

# Service Installation Step by Step

## Base platform

The ETICS Services deployment has been proven to work on SLC5 64-bits platform. Other RH-based distributions might be operating correctly however were not fully tested.

## Prerequisites

In order to guarantee correct operation of [MySQL](#) server a proper security policy must be applied to OS.

## MySQL database

It is assumed that no [MySQL](#) database operational instance is running at the target server. The [MySQL](#) server is meant to be installed during the described here installation process. In case the [MySQL](#) server is already operational a respective user and passwords need to be provided to guarantee correct database access.

## Security certificates (etics server)

The host security certificates needs to be present on target etics server under: **/etc/grid-security**. The certificates should be accessible with passwords.

1. hostcert.pem
2. hostkey.pem
3. hostcert.pkcs12 (same as above in pkcs12 format)
4. hostcert.chain - Certification Authority Chain

## Conflicting packages

The installation will not succeed if the following packages are present in the system:

1. jpackage-utils - conflicting with tomcat5
2. mysqlq - conflicting with [MySQL](#)-server v5.x
3. in case there is a jdk vs. java conflict one might need to disable the jpackage repository (enabled=0 inside jpackage.repo file)

## Basic Installation Procedure

- fetch the repository for etics software `wget http://eticssoft.web.cern.ch/eticssoft/internal/public/dist/config/yum/etics-production.repo -O /etc/yum.repos.d/etics-production.repo`  
or for **pre-production** `wget http://eticssoft.web.cern.ch/eticssoft/internal/public/dist/config/yum/etics-pre-production.repo -O /etc/yum.repos.d/etics-production.repo`
- install the ETICS server or repository together with its dependencies `yum install etics-deployment-server / yum install etics-deployment-repository`
- Edit parameters in the section 'common' and 'server' or 'repository' depending on which service you are deploying. Configuration files: `etics.server.conf` and `etics.server_defaults.conf` are located under: `/opt/etics/deployment/`. Parameters in the 'common' section must be defined. For the server deployment one must also specify repository server DN as extracted from repository server certificate.
- You may also want to change the passwords for different services like: database, keystore.
- from within the `/opt/etics/deployment` directory run the configuration script which will configure various services and register them in the system  
`cd /opt/etics/deployment`  
`sh configure.sh server | repository`

## Verifying the service presence

At this point you should be able to verify the success of your installation by opening the ETICS Server or repository page at address:

- ETICS Server: <https://hostname:8443/eticsPortal/> or <https://hostname/eticsPortal/>

- ETICS Repository Server: <https://hostname:8443/repository/download/>

## Other documentation

Installation Deployment guide (draft version, but usable) can be found under [http://eticsoft.web.cern.ch/eticsoft/internal/public/docs/InstallationDeploymentGuide\\_v09g.pdf](http://eticsoft.web.cern.ch/eticsoft/internal/public/docs/InstallationDeploymentGuide_v09g.pdf)