

ETICS Release Procedure

Prepare hardware

1. Prepare the new hardware machines from scratch.
2. Activate TSM backup system.
3. Firewall rules in place (lcfw package present) (predefined set IT GD GD_ETICS_CONDOR_SERVER in netops). (eugrid.repo needs to be installed, it is located in /dist/config/yum in the afs directory of etics)

Shutdown of services

Disable monitoring and alarms

1. Disable services monitoring in etics-aux (*/*5 * * * * python /opt/etics/monitoring/SLS/sls.py; in etics-aux as eticsbld user)
2. Disable SMS alarming (59 * * * * sh /opt/etics/monitoring/test_DELLRack.sh > /dev/null)
3. Turn off firewall (service iptables stop)

Etics Server

1. Stop the service (**sync** with repository)
 - a. service condor.boot stop.
 - b. service tomcat5 stop.
 - c. service httpd stop.
2. Perform the database backup.
3. Enable redirection to "We are working..." webpage. [FAQ ETICS Release Procedure](#)
4. Service http start.

Etics Repository

1. Stop the service (**sync** with server).
 - a. startShutdown.
 - b. service tomcat5 stop.
2. Perform the database backup. (/etc/cron.daily/eticsSystem_backup.sh)

Services Installation

1. Make sure a proper link is in place for repository->datastore (**datastore -> /afs/cern.ch/project/etics/repository/datastore**) (/home/repository)
2. Make sure a proper link is in place for **FSRepositoryRoot** (in etics.server.conf->fs_registered_repository_root) (**/afs/cern.ch/project/etics/repository**)
3. Make sure a proper link is in place for **FSVolatileRoot** (in etics.server.conf->fs_volatile_repository_root) (**/afs/cern.ch/project/etics/builds**)
4. Modification of the link in /afs/cern.ch/project/etics/repository/org.etics/org.etics.plugins/plugins-list.xml and the link /afs/cern.ch/project/etics/repository/etics-client-setup.py.
5. Install and configure the new etics software in the new hardware machines
6. Add necessary ssh-keys
7. Change Alias (contact Gyorgy Balazs)
 - a. use ChangeAlias.py located in /opt/etics/deployment/
8. Databases imported (etics and nmi_history) and post_install script launched
9. Copy indexes directories in the new etics-repository

Post Installation Setup

1. Active ('Running') builds imported via database transfer removed from the active queue(nmi_rm)
2. All available test-suites passed correctly (see /opt/etics/deployment/test/)
3. Query cache size correctly set for **MySQL** database (/etc/my.cnf 48MB)
4. Min/max memory heap set for tomcat (/etc/tomcat5/tomcat5.conf JAVA_OPTS="-Xms2048m -Xmx2048m")
5. Automatic updates disabled (/etc/sysconfig/yum-autoupdate YUMUPDATE=0)
6. Etics-certificates imported into keystore (run test scripts in /opt/etics/deployment/test/ or do it manually with keytool)

7. Verify the presence of 'ETICS CA' in the keystore(the same)
8. Deactivate the parallel submission/registration if needed (/opt/etics/etc/nmi)
9. Databases backup script in place (to be run manually)/usr/share/tomcat5/bin/server_backup.sh (set afs password and mysql password)
 - a. edit DB_ROOT_PASSWORD(initially is empty) in the file /usr/share/tomcat5/bin/server_backup.sh (see the password in the old server)
 - b. mysqladmin password (same password here)
 - c. Copy the password located in the file /usr/share/tomcat5/conf/eticsbld.haslo from the old server to the new one. Delete from the old one the password
 - d. Change the old server password
10. Disable any other backups (from previous production node)
11. MySQL database password for root not empty (set manually)
12. RSS feeds on the 'Welcome' page copied from old production server (/opt/etics/share)
13. New RSS feed added (related to new Release)

Restart Services and Final Testing

1. Restart the node and verify all services are operational
2. Execute /etc/cron.hourly/firewall.cron
3. Restart repository service (needed for correct SSL-handshaking)
4. Restart Repository Service (needed for correct SSL-handshaking)
5. Start ETICS Service
6. Enable services monitoring
7. Service available under <https://etics.cern.ch> (server restart is recommended after the DNS change)
8. Service available under <https://etics-repository.cern.ch> (repository restart is recommended after the DNS change)
9. Check whether SLS status is reported correctly (<http://sls.cern.ch/sls/service.php?id=ETICS>) after activating SLS check.
10. Refresh Repository Hostname with <https://etics-repository.cern.ch/repository/services/RepositoryService?method=refreshHostName>
11. Connection to repository server (try statistics refresh)
12. Build/test submission correctly completed (test of entire chain)
13. New features tested