



eTICS2
The Grid Quality Process



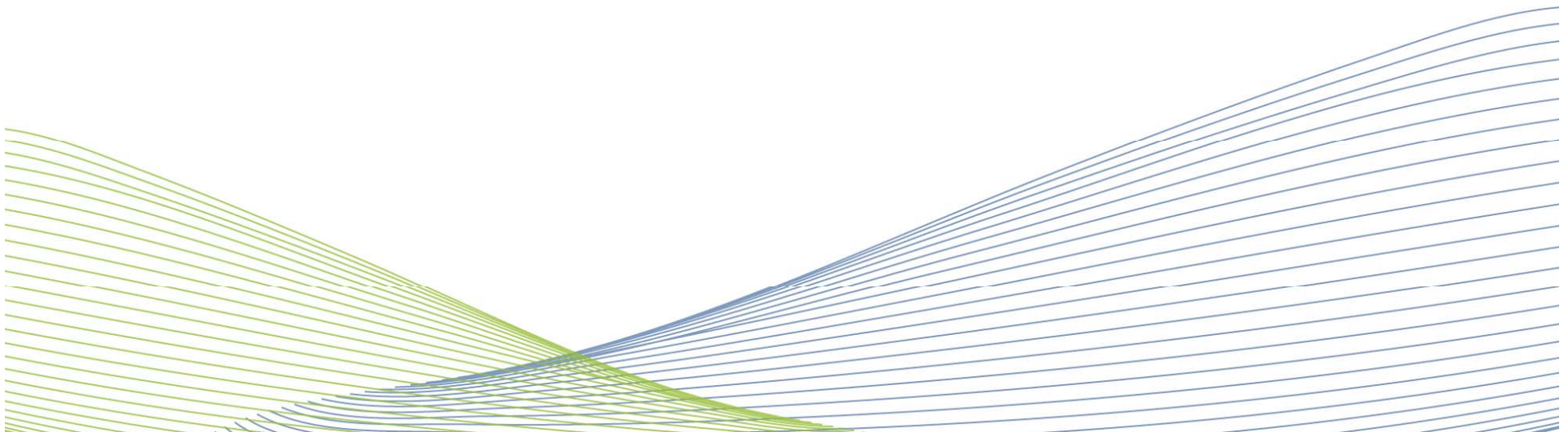
European Commission
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Module 04

Basic ETICS Usage Scenarios

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Basic Usage Scenario

How to build code and produce packages

- This hands-on session will guide the user through the basic tasks required to build code and produce some installable packages
- The pre-requisite for the session are:
 - A working installation of the ETICS Client



Walkthrough and hands-on session



Step 1

Creation of a workspace

- A workspace is where the client performs isolated sets of operations
- It is possible to have as many independent workspaces are necessary
- The local repository cache can be shared among repositories
- Actions
 - mkdir ws
 - cd ws
 - **etics-workspace-setup**



Step 2

Selecting a working project

- ETICS needs to know which project you want to work on in order to download the necessary information about its structure
- Actions
 - **etics-get-project <project-name>**
 - To get a list of available projects use **etics-list-project**



Step 3

Selecting a module and a configuration

- Once the project is set, it is possible to build the entire project or just a selected module
- A configuration (or version) of the component must also be specified
- **unset CVSROOT**
- Actions
 - **etics-checkout -c <config-name> <module-name>**
 - To get a list of available modules
 - **etics-show-module-structure <project-name>**
 - To get a list of available configurations
 - **etics-list-configuration <module-name>**



Step 4

Building the module

- Once etics-checkout has downloaded all necessary source code, binaries and information, the build can be done
- All necessary dependencies have by now been resolved and installed in the local workspace
- Actions
 - **etics-build <module-name>**



Step 5

Looking at the results

- The build may succeed or fail. The errors can be directly seen on the screen
- A full report is also produced, which can be used to do an in-depth analysis
- Actions
 - Point your browser to
 - `<workspace>/reports/index.html`
 - Look at:
 - Overview page
 - Logs and Dependencies
 - Package Lists
 - Test Results and Metrics



Next Module

05 – The ETICS Plugins and Compliance Analysis



Thanks!

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<http://www.eticsproject.eu>

