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Sita Admin Corner

Italian Production sites

you can find here the list of Italian sites.

Migration to APEL as accounting system

Information on how to install APEL in a resource centre

CVMFS service for argo

CVMFSArgo

CVMFS service for virgo

CVMFSVirgo

Central banning setup for sites

Howto for NGI_IT sites only available here

Scheda informativa sul security service challenge 6 (ssc6)

Informazioni utili ai siti che partecipano alla simulazione di un incidente di sicurezza

Controlli con Glue Validator

Informazioni sullo strumento e segnalazioni degli errori

National Squid service for CVMFS

If you are going to run jobs on your cluster using CernVM-FS you should also use squids to cache data at your site. In case you decide to not install a squid service at your site or in case of failover at your site, Italian NGI provide a National squid service accessible **only by registered italian sites**.

We have two squids with ACLs based source and destination. If you decide to use this service, please open a ticket through XGUS providing:

- the network information of your WNs (eg 131.154.101.0/255.255.255.0);
- the cvmfs server(s) your WNs need to contact (eg: cvmfs-gridit.cnaf.infn.it);
- add the line
  `CVMFS_HTTP_PROXY="http://squid01.cnaf.infn.it:3128|http://squid02.cnaf.inf`
  to the configuration of the cvmfs client on each WN (usually under `/etc/cvmfs/config.d/`).

Eg. for VO gridit:
`/etc/cvmfs/config.d/gridit..conf:CVMFS_HTTP_PROXY="http://squid01.cnaf.infn.it:`

Using National Squid service for failover

If you run local squid service, you can also add the national squid servers for failover case.
`CVMFS_HTTP_PROXY` is used to specify the squid server(s) to be used for local caching. It supports both load balance and failover:

- **failover mode**: use a semicolon (http://squid1.localdomain:3128;http://squid2.localdomain:3128)
- **load balance mode**: use a pipe (http://squid1.localdomain.3128|http://squid2.localdomain:3128)
- **both for failover and load balance** (http://squid1.localdomain:3128|http:squid2.localdomain:3128;http://squid01.cnaf.infn.it:3128|http://squid02.c)

Configuration test for failover

Thanks to E. Mazzoni, INFN-PISA.

```
# cmssquid.pi.infn.it and cmssquid2.pi.infn.it primary group, squid01.cnaf.infn.it and squid01.cn

# Normal behaviour
[root@stormgf1 ~]# cvmfs_talk -i belle.cern.ch proxy info
Load-balance groups:
[0] http://cmssquid.pi.infn.it:3128, http://cmssquid2.pi.infn.it:3128
[1] http://squid01.cnaf.infn.it:3128, http://squid02.cnaf.infn.it:3128
Active proxy: [0] http://cmssquid.pi.infn.it:3128

# Failover behaviour (cmssquid.pi.infn.it and cmssquid2.pi.infn.it denied by acl on router)
[root@stormgf1 ~]# cvmfs_talk -i belle.cern.ch proxy info
Load-balance groups:
[0] http://cmssquid2.pi.infn.it:3128, http://cmssquid.pi.infn.it:3128
[1] http://squid02.cnaf.infn.it:3128, http://squid01.cnaf.infn.it:3128
Active proxy: [1] http://squid02.cnaf.infn.it:3128
```

Table

List of the cvmfs servers and sites supported by national squid server.

cvmfs servers
cernvmfs.gridpp.rl.ac.uk
cvmfs02.grid.sinica.edu.tw
cvmfs-atlas-nightlies.cern.ch
cvmfs.fnal.gov
cvmfs-gridit.cnaf.infn.it
cvmfs.racf.bnl.gov
cvmfs-repo-superb.cnaf.infn.it
cvmfs-stratum-one.cern.ch

Sites	Note
IGI-BOLOGNA	primario
INFN-CATANIA	failover
INFN-FERRARA	primario
INFN-PISA	failover
INFN-ROMA2	primario
Siti Scope UNINA	failover
TRIGRID-INFN-CATANIA	failover
UNI-PERUGIA	primario

Useful link

- EGI CVMFS Task Force
- CVMFS home page
- CVMFS - Beyond LHC Computing

Upgrade Plan

- SHA-2 Compliant Campaign

Tutorial

V Corso di formazione INFN per amministratori di siti GRID
Agenda
Tutorial WNoDes
Tutorial StoRM
Tutorial Cream
Tutorial Yaim

Notes about services from IGI middleware, based on EMI/UMD

These notes are provided by site admins on a best effort base as a contribution to the IGI communities and MUST not be considered as a subsitute of the Official IGI documentation . This document is addressed to site administrators responsible for middleware installation and configuration.

Information about ARGUS and gLexec Deployment

* **Actions** for site-admins

Table about Installation and Configuration of Grid services EMI-3

The core services are those that are typically shared by multiple VOs and which interact with the resources made available at the Grid Site level. They should not be installed at Site level.

Service Type	Service Name	Installation Notes	Provider	O.S.
CORE service	LCG file Catalog (LFC)	Notes about Installation and Configuration of EMI-3 (SL6) LFC server	EMI-3	SL6
CORE service	MyProxy	Notes about MyProxy - EMI-3 - SL6	EMI-3	SL6

Table about Installation and Configuration of Grid services EMI-2

The core services are those that are typically shared by multiple VOs and which interact with the resources made available at the Grid Site level. They should not be installed at Site level.

Service Type	Service Name	Installation Notes	Provider	O.S.
SITE service	User Interface (UI)	Notes about installation and configuration of EMI-UI - EMI-2 SL6	EMI-2	SL6
SITE service	Torque server stand alone (no cream)	Notes about torque server - EMI-2 SL6	EMI-2	SL6
SITE service	Cream Computing Element (without TORQUE) with MPI	Notes about Cream without Torque with MPI - EMI-2 SL6	EMI-2	SL6
SITE service	Worker Node (WN) + TORQUE + MPI + GLEXEC	Notes about WN (torque, mpi, glexec) - EMI-2 SL6	EMI-2	SL6
SITE service	Cream Computing Element (CE CREAM) + TORQUE	**TODO**	EMI-2	
SITE service	Worker Node (WN) + TORQUE + GLEXEC	**TODO**	EMI-2	
SITE service	Worker Node (WN) + TORQUE + MPI	**TODO**	EMI-2	
SITE service	site-bdii	Notes about site-bdii EMI-2 SL6	EMI-2	SL6
SITE service	StoRM Storage Element (StoRM SE)	**TODO**	EMI-2	
SITE/CORE service	Home Location Register (HLR)	**TODO**	IGI	
CORE service	MyProxy	Notes about MyProxy - EMI-2 - SL6	EMI-2	SL6
CORE service	top-bdii	Notes about top-bdii - EMI-2 - SL6	EMI-2	SL6
CORE service	Workload Management System (WMS)	**TODO**	EMI-2	
CORE service	Logging & Bookepping (LB)	**TODO**	EMI-2	
CORE service	LCG file Catalog (LFC)	Notes about Installation and Configuration of EMI-2 (SL5) LFC server	EMI-2	SL5
CORE service	File Transfer Service (FTS)	**TODO**	EMI-2	
CORE service	VOMS	Notes about Installation and Configuration of EMI2 VOMS-MySQL on SL6	EMI-2	

References

1. About IGI - Italian Grid infrastructure
2. About IGI Release
3. IGI Official Installation and Configuration guide
4. Troubleshooting Guide for Operational Errors on EGI Sites
5. Grid Administration FAQs page

Outdated Guides

gLite middleware (OUTDATED)

Notes about services based on gLite middleware

How to join, installing and configure igi.italaingrid.it VO on your site (OUTDATED)

How to join, installing and configure igi.italaingrid.it VO on your site

Table about Installation and Configuration of Grid services EMI-1 (OUTDATED)

The core services are those that are typically shared by multiple VOs and which interact with the resources made available at the Grid Site level. They should not be installed at Site level.

Service Type	Service Name	Installation Notes	Provider
SITE service	User Interface (UI)	Notes about Installation and Configuration of UI	EMI-1
SITE service	Cream Computing Element (CE CREAM) + TORQUE with ARGUS	Notes about Installation and Configuration of CREAM and TORQUE	EMI-1
SITE service	Cream Computing Element (CE CREAM) for TORQUE	Notes about Installation and Configuration of CREAM for TORQUE	EMI-1
SITE service	Worker Node (WN) + TORQUE + GLEXEC	Notes about Installation and Configuration of WN TORQUE GLEXEC	EMI-1
SITE service	Worker Node (WN) + TORQUE + MPI	Notes about Installation and Configuration of WN TORQUE MPI	EMI-1
SITE service	Stand Alone TORQUE Server	Notes about Installation and Configuration of TORQUE	EMI-1
SITE service	site-bdii	Notes about Installation and Configuration of a Site BDII	EMI-1
SITE service	StoRM Storage Element (StoRM SE)	**TODO**	EMI-1
SITE/CORE service	Home Location Register (HLR)	**TODO**	EMI-1
CORE service	MyProxy	Notes about Installation and Configuration of myproxy	EMI-1
CORE service	top-bdii	Notes about Installation and Configuration of a Top BDII	EMI-1
CORE service	Workload Management System (WMS)	Notes about Installation and Configuration of a WMS and LB	EMI-1
CORE service	Logging & Bookepping (LB)	**TODO**	EMI-1
CORE service	LCG file Catalog (LFC)	Notes about Installation and Configuration of a LFC server	EMI-1
CORE service	File Transfer Service (FTS)	**TODO**	EMI-1
CORE service	VOMS	Notes about Installation and Configuration of VOMS-MySQL	EMI-1

-- PaoloVeronesi - 2013-11-20

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