Table of Contents

YAIM 4.0.0 Certification

Developers testing

- Site-info.def: /afs/cern.ch/project/gd/yaim-server/cert-TB-config/vtb/yaim-4-tests/
  - site-info-vm.def for all the nodes
  - lcg-site-info-vm.def for lcg CE
  - rgma-site-info-vm.def for MON box

Component	comments
UI	Tested Clean installation and upgrade from 3.1.1 to core 4.0.0-2 and clients 4.0.0-1 and OK
TAR UI	
WN	
TAR WN	
VOBOX	
DPM	
LFC	
FTS	
3.0 WMSLB	See comment below
3.1 WMSLB	
BDII	Clean installation with glite-yaim-core-4.0.0-2 and OK
glite CE	See comment below
lcg CE	See comment below
RB	
RGMA	Clean installation and Upgrade from 3.1.1. Seems fine but gives an error at the end "ERROR: SITE_BDII_HOST is not set" with glite-yaim-core-4.0.0-2
My Proxy	

I try to install patches 894, 1093 and 1185. I have problems to get patch 894 installed. It doesn't actually install glite-info-generic-2.0.1-2.noarch.rpm. I install this manually. I find roblems to install it in the MON box and I get this error:

```
error: Failed dependencies:
        perl(Net::LDAP::LDIF) is needed by glite-info-generic-2.0.1-2
```

- The WMS clean installation with glite-core 4.0.0-2 is OK.
- The glite CE clean installation glite-core 4.0.0-2 is OK.
- The lcg CE clean installation glite-core 4.0.0-2 is OK.

I have problems with users.conf and I have the following messages in the WN, lcg CE, glite CE and WMS:

```
INFO    Pool accounts for VO: dteam
ERROR Failed to add group sgmdteam,dteam
IINFO    Pool accounts for VO: atlas
ERROR Failed to add group sgmatlas,atlas
```

And when configuring the TORQUE server:

```
  WARNING: config_torque_server: No unix group found for VO (or VOMS FQAN): "/VO=atlas/GROUP=/atl
  WARNING: config_torque_server: No unix group found for VO (or VOMS FQAN): "/VO=atlas/GROUP=/atl
```

Note: there is a bug in the users.conf text file due to extra chars probably introduced by Windows. It has been fixed and glite-yaim-core-4.0.0-4 has been generated.

Fresh install testing

rpm list

The list of rpms can be found in `/afs/cern.ch/project/gd/www/yaim`:

- glite-yaim-clients-4.0.0-1.noarch.rpm
- glite-yaim-core-4.0.0-5.noarch.rpm
- glite-yaim-dcache-4.0.0-1.noarch.rpm
- glite-yaim-dpm-4.0.0-1.noarch.rpm
- glite-yaim-fts-4.0.0-1.noarch.rpm
- glite-yaim-lb-4.0.0-1.noarch.rpm
- glite-yaim-lfc-4.0.0-1.noarch.rpm
- glite-yaim-myproxy-4.0.0-1.noarch.rpm
- glite-yaim-wms-4.0.0-1.noarch.rpm

There are some rpms that are exactly the same as YAIM 3.1.1 and probably only need to be installed to check nothing is broken:

- glite-yaim-dcache-4.0.0-1.noarch.rpm
- glite-yaim-dpm-4.0.0-1.noarch.rpm
- glite-yaim-lfc-4.0.0-1.noarch.rpm
- glite-yaim-myproxy-4.0.0-1.noarch.rpm

There are several versions of the glite-yaim-core rpm. This is due to the following problems that have been already found:

- 4.0.0-1 : contains fix for the gridice daemon problem applying the fix described in https://gus.fzk.de/ws/ticket_info.php?ticket=23145&from=ID
- 4.0.0-2 : 4.0.0-1 + fix described by Rolandas in bug #25667 that also intends to fix bug #27984. I haven't attached yet this bugs into the patch because I'm not so sure this is a good solution. At least, I didn't have the time to test it well enough. The changes in org.glite.yaim.core/src/bin/yaim are well identified after the comment # Fix for bug #25667 and #27984 #. In case you are not happy with this solution, you can roll back to the one in tag glite-yaim-core_R_4_0_0_1.
- 4.0.0-3 : version of users.conf that doesn't conflict with existing groups and users ids. Maarteb has created a new users.conf that uses the same group ids than before and creates now a bunch of sgm and prd pool accounts.
- 4.0.0-4: fixed version of text file users.conf.

For a list of the bugs that this version of YAIM intends to fix, please see the following Savannah patches:

- patch #1238, YAIM 4.0.0 for the 3.0 repository
- patch #1239, YAIM 4.0.0 for the 3.1 repository
- patch #1240, YAIM 4.0.0 for the special WMS repository

CERN testing report

1. For patch 894, meta package(FTS_*,lcg-RB, MON, WMS, lcg-CE, PX, SE_classic) should be changed to replace old lcg-info-generic with glite-info-generic

2. On FTS, "Cannot create lock file /opt/glite/var/lock/glite-transfer-channel-agent-urlcopy-1B-2.lock: Not enough priviledges on parent directory" when starting transfer-agent

3. YAIM also prints out the log of last run before configuring as follows:

```
[root@ctb-bdii-1 root]# /opt/glite/yaim/bin/yaim -c -s /root/site-info.def -n glite-BDII
   INFO: The default location of the grid-env.(c)sh files will be: /opt/glite/etc/profile.d
   INFO: Sourcing the utilities in /opt/glite/yaim/functions/utils
   INFO: Detecting environment
   INFO: Executing function: config_upgrade
   INFO: Executing function: config_edgusers
   INFO: Executing function: config_bdii
Stopping BDII                                                   [  OK  ]
Starting BDII                                                   [  OK  ]
   INFO: Executing function: config_fmon_client
   INFO: Configuration Complete.
###
### YAIM v.glite-yaim-core-4.0.0-4 ;
### Site-info file used: Jul 23 09:56 /root/site-info.def
### Mon Jul 23 13:41:49 CEST 2007 : /opt/glite/yaim/bin/yaim -c -s /root/site-info.def -n glite-B
###
   INFO: Output will be written into log file: /opt/glite/yaim/bin/../log/yaimlog
   INFO: Using site configuration file: /root/site-info.def
   INFO: The default location of the grid-env.(c)sh files will be: /opt/glite/etc/profile.d
   INFO: Sourcing the utilities in /opt/glite/yaim/functions/utils
   INFO: Detecting environment
###
### YAIM versions used: glite-yaim-core-4.0.0-4 ;
### Site-info file used: Jul 23 09:56 /root/site-info.def
### Mon Jul 23 13:41:49 CEST 2007 : /opt/glite/yaim/bin/yaim -c -s /root/site-info.def -n glite-B
###
   INFO: Output will be written into log file: /opt/glite/yaim/bin/../log/yaimlog
   INFO: The default location of the grid-env.(c)sh files will be: /opt/glite/etc/profile.d
   INFO: Sourcing the utilities in /opt/glite/yaim/functions/utils
   INFO: Detecting environment
   INFO: Executing function: config_upgrade
   INFO: Executing function: config_edgusers
/opt/glite/yaim/bin/../libexec/configure_node: line 96: [: : integer expression expected
   INFO: Executing function: config_bdii
Stopping BDII                                                   [  OK  ]
Starting BDII                                                   [  OK  ]
   INFO: Executing function: config_fmon_client
   INFO: Configuration Complete.
```

4. When configuring BDII, it gives error:

```
   INFO: Executing function: config_edgusers
/opt/glite/yaim/bin/../libexec/configure_node: line 96: [: : integer expression expected
   INFO: Executing function: config_bdii
```

5. When configuring glite CE:

```
sh: line 1: /opt/lcg/var/gip/ldif/lcg-info-static-ce.ldif: No such file or directory
sh: line 1: /opt/lcg/var/gip/ldif/lcg-info-static-cluster.ldif: No such file or directory
sh: line 1: /opt/lcg/var/gip/ldif/lcg-info-static-cesebind.ldif: No such file or directory
Traceback (most recent call last):
  File "/opt/glite/etc/config/scripts/glite-ce-config.py", line 2524, in ?
    return_value = service.configure()
  File "/opt/glite/etc/config/scripts/glite-ce-config.py", line 1127, in configure
    self.generateCEInfoProvidersFile()
  File "/opt/glite/etc/config/scripts/glite-ce-config.py", line 1655, in generateCEInfoProvidersF
    f = open('%s/ce-pbs.sh' % plugin_dir, 'w')
IOError: [Errno 2] No such file or directory: '/opt/lcg/var/gip/plugin/ce-pbs.sh'
ln: `/opt/lcg/libexec/lcg-info-wrapper': File exists
chown: failed to get attributes of `/opt/lcg/var/gip/ldif': No such file or directory
chmod: failed to get attributes of `/opt/lcg/var/gip/ldif': No such file or directory
sed: can't read /opt/lcg/etc/lcg-info-generic.conf: No such file or directory
```

should be caused by the location change of info system.

6. When configuring 3.0 UI, there are the following warning message as 3.1.1 yaim:

```
WARNING: The following packages were not set up correctly:
        globus_trusted_ca_42864e48_setup-noflavor-pgm
Check the package documentation or run postinstall -verbose to see what happened
```

7. When configuring gip of LFC, PX, SE_classic and MON, I got the following errors:

```
   INFO: Executing function: config_gip
....
ls: /usr/share/doc/openldap-servers-*: No such file or directory
/opt/glite/yaim/bin/../libexec/configure_node: line 977: [: : integer expression expected
```

8. When configuring RGMA server, the following messages are given:

```
   INFO: Executing function: config_rgma_client_setenv
chown: failed to get attributes of `/var/log/glite/rgma-server/': No such file or directory
chmod: failed to get attributes of `/var/log/glite/rgma-server/': No such file or directory
```

this disappear when I run yaim again.

9. When configuring RGMA server, function config_rgma_gin complains "ERROR: SITE_BDII_HOST is not set". Shall we set it in site-info.def?

10. When configuring LFC server, the function config_lfc_user failed as follows:

```
   INFO: Executing function: config_lfc_user
mysqladmin: connect to server at 'localhost' failed
error: 'Can't connect to local MySQL server through socket '/var/lib/mysql/mysql.sock' (2)'
Check that mysqld is running and that the socket: '/var/lib/mysql/mysql.sock' exists!
ERROR 2002 (HY000): Can't connect to local MySQL server through socket '/var/lib/mysql/mysql.sock
ERROR 2002 (HY000): Can't connect to local MySQL server through socket '/var/lib/mysql/mysql.sock
ERROR 2002 (HY000): Can't connect to local MySQL server through socket '/var/lib/mysql/mysql.sock
```

probably because mysql server is not up, yaim function should check it?

11. On LFC server, the pool accounts are still created.

12. When configuring DPM, it complains "ERROR: DPM_INFO_USER is not set ", and "ERROR: DPM_INFO_PASS is not set", so probably it is better to add them in examples of site-info.def.

13. After configuring lcg-CE, can not conact lcg CE and also /opt/glite/libexec/glite-info-wrapper failed with error message: "Can't call method "dn" on an undefined value at /opt/glite/libexec/glite-info-generic line 18".

14. on WMS and DPM SE, BDII dead and /opt/glite/libexec/glite-info-wrapper doesn't exist

15. on LFC and , globus-mds alway dead, running slapd by hand, it shows "/opt/glue/schema/openldap-2.1/Glue-CORE.schema: line 112: MatchingRule not found: "integerOrderingMatch"".

16. On Classic SE, one error message: /opt/glite/yaim/bin/../libexec/configure_node: line 5: +requires: command not found with config_seclassic

17. When upgrading LCG CE, since new yaim uses config_bdii_only which will replace "ldap" with "openldap-" in /opt/lcg/schema/ldap/SiteInfo.schema, however /opt/lcg/schema/ldap/SiteInfo.schema is the correct path, thus BDII could not be started. If using config_bdii_only on other node types, like, SE_dpm, we

may meet the same problem.

Upgrade testing

Savannah patches

3.0 APT repository

3.1 YUM repository

External Sites testing reports

CERN testing report

-- MariaALANDESPRADILLO - 09 Jul 2007

This topic: EGEE > YAIM_4_testing
Topic revision: r17 - 2007-08-31 - MariaALANDESPRADILLO