



**eTICS2**  
The Grid Quality Process



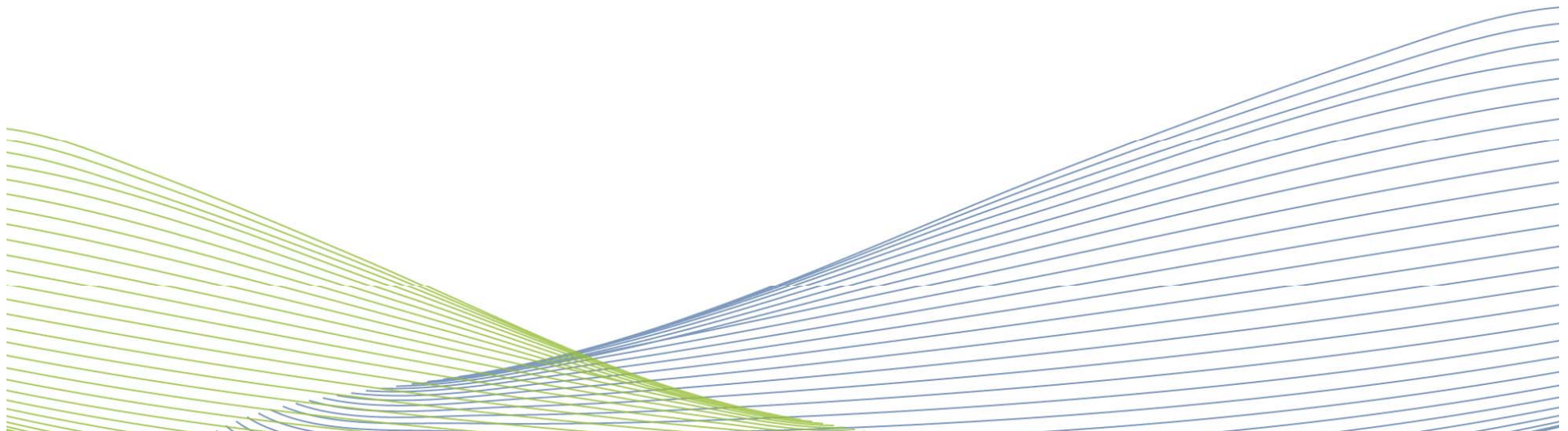
European Commission  
Information Society and Media

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# **Module 03**

## **Installing the ETICS Client**

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# The ETICS Client and APIs

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- ETICS Client and python APIs
- Local user builds and tests
- Integration with existing processes, workflows and tools
  
- Provides a set of commands to:
  - Get projects and configuration information
  - Get source code or binaries in the local repository cache
  - Build or test the code and binaries
  - Submit and monitor remote jobs
  - Edit projects definitions and configuration



# Security, authentication and authorization

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- Guest mode for checkout, build and test
- Authentication based on x509 client certificates
- Authorization based on roles (developer, integrator, tester, release manager, administrator)



# Where to get the client installation script

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- From the ETICS Web Site:
  - <http://etics.web.cern.ch/etics/download.htm>
- Directly from the ETICS Repository
  - `wget http://eticssoft.web.cern.ch/eticssoft/repository/etics-client-setup.py -O etics-client-setup`
  - `python etics-client-setup`



# Installation prerequisites

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- The installation script currently works on Linux-based system
- The ETICS Client works also on Windows, but requires some manual steps (covered in another tutorial)
- The following required packages have to be present (they are not installed by the script)
  - python-devel (python-dev on Debian)
  - openssl (libssl on Debian)
  - openssl-devel (libssl-dev on Debian)
  - flex



# Client Configuration

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- Environment
  - export ETICS\_HOME=<installation directory>
  - export PATH=\$ETICS\_HOME/bin:\$PATH
- Configuration files
  - System file: \$ETICS\_HOME/etc/etics.conf (all users, all workspaces)
  - User file: ~/.etics.conf (current user, all workspaces)
  - Workspace file: <ws dir>/etics.conf (current workspace)
- Security
  - Certificate/key path can be set in the configuration files or using standard X509\_\* env vars



## Walkthrough and hands-on session



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## Next Module

# 04 – Basic ETICS Usage Scenarios





# Thanks!

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<http://www.eticsproject.eu>

