CVS tag of all the subsystems in the EGEE Middleware
project/egee_java_checks.xml	org.egee	Java coding guidelines	This file is used by the program Checkstyle to check the Java files for compliance with th Sun Java coding conventions

project/egee.csf.xml	org.egee	Configuration Specification File for the EGEE system	<p>Contains the list of internal and external dependencies to build a complete workspace. Running this file with the command</p> <pre>ant -f egee.csf.xml</pre> <p>extracts from CVS and the repository everything that is needed to build a version of the entire system</p>
project/envchecks.xml	org.egee	Default environment checks	<p>Contains checks to verify that the correct version of compilers, interpreters and build tools are used (for example Ant, JDK, gcc, Perl, etc). This file must be included in all build.xml file to be used in the “init” target</p>
project/external-dependencies.xml	org.egee	External dependencies manager	<p>Contains the commands used by other scripts to extract from the repository the external dependencies packages. For the moment can handle only http repositories, AFS repositories will be added soon. This files must be included in all build.xml files</p>
project/properties.xml	org.egee	System-wide property file	<p>This file contains all the common properties that must be used by all modules in the EGEE system, such as the names and location of source, build and interface directories, the location of the repository, the names of the subsystem, etc. Almost all of these properties can be overridden by using the -D switch when calling Ant or defining the properties in one of the build.properties files. This file must be included in all build xml files</p>
project/targets.xml	org.egee	Common	<p>Contains the definitions of the common targets to</p>

		targets for Java Ant-based modules	be used by all Ant-based modules as defined in the SCM Plan. This file must be included in the build files of all modules using Ant to compile Java code
project/targets-make.xml	org.egee	Common targets for all Make-based modules	Contains the definitions of the common targets to be used by all Make-based modules as defined in the SCM Plan. This file must be included in the build files of all modules using Make with or without autotools to compile C/C++ code
project/target-cpp-ant.xml	org.egee	Common targets for all C/C++ Ant-based modules	Contains the definitions of the common targets to be used by all C/C++ Ant-based modules as defined in the SCM Plan (experimental). This file must be included in the build files of all modules using Ant to compile C/C++ code
project/taskdefs.xml	org.egee	Definitions of classes and types used by Ant to perform various tasks	This file is internal to the build system. It must be included in all build.xml files
project/version.properties	org.egee	Version file	Contains the current version number, build number and age number for the EGEE Middleware suite
build.xml	org.egee.subsystem	Ant build file	Used to run the build for this subsystem
project/build.properties	org.egee.subsystem	Build properties in the format key=value	Contains build properties specific to the subsystem. Property definitions in this file are higher priority than the org.egee/project/build.properties file, but lower than command line -D and the used egee.build.properties
project/dependencies.properties	org.egee.subsystem	Internal and	Contains a set of properties for each external

		external dependencies definitions	package to be used in the subsystem, such as name, version, platform, repository, etc, plus the CVS tag of all the components in the subsystem
project/egee.subsystem.csf.xml	org.egee.subsystem	Configuration Specification File for the subsystem system	<p>Contains the list of internal and external dependencies to build a workspace with only the subsystem. Running this file with the command</p> <pre>ant -f egee.subsystem.csf.xml</pre> <p>extracts from CVS and the repository everything that is needed to build a version of this subsystem</p>
project/properties.xml	org.egee.subsystem	Subsystem-wide property file	This file contains all the common properties that must be used by all modules in the subsystem in addition to the properties already defined in org.egee/project/properties.xml. Almost all of these properties can be overridden by using the -D switch when calling Ant or defining the properties in one of the build.properties files
project/taskdefs.xml	org.egee.subsystem	Definitions of classes and types used by Ant to perform various tasks in this subsystem	This file is internal to the build system
project/version.properties	org.egee.subsystem	Version file	Contains the current version number, build number and age number for the subsystem. This file must be included in the build.xml file of all components of this subsystem

project/build.properties	org.egee.subsystem	Build properties in the format key=value	Contains build properties specific to the subsystem. Property definitions in this file are higher priority than the org.egee/project/build.properties file, but lower than command line -D and the used egee.build.properties
build.xml	org.egee.subsystem.component	Ant build file	Used to run the build for this component
project/build.properties	org.egee.subsystem.component	Build properties in the format key=value	Contains build properties specific to the component. Property definitions in this file are higher priority than the org.egee.subsystem/project/build.properties and org.egee/project/build.properties file, but lower than command line -D and the used egee.build.properties
project/version.properties	org.egee.subsystem.component	Version file	Contains the current version number, build number and age number for the component