

SAM CMS Basic Test

Full name: **org.cms.WN-basic**













Maintainer: **Andrea Sciabà**

Overview



This script does some basic sanity checks of the CMS software installation area and of the local site configuration.

Checks

This script checks:

-  that the CMS software directory (`$VO_CMS_SW_DIR` for EGEE and `$OSG_APP/cmssoft/cms` for OSG) is defined, existing and readable
-  that the CMS software initialisation script (`cmsset_default.sh`) exists and can be sourced without errors
-  that the `$CMS_PATH` variable is defined and its value is an existing directory
-  that the `$CMS_PATH/SITECONF/local/JobConfig` directory exists
-  that the `$CMS_PATH/SITECONF/local/JobConfig/site-local-config.xml` file exists
-  that it has entries for
 - ◆ the trivial file catalog
 - ◆ the local stage out
 - ◆ the site name
 - ◆ FroNTier
-  that the TFC file exists with the name and location indicated in `site-local-config.xml`
- that the local site configuration file is equal to the GIT version in <http://cmssw.cvs.cern.ch/cgi-bin/cmssw.cgi/COMP/SITECONF/?cvsroot=CMSSW>
 - ◆  if different but local file modified in last 72h (assume someone is working on it)
 - ◆  if different and local file not modified in last 72h
- that the local TFC site is equal to the GIT version as above
 - ◆  if different but local file modified in last 72h (assume someone is working on it)
 - ◆  if different and local file not modified in last 72h
-  that `lcg-cp` and `GFAL OR srmcp` exist with a high enough version number

Legend

- : failure of this check generates an ERROR
- : failure of this check generates a WARNING

Source code

- <https://gitlab.cern.ch/etf/cmssam/blob/master/SiteTests/testjob/tests/CE-cms-basic>

Known issues

- The test does not even produce a warning if the CVS copy does not exist. Is this a desirable behaviour?

Troubleshooting

- ERROR: local site configuration file differ from CVS. Solution: make sure that the correct version of the local site configuration is both locally installed and committed to CVS.

-- StefanoBelforte - 22 Feb 2007

Responsible: StefanoBelforte

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