

ETICS Monitoring Framework

Introduction

The ETICS Monitoring Framework is a system for checking the Worker Nodes, Hypervisors and Servers of the ETICS Infrastructure. It is composed by a python module that executes the checking scripts.

ETICS Monitor Daemon

The ETICS Monitor Daemon is composed by two files:

- An init.d script.
- A Python 2.4 module with the main behavior.

Autoupdate

The script is autoupdated himself if it finds a new update available and restarts itself automatically.

Scripts

Condor Queue Checker

This script checks if the Worker Node is running condor and if so, if it is connected to the Condor Pool specified in the condor_config.file.

SSH Keys Retriever

This script obtains the ssh keys placed in <http://eticsoft.web.cern.ch/eticsoft/monitoring/sshkeys> and add them to the authorized_keys(2) file.

How to upgrade an script

Once an script is created or updated the Script List <filelist.xml> has to be updated adding or updating the line with the new script filling the following fields:

- Name: The name of the file.
- Time: The interval of execution of the script (in seconds)
- HASH: The md5sum of the file.

Source Location

The source are stored in two places:

- In the ETICS SVN repository: <http://svn.cern.ch/guest/etice/> stored in org.etice.monitoring.etice-monitor module. Here the code is submitted when it is being developed.
- In the ETICS Software web: <http://eticsoft.web.cern.ch/eticsoft/monitoring> (accessing /afs/cern.ch/project/etice/monitoring). It is placed here to the live update every time the monitoring has a new functionality.