

# Table of Contents

<b>YAIM 3.1.1 Certification.....</b>	<b>1</b>
Developers testing.....	1
Fresh install and upgrade testing.....	1
yaim 3.1.1 for gLite 3.0.....	2
yaim 3.1.1 for gLite 3.1 (WN and UI only).....	3
TCD Certification report.....	3
UCY Certification report.....	3
CERN Certification report.....	3
Fresh install testing.....	4
TAR UI.....	4
glite-UI.....	4
glite-WN.....	4
glite-DPM.....	5
glite-FTS.....	5
glite-LFC.....	5
glite-BDII.....	5
glite-CE.....	6
.lcg-CE.....	6
SE Classic.....	6
New WMS.....	7
glite LB.....	7
glite MON.....	7
lcg RB.....	7
Upgrade testing.....	8
Bugs.....	8
glite-yaim-core.....	8
3.1.1-3.2_head.....	8
3.1.1-3.1_head.....	9
3.1.1-2.4_head.....	9
3.1.1-2.3_head.....	9

# YAIM 3.1.1 Certification

## Developers testing

Component	Upgrade SLC3 (glite 3.0)	Clean Installation SLC3 (glite 3.0)	Upgrade SLC4 (glite 3.1)	Clean Installation SLC4 (glite 3.1)
UI	YES - Maria	YES - Maria	YES - Maria (from 3.1.0)	YES - Maria
TAR UI	NA	YES - Andreas	NA	YES - Andreas
WN	YES - Maria	YES - Maria	YES - Maria (from 3.1.0)	YES - Maria
TAR WN	NA	YES - Andreas	NA	YES - Andreas
DPM	YES - Gergo	YES - Gergo	Not supported	Not supported
LFC	YES - Gergo	YES - Gergo	Not supported	Not supported
FTS	YES - Gergo	YES - Gergo	Not supported	Not supported
new WMS	YES - Nuno (new bash scripts)	YES - Nuno (new bash scripts)	Not supported	Not supported
old WMS	YES (python)	YES (python)	Not supported	Not supported
BDII	YES	YES	Not supported	Not supported
CE	YES (python scripts)	YES (python scripts)	Not supported	Not supported
lcg CE	YES - Gergo	YES - Gergo	Not supported	Not supported
RGMA	YES - Laurence	YES - Laurence	Not supported	Not supported
RB	YES	YES	Not supported	Not supported
VOBOX	YES	YES	Not supported	Not supported
My Proxy	YES	YES	Not supported	Not supported

## Fresh install and upgrade testing

YAIM 3.1.1 certification can be tracked in the following Savannah patches:

- [3.0 repository](#)
- [3.1 repository](#)

Component	gLite 3.0 Tester	Upgrade SLC3 (glite 3.0)	Clean Installation SLC3 (glite 3.0)	gLite 3.1 Tester	Upgrade SLC4 (glite 3.1)	Clean Installation SLC4 (glite 3.1)
UI	CERN	YES	YES	GRNET	YES (from 3.1.0)	YES
TAR UI	CERN	NA	YES	CERN	NA	YES
WN	CERN	YES	YES	GRNET	YES (from 3.1.0)	YES
TAR WN	CERN	NA	YES	CERN	NA	YES
DPM	GRNET	YES	YES	NA	Not supported	Not supported
LFC	UCI	YES	YES	NA	Not supported	Not supported
FTS	TCD	YES	YES	NA	Not supported	Not supported
WMS	CERN	YES	YES	NA	Not supported	Not supported
LB	CERN	YES	YES	NA	Not supported	Not supported
BDII	GRNET	YES	YES	NA	Not supported	Not supported
glite CE	CERN	YES	YES	NA	Not supported	Not supported
lcg CE	IFIC	YES	YES	NA	Not supported	Not supported

SE classic	CERN	YES	YES	NA	Not supported	Not supported
RGMA	TCD	YES	YES	NA	Not supported	Not supported
RB	CERN	YES	YES	NA	Not supported	Not supported
VOBOX	CERN	YES	YES	NA	Not supported	Not supported
My Proxy	CERN	YES	YES	NA	Not supported	Not supported
SGE	CESGA	YES	YES	CESGA	To be checked	To be checked
dcache	DESY	YES	YES	DESY	To be checked	To be checked

## yaim 3.1.1 for gLite 3.0

### • UPGRADE

- ◆ Use the certification repository to install your service via APT. This is the string you have to use:

```
rpm http://lxb2042.cern.ch/gLite/APT/R3.0-cert rhel30 externals Release3.0 updates updates.certif
```

- ◆ After configuring and starting your service, proceed to upgrade yaim.
- ◆ Apply patch #1209 by adding to your APT string at the end "patch1209.uncertified":

```
rpm http://lxb2042.cern.ch/gLite/APT/R3.0-cert rhel30 externals Release3.0 updates updates.certif
```

- ◆ **NOTE:** Please, make sure yaim-core and the necessary yaim modules have been installed. Otherwise, update manually since the metapackages might not contain the right dependencies yet:

```
rpm -e --nodeps glite-yaim-3.0.1-22
rpm -U <yaim_rpm_name>
```

RPMs can be found in:

<http://lxb2042.cern.ch/gLite/APT/R3.0-cert/rhel30/RPMS.patch1209.uncertified/>

- ◆ Reconfigure your service by running:

```
opt/glite/yaim/bin/yaim -c -s your-site-info.def -n (all your configuration targets on the node)
```

- ◆ Check the "How to test" section of this wiki page to test yaim.

### • FRESH INSTALL

- ◆ Use the certification repository to install your service via APT. This is the string you have to use:

```
rpm http://lxb2042.cern.ch/gLite/APT/R3.0-cert rhel30 externals Release3.0 updates updates.certif
```

- ◆ **NOTE:** Please, make sure yaim-core and the necessary yaim modules have been installed. Otherwise, update manually since the metapackages might not contain the right dependencies yet:

```
rpm -e --nodeps glite-yaim-3.0.1-22
rpm -U <yaim_rpm_name>
```

RPMs can be found in:

<http://lxb2042.cern.ch/gLite/APT/R3.0-cert/rhel30/RPMS.patch1209.uncertified/>

- ◆ Configure your service by running:

```
opt/glite/yaim/bin/yaim -c -s your-site-info.def -n (all your configuration targets on the node)
```

- ♦ Check the "How to test" section of this wiki page to test yaim.

## yaim 3.1.1 for gLite 3.1 (WN and UI only)

Installation and configuration notes for the 3.1 UI and WN:

- gLite WN
- gLite UI (preproduction notes)
- TAR UI and WN.

YUM repository for patch 1210:

```
[patch 1210]
name=gLite 3.1 patch 1210
baseurl=http://grid-deployment.web.cern.ch/grid-deployment/glite/integration/cert/3.1/patches/1210
enabled=1
```

### • UPGRADE

- ♦ Use the previous links to install and configure the clients.
- ♦ proceed to upgrade yaim by adding the YUM repository for patch 1210.
- ♦ Reconfigure your service by running:

```
opt/glite/yaim/bin/yaim -c -s your-site-info.def -n (UI/WN configuration target)
```

- ♦ Check the "How to test" section of this wiki page to test yaim.

### • FRESH INSTALL

- ♦ Use the previous links to install and configure your clients and install also the repository for patch 1210.
- ♦ Configure your clients by running:

```
opt/glite/yaim/bin/yaim -c -s your-site-info.def -n (UI/WN configuration target)
```

- ♦ Check the "How to test" section of this wiki page to test yaim.

## TCD Certification report

By John Walsh

<https://www.cs.tcd.ie/~walshj1/EGEE-SA3/Certification/patch-testing/Glite-3.1/index.html>

Nodes treated: glite-MON, glite-WMS, glite-CE

## UCY Certification report

By Asterios Katsifodimos

[http://docs.google.com/View?docid=dgskzrkt\\_14jffq9w](http://docs.google.com/View?docid=dgskzrkt_14jffq9w)

Nodes treated: CE, WMSLB, BDII, WN, UI, MON,

## CERN Certification report

The main problems have been reported in the following Savannah bugs:

- [Bug #27761](#)
- [Bug #27752](#)
- [Bug #27733](#)
- [Bug #27731](#)

## Fresh install testing

By Di Qing. The following nodes are currently being used to test YAIM:

- `ctb-conf-*.cern.ch`
- `ctb-generic-1.cern.ch`
- `ctb-generic-4.cern.ch`
- `ctb-se-1.cern.ch`
- `ctb-se-2.cern.ch`
- `ctb-ce-2.cern.ch`

A `site-info.def` configuring the virtual testbed has been created in `/afs/cern.ch/project/gd/yaim-server/yaim-3.1.1-tests/site-info-vm.def`.

## TAR UI

installation method	OS: SLC4 (glite 3.1)	OS: SLC3 (glite 3.0)
fresh install	bugs open: NO	bugs open: NO
	site-info.def:	site-info.def:
	metapackage version & rpm list:rpms used: glite-yaim-clients-3.1.1-1.5, glite-yaim-core-3.1.1-3.11, PPS-glite-UI-3.1.0-2	metapackage version & rpm list:
	comments: tested following instructions on UiTarInstall;bin/yaim demands YAIM_VERSION to be set, otherwise installation is o.k., UI tests passed	comments:
	who/date: Andreas Unterkicher/26-07-2007	who/date:

## glite-UI

installation method	OS: SLC4 (glite 3.1)	OS: SLC3 (glite 3.0)
fresh install	bugs open:	bugs open: <a href="#">Bug 27600</a>
	site-info.def:	site-info.def: <code>/afs/cern.ch/project/gd/yaim-server/yaim-3.1.1-tests/site-info-vm.def</code>
	metapackage version & rpm list:	metapackage version & rpm list:glite-yaim-core-3.1.1-5.noarch.rpm, glite-yaim-clients-3.1.1-4.noarch.rpm, glite-UI-3.0.24-0.noarch.rpm
	comments:	comments: globus CA is installed and it shouldn't; Two 0 size files are generated; LCG_LOCATION_VAR is not set; JAVA_INSTALL_PATH is hardcoded
	who/date:	who/date: Di Qing/27-06-2007

## glite-WN

installation method	OS: SLC4 (glite 3.1)	OS: SLC3 (glite 3.0)
fresh install	bugs open:	bugs open: NO

site-info.def:	site-info.def: /afs/cern.ch/project/gd/yaim-server/yaim-3.1.1-tests/site-info-vm.def
metapackage version & rpm list:	metapackage version & rpm list: glite-yaim-core-3.1.1-5.noarch.rpm, glite-yaim-clients-3.1.1-4.noarch.rpm, glite-WN-3.0.24-0.noarch.rpm
comments:	comments: Configuraton is OK. Still to be tested with Job submission. Job Submission OK. Indicate in release notes that WN_torque is not good
who/date:	who/date: Di Qing/28-06-2007

## glite-DPM

installation method	OS: SLC4 (glite 3.0)
fresh install	bugs open: NO
	site-info.def: /afs/cern.ch/project/gd/yaim-server/yaim-3.1.1-tests/site-info-vm.def
	metapackage version & rpm list:glite-yaim-core-3.1.1-5.noarch.rpm, glite-yaim-dpm-3.1.1-3.noarch.rpm, glite-SE_dpm_mysql-3.0.21-0.noarch.rpm
	comments: Configuration is OK. There is only one problem to start rgma-gin, but since rgma-gin will be out from DPM, we can ignore this problem
	who/date:Di Qing/28-06-2007

## glite-FTS

installation method	OS: SLC3 (glite 3.0)
fresh install	bugs open: NO
	site-info.def: NA
	metapackage version & rpm list:glite-yaim-fts-3.1.1-4.noarch.rpm
	comments: FTS1 configuration was not present in glite-yaim-fts. We have regenerated the rpm and it's now in the usual location: glite-yaim-fts-3.1.1-4.noarch.rpm. Di has found a dependency problem reported in bug
	who/date: Steven Traylen/28-06-2007

## glite-LFC

installation method	OS: SLC3 (glite 3.0)
fresh install	bugs open:NO
	site-info.def: afs/cern.ch/project/gd/yaim-server/yaim-3.1.1-tests/site-info-vm.def
	metapackage version & rpm list:glite-yaim-core-3.1.1-5.noarch.rpm , glite-yaim-lfc-3.1.1-3.noarch.rpm, glite-LFC_mysql-3.0.16-0.noarch.rpm
	comments: Pool accounts are still created in DPM and they shouldn't; Similar problem with rgma-gin as described in DPM
	who/date: Di Qing/28-06-2007

## glite-BDII

installation method	OS: SLC3 (glite 3.0)
fresh install	bugs open:NO
	site-info.def: /afs/cern.ch/project/gd/yaim-server/yaim-3.1.1-tests/site-info-vm.def

metapackage version & rpm list:glite-yaim-core-3.1.1-5.noarch.rpm, glite-BDII-3.0.5-0.noarch.rpm
comments: OK
who/date: Di Qing/28-06-2007

## glite-CE

installation method	OS: SLC3 (glite 3.0)
fresh install	bugs open:NO
	site-info.def: /afs/cern.ch/project/gd/yaim-server/yaim-3.1.1-tests/site-info-vm.def
	metapackage version & rpm list:glite-yaim-core-3.1.1-5.noarch.rpm, glite-CE-2.4.35-0.noarch.rpm
	comments: The metapackage contains the wrong dependency, it depends on glite-yaim instead of glite-yaim-core (fixed by Joachim); opt/globus/tmp/gram_job_state minor problem if the link exists; several gridice configuration problems since dependencies are not set and it's not installed (to check with Oliver); wrong gatekeeper process startup status message
	who/date: Di Qing/28-06-2007 and 02/07/2007

## lcg-CE

installation method	OS: SLC3 (glite 3.0)
fresh install	bugs open:NO
	site-info.def: /afs/cern.ch/project/gd/yaim-server/yaim-3.1.1-tests/site-info-vm.def
	metapackage version & rpm list:glite-yaim-core-3.1.1-5.noarch.rpm, lcg-CE-3.0.15-0.noarch.rpm
	comments: known issue with yaim configuration that hangs after finishing. Old workaround called configure-node but this doesn't work with new yaim (to check with gergo). Otherwise explain clearly that when exiting with ctrl-c, edg-gatekeeper is also killed and needs to be restarted manually
	who/date: Di Qing/02-07-2007

installation method	OS: SLC3 (glite 3.0)
fresh install	bugs open:NO
	site-info.def: /afs/cern.ch/project/gd/yaim-server/yaim-3.1.1-tests/site-info-vm.def
	metapackage version & rpm list:glite-yaim-core-3.1.1-5.noarch.rpm, glite-yaim-myproxy-3.1.1-4.noarch.rpm, glite-PX-3.0.16-0.noarch.rpm
	comments: node-info.d file is missing. New rpm needs to be created. rpm created and now it's ok
	who/date: Di Qing/02-07-2007 and 03/07/2007

## SE Classic

installation method	OS: SLC3 (glite 3.0)
fresh install	bugs open:NO
	site-info.def: /afs/cern.ch/project/gd/yaim-server/yaim-3.1.1-tests/site-info-vm.def
	metapackage version & rpm list:glite-yaim-core-3.1.1-5.noarch.rpm, glite-SE_classic-3.0.17-0.noarch.rpm

comments: command not found in configure_node line 5 -> small error to be checked
who/date: Di Qing/02-07-2007

## New WMS

installation method	OS: SLC3 (glite 3.0)
fresh install	bugs open:NO
	site-info.def: /afs/cern.ch/project/gd/yaim-server/yaim-3.1.1-tests/site-info-vm.def
	metapackage version & rpm list:glite-yaim-core-3.1.1-5.noarch.rpm, glite-yaim-wms-3.1.1-3.noarch.rpm, glite-WMS-2.3.29-0.noarch.rpm

!^|comments: Repository: <http://lxb2042.cern.ch/gLite/APT/R3.1-RB-pretest/> . The apt string for it is "rpm <http://lxb2042.cern.ch/gLite/APT/R3.1-RB-pretest/> rhel30 externals Release3.1 updates" |

who/date: Di Qing/03-07-2007
------------------------------

## glite LB

installation method	OS: SLC3 (glite 3.0)
fresh install	bugs open:NO
	site-info.def: /afs/cern.ch/project/gd/yaim-server/yaim-3.1.1-tests/site-info-vm.def
	metapackage version & rpm list:glite-yaim-core-3.1.1-5.noarch.rpm, glite-yaim-lb-3.1.1-2.noarch.rpm, glite-LB-2.2.18-0.noarch.rpm
	comments: OK
	who/date: Di Qing/03-07-2007

## glite MON

installation method	OS: SLC3 (glite 3.0)
fresh install	bugs open:NO
	site-info.def: /afs/cern.ch/project/gd/yaim-server/yaim-3.1.1-tests/site-info-vm.def
	metapackage version & rpm list:glite-yaim-core-3.1.1-5.noarch.rpm, glite-MON-3.0.18-0.noarch.rpm
	comments: OK
	who/date: Di Qing/03-07-2007

## lcg RB

installation method	OS: SLC3 (glite 3.0)
fresh install	bugs open:NO
	site-info.def: /afs/cern.ch/project/gd/yaim-server/yaim-3.1.1-tests/site-info-vm.def
	metapackage version & rpm list:glite-yaim-core-3.1.1-5.noarch.rpm, lcg-RB-3.0.14-0.noarch.rpm
	comments: OK
	who/date: Di Qing/03-07-2007



## Upgrade testing

By Louis Poncet. The certification testbed line 1b has been upgraded and the SAM tests have been executed. See [SAM tests results](#)

## Bugs

This is a list of bugs found in 3.1.1 YAIM development releases. It's a good way to track bugs found during development phase that haven't been tracked in Savannah.

### glite-yaim-core

#### 3.1.1-3.2\_head

- On WMS node configuration, config\_mkgridmap now gives the ownership of gridmapdir to root:glite. However, at that point, user glite was not yet defined. I already asked this to be corrected, by adding it during config\_edgusers... Still, GLITE\_USER has to be defined in site-info.def or in some default file sourced before executing the functions, otherwise it will not be defined when necessary.
- Found a useless variable inside bin/yaim, I propose the following code for the env set up and configuration exec:

```
### Sorting and cleaning up the environment file and substituiting the correct path to the
if [ "x${myaction}" = "xconfigure" ]; then

    # Place the env functions in the right place for configuration
    cp $mythisdir/../../etc/grid-env-funcs.sh ${GRID_ENV_LOCATION}/grid-env-funcs.sh

    # Clean the old env file and start a new one
    rm -f ${GRID_ENV_LOCATION}/grid-env.sh
    echo ". ${GRID_ENV_LOCATION}/grid-env-funcs.sh" > ${GRID_ENV_LOCATION}/grid-env.sh

    # Execute the configuration command
    eval ${mycmd} 2>&1 | tee -a $YAIM_LOG_OK

    # Clean the repeated parameters in the env file
    cat ${GRID_ENV_LOCATION}/grid-env.sh | sort -r | uniq > ${GRID_ENV_LOCATION}/grid-env.sh

    cat $mythisdir/../../etc/grid-env.csh | eval sed -e 's%GRID_ENV_LOCATION%${GRID_ENV_LOCATION}'

    # Fix the configuration file permissions
    chmod 644 ${GRID_ENV_LOCATION}/grid-env.sh
else
    # Executing the configuration command
    eval ${mycmd} 2>&1 | tee -a $YAIM_LOG_OK
fi
```

- On function config\_glite\_locallogger, this stupid aaa files are no longer required. So... please remove:

```
echo ". /opt/glite/yaim/etc/grid-env-funcs.sh" > /etc/profile.d/aaa.sh # I hate this
. /opt/glite/yaim/etc/grid-env-funcs.sh

and

rm -f /etc/profile.d/aaa.sh
```

- Variable \${GRID\_ENV\_LOCATION} should be part of the environment (yaimgridenv\_set

somewhere)

- Running configuration with `YAIM_LOGGING_LEVEL=NONE` gives the same result than using `DEBUG` level.

### 3.1.1-3.1\_head

- The `glite-yaim-core` rpm does not obsoletes `glite-yaim`.

### 3.1.1-2.4\_head

- The following messages should be removed:

```
WARNING: Your arch seems is not supported
WARNING: Your gLite version is not supported
```

-> Total removal of `functions/utils/detect_environment` and the extension scripts (?)

- Problem in `configure_node`:

```
/opt/glite/yaim/bin/./libexec/configure_node: line 128: [: too many arguments
INFO: Executing function: config_sysconfig_edg
/opt/glite/yaim/bin/./libexec/configure_node: line 128: [: too many arguments
INFO: Executing function: config_sysconfig_globus
/opt/glite/yaim/bin/./libexec/configure_node: line 128: [: too many arguments
INFO: Executing function: config_sysconfig_lcg
```

- The `glite-yaim-core` rpm should obsolete and provide `glite-yaim`.
- Temporaly files should be created in `/tmp` or preferably in `/root` (if running as root), I was in a read-only afs directory when running the configuration and got this error:

```
INFO: Executing function: config_users
mktemp: cannot create temp file yaim.N28820: Permission denied
mktemp: cannot create temp file yaim.o28821: Permission denied
```

### 3.1.1-2.3\_head

- Platform detection fails with the error message:

```
INFO: Sourcing the utilities in /opt/glite/yaim/functions/utils
WARNING: Your arch seems is not supported
/opt/glite/yaim/bin/yaim: line 47: [: too many arguments
WARNING: Your gLite version is not supported
INFO: Executing function: config_apt_prefs
```

- In util `detect_environment` it should be

```
"$mythisdir/./functions/extensions/utils_gLite-${glite_version}"
```

1. e. with quotes !

- The function `config_host_cert` just checks the validity of the host cert but not whether this is for the machine or not. The machine name has to be cheked againt the name in the host cert.
- Error in `configure_node` ? During DPM install on SLC3:

```
INFO: Executing function: config_edgusers
/opt/glite/yaim/bin/./libexec/configure_node: line 24: x: command not found
INFO: Executing function: config_mkgridmap
```

-- MariaALANDESPRADILLO - 09 Jul 2007

---

This topic: EGEE > YAIM\_3\_1\_1\_1\_testing

Topic revision: r1 - 2007-07-09 - MariaALANDESPRADILLO



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