

## YAIM release notes

The Changelogs of the yaim modules are always accesible in CVS [↗](#). For yaim core, you can track the changes for each release also here.

The list of **known issues** can be found in the YAIM 4 guide - Known issues section.

Check the corresponding patch for an up to date list of bug fixes.

### Patch #2636 [↗](#): glite-yaim-core 4.0.6-x

#### • 39 Bug fixes

- ◆ Fix for bug #31359 [↗](#): auxiliary variables to create grid environment are now cleaned.
- ◆ Fix for bug #33908 [↗](#) and bug #33314 [↗](#): Fix to write on GLITE\_LOCATION\_VAR when lcg CE and BDII are installed together.
- ◆ Fix for bug #35495 [↗](#): LCG\_GFAL\_INFOSYS is now defined in configure\_lcgenv.
- ◆ Fix for bug #38919 [↗](#): config\_mkgridmap doesn't include the old lcas/lcmaps grid-map files.
- ◆ Fix for bug #38974 [↗](#): config\_vomses\_check is now implemented.
- ◆ Fix for bug #39003 [↗](#): init.d script for fetch-crl.
- ◆ Fix for bug #39022 [↗](#): BDII\_USER is now used in bdii.conf
- ◆ Fix for bug #39150 [↗](#): lcg-expiregridmapdir cron job should not be generated for VOBOX
- ◆ Fix for bug #39389 [↗](#): Maximum number of simultaneous connections to the gridftp server is now defined
- ◆ Fix for bug #39884 [↗](#): right gids.
- ◆ Fix for bug #39930 [↗](#): GLITE\_EXTERNAL\_ROOT has been removed
- ◆ Fix for bug #39932 [↗](#): man pages use now the correct path.
- ◆ Fix for bug #39936 [↗](#): Correct FUNCTIONS\_DIR path
- ◆ Fix for bug #40092 [↗](#): doesn't exit any more with an error if debug level 7 is used
- ◆ Fix for bug #40093 [↗](#): TORQUE server can use groups.conf
- ◆ Fix for bug #40208 [↗](#): LCG\_GFAL\_INFOSYS is defined in one place.
- ◆ Fix for bug #40552 [↗](#): GLITE\_HOME\_DIR instead of GLITE\_USER\_HOME in config\_glite\_locallogger
- ◆ Fix for bug #40653 [↗](#): Variable cleaning
- ◆ Fix for bug #40675 [↗](#): remove lines modifying /opt/bdii/etc/schemas
- ◆ Fix for bug #42719 [↗](#): unused libraries are now removed.
- ◆ Fix for bug #42819 [↗](#): rgma\_clients are not included in sl5
- ◆ Fix for bug #43278 [↗](#): cleanup-grid-accounts is always created.
- ◆ Fix for bug #43308 [↗](#): ordinary pool accounts can define multiple groups.
- ◆ Fix for bug #43329 [↗](#): Unprivileged grid-mapfile
- ◆ Fix for bug #43436 [↗](#): services/node-type should be sourced before defaults/node-type.post
- ◆ Fix for bug #43699 [↗](#): site-info.post variables should allow to use a user defined variable in site-info.def.
- ◆ Fix for bug #43938 [↗](#): correct warning message when siteinfo dir is world readable.
- ◆ Fix for bug #44007 [↗](#): SE\_GRIDFTP\_LOGFILE is created if it doesn't exist.
- ◆ Fix for bug #44040 [↗](#): correct criteria for central certs.
- ◆ Fix for bug #44299 [↗](#): config\_secure\_tomcat function is now created
- ◆ Fix for bug #44360 [↗](#): cleanup-grid-accounts.sh isn't called for cream CE
- ◆ Fix for bug #44684 [↗](#): run function creates now a clean environment file.
- ◆ Fix for bug #44693 [↗](#): bug for dpm and lfc when multiple config targets are used is now fixed.
- ◆ Fix for bug #44884 [↗](#): DPM should have lcg-expiregridmapdir cron job.
- ◆ Fix for bug #44961 [↗](#): Removed duplicated env variable declarations.
- ◆ Fix for bug #44987 [↗](#): Improved error messages for group and user creation.
- ◆ Fix for bug #45103 [↗](#): GLITE\_EXTERNAL\_ROOT is not unset by yaim core.
- ◆ Fix for bug #45106 [↗](#): egee- and no prefix allowed for config targets.

- **New features**

- ◆ You can now create a non privileged grid-map file. See bug #43329 [↗](#) for more details.
- ◆ You can now limit the number of maximum connections to the gridftp server. See bug #39389 [↗](#) for more details.

- **site-info.pre changes**

- ◆ Added variables:
  - ◇ GRIDFTP\_CONNECTIONS\_MAX: Maximum number of simultaneous connections to the gridftp server. default is 50.
  - ◇ UNPRIVILEGED\_MKGRIDMAP: In case you want to create a grid-map file which only contains mappings to ordinary users. `no` will create a grid-map file with special users as well, if defined in `groups.conf`. `yes`, will create a grid-mapfile containing only mappings to ordinary pool accounts. Default is `no`.
- ◆ Modified variables:
  - ◇ ORACLE\_LOCATION: The value has been updated to `1.2.0.3`.

### Patch #2055 [↗](#): glite-yaim-core 4.0.5-7

- **35 Bug fixes**

- ◆ Fix for bug #38469 [↗](#): SPECIAL\_POOL\_ACCOUNTS variable
- ◆ Fix for bug #38466 [↗](#): remove obsolete code in `config_mkgridmap`
- ◆ Fix for bug #38464 [↗](#): fix race condition in `edg-mkgridmap`
- ◆ Fix for bug #37711 [↗](#): VO\_\_VOMS\_CA\_DN is now compulsory
- ◆ Fix for bug #36976 [↗](#): `config_lcgenv` has all the requires in `_check`
- ◆ Fix for bug #37621 [↗](#): `zsh` is now supported in `grid-env.sh`
- ◆ Fix for bug #37509 [↗](#): Comments added for `VO__VOMS_WMS_HOSTS` and `VO__VOMS_LB_HOSTS`.
- ◆ Fix for bug #36287 [↗](#): `LB_HOST` and `WMS_HOST` are no longer mandatory.
- ◆ Fix for bug #35839 [↗](#): new versions directory per yaim module.
- ◆ Fix for bug #35495 [↗](#): multiple top level BDIIs for GFAL clients.
- ◆ Fix for bug #35373 [↗](#): proper checking of `VO_<vo-name>_VOMSES` variable.
- ◆ Fix for bug #35307 [↗](#): 700 checking of configuration directory is done but just gives a warning.
- ◆ Fix for bug #35244 [↗](#): `gridftp` and `wmproxy` `lcmaps` configuration problem is now fixed
- ◆ Fix for bug #34824 [↗](#): removed old libraries and added 64bit libraries
- ◆ Fix for bug #34734 [↗](#): correct example for `GROUP_ENABLE`
- ◆ Fix for bug #34685 [↗](#): bug fixed with new feature for enabling/disabling user creation.
- ◆ Fix for bug #34398 [↗](#): `mysql` is now `chkconfig`'ed
- ◆ Fix for bug #34387 [↗](#): `-a` option is now working properly.
- ◆ Fix for bug #34251 [↗](#): port for OPS VO is now correct in `site-info.def`
- ◆ Fix for bug #34033 [↗](#): `site-info.def` variables containing a default value have been moved to `site-info.pre`.
- ◆ Fix for bug #34010 [↗](#): `config_gip` updates
- ◆ Fix for bug #33928 [↗](#): `groups.conf` can be now specified per VO.
- ◆ Fix for bug #32764 [↗](#): `perl` and `python` paths added.
- ◆ Fix for bug #31288 [↗](#): Return code is now 0.
- ◆ Fix for bug #31773 [↗](#): It's now possible to enable/disable user configuration. All the users/groups needed by the middleware are now centralised in one file.
- ◆ Fix for bug #29311 [↗](#): redirection is no longer needed.
- ◆ Fix for bug #29032 [↗](#): dangerous selection of functions now fixed.
- ◆ Fix for bug #17554 [↗](#): service user names are now defined in `site-info.pre`.
- ◆ Fix for bug #17549 [↗](#): BDIi user is no longer hardcoded to 'edguser'.

- **New features**

- ◆ User configuration can be now enabled or disabled. If it's disabled, the sys admin must ensure the service users listed in `${INSTALL_ROOT}/glite/yaim/examples/edgusers.conf` and the pool accounts are created in the system. Moreover, the pool account `users.conf` file must be provided for the sys admin so that the `gridmap` file can be generated by YAIM.
  - ◆ Service users like `dpmmgr` or `edguser` are no longer hardcoded and can be configured in `site-info.def` for non standard values.
  - ◆ `groups.conf` can be now specified per VO by creating a new directory `group.d` under the `siteinfo` directory and creating one `groups-<vo-name>.conf` file per supported VO. However, the old way of specifying one single `groups.conf` for all the VOs is also supported. In order to choose one or another option:
    - ◇ If `GROUPS_CONF` is defined in `site-info.def`, then all the groups should be defined for all the supported VOs in the specified file.
    - ◇ If `GROUPS_CONF` is **NOT** defined, then the `group.d` directory must exist with one `groups-<vo-name>.conf` file per supported VO.
  - ◆ A local `groups.conf` file, that is used only within a specific site and that is independent from the general groups that a VO needs to deploy in a site, can be defined by using the variable `LOCAL_GROUPS_CONF` where all the special groups for a certain site can be defined.
- **site-info.def changes**
    - ◆ Removed variables:
      - ◇ many variables have been moved to `site-info.pre` since they contain default values:  
`INSTALL_ROOT, LCG_REPOSITORY, CA_REPOSITORY, REPOSITORY_TYPE, YAIM_LOGGING_LEVEL, FUNCTIONS_DIR, MY_DOMAIN, JAVA_LOCATION, OUTPUT_STORAGE, EDG_WL_SCRATCH, CRON_DIR, CE_DATADIR, SE_ARCH, REG_HOST, BATCH_BIN_DIR, BDII_FCR, BDII_SITE_TIMEOUT, BDII_RESOURCE_TIMEOUT, GIP_CACHE_TTL, GIP_FRESHNESS, GIP_RESPONSE, GIP_TIMEOUT`
    - ◆ New variables:
      - ◇ `BDII_LIST`: Optional variable that it is used to specify a list of top level BDIIs to support the automatic failover in the GFAL clients. The syntax is a comma separated list of hostnames and ports: `hostname1:port1[,hostname2:port2[...]]`
  - **site-info.pre changes**
    - ◆ New variables:
      - ◇ It now contains all the variables listed in the previous item.
      - ◇ `CONFIG_USERS`: It's used to enable/disable user configuration. It's set to `yes` by default. If set to `no`, the sys admin must ensure the pool account users and the users defined in `${INSTALL_ROOT}/glite/yaim/examples/edgusers.conf` are created in the machine. In any case, the sys admin must provide a `users.conf` file with the pool accounts so that YAIM is able to create the `gridmap` file.
      - ◇ The service users needed by the middleware can now be configured. The default values are:
        - `DPMMGR_USER=dpmmgr`
        - `DPMMGR_GROUP=dpmmgr`
        - `LFCMGR_USER=lfcmgr`
        - `LFCMGR_GROUP=lfcmgr`
        - `EDG_USER=edguser`
        - `EDG_GROUP=edguser`
        - `EDGINFO_USER=edginfo`
        - `EDGINFO_GROUP=edginfo`
        - `RGMA_USER=rgma`
        - `RGMA_GROUP=rgma`
        - `GLITE_USER=glite`
        - `GLITE_GROUP=glite`
        - `GLITE_HOME_DIR=/home/glite`

· INFOSYS\_GROUP=infosys

◊ LOCAL\_GROUPS\_CONF: Optional variable that specifies the file defining local groups.conf (should follow the same syntax described in /opt/glite/yaim/examples/groups.conf.README)

- **site-info.post changes**

- ◆ New variables:

- ◊ EDGUSERS: List of service users. The default value is `${INSTALL_ROOT}/glite/yaim/examples/edgusers.conf`. For more details, please check `${INSTALL_ROOT}/glite/yaim/examples/edgusers.conf.README`

## Patch #1813: [glite-yaim-core 4.0.4-2](#)

- Remove fix for bug #14813

## Patch #1709: [glite-yaim-core 4.0.4-1](#)

- **36 Bug fixes**

- ◆ Fix for bug #33885: GLOBUS\_TCP\_PORT\_RANGE contains now a default variable.
- ◆ Fix for bug #33755: config\_vomsdir is only executed for the VOS that define the VO\_\_VOMS\_CA\_DN variable.
- ◆ Fix for bug #33593: defaults/node-type.post files are also sourced.
- ◆ Fix for bug #33530: Improved grid-env-funcs.sh to deal with .:
- ◆ Fix for bug #33377: YAIM should prepend and not append
- ◆ Fix for bug #33170: Improved YAIM argument parsing.
- ◆ Fix for bug #32897: Improved comment when -v option is used.
- ◆ Fix for bug #32731: \_\_GROUP\_ENABLE variables are now controlled in config\_gip.
- ◆ Fix for bug #32727: rm -rf is now used.
- ◆ Fix for bug #32706: lcg-CE is used instead of CE.
- ◆ Fix for bug #32275: yaim command must not "set -a"
- ◆ Fix for bug #32674: GLITE\_LOCATION\_VAR is now part of the environment.
- ◆ Fix for bug #31897: Now one can define LCAS\_DB\_FILE, BANNED\_DB\_FILE and LCMAPS\_DB\_FILE in node type pre files, like glite-wms.pre, to use in config\_lcas\_lcmaps\_gt4.
- ◆ Fix for bug #31896: site-info.def comments improved
- ◆ Fix for bug #31895: New variable BDII\_BDII\_URL
- ◆ Fix for bug #31831: /opt/glite/var/tmp/gip/ and /opt/glite/etc/gip/ldif/ are created if they don't exist.
- ◆ Fix for bug #31762: yaim enhancement, rpm creation from the configuration files.
- ◆ Fix for bug #31505: GLOBUS\_TCP\_PORT\_RANGE syntax checking is only done when the variable is defined
- ◆ Fix for bug #31401: glite-{LFC,DPM}\_oracle don't need oracle-instantclient-devel either
- ◆ Fix for bug #31288: YAIM now checks whether site-info.def is syntactically correct.
- ◆ Fix for bug #29595: BDII endpoint location change should be mentioned in the documentation.
- ◆ Fix for bug #29539: home area can be now specified for the pool accounts.
- ◆ Fix for bug #28446: *GlueSAAccessControlBaseRule* contains now a VO: prefix
- ◆ Fix for bug #27571: YAIM's -check functionality should check the host certs as well.
- ◆ Fix for bug #22605: gram:// is added in the *GlueServiceUniqueID* of WMS and RB.
- ◆ Fix for bug #20804: The *GlueCEInfoContactString* is now a correct URL.
- ◆ Fix for bug #17287: spaces in CA name are now taken into account when creating the vomses file.
- ◆ Fix for bug #14813: yaim exits if the file permissions of siteinfo dir are different from 700.
- ◆ Fix for bug #7709: correct endpoints.

- **New features**

- ◆ Create siteinfo rpm: a new option, -p, has been implemented to allow creating an rpm with your configuration file directory. This allows to reuse the configuration in other nodes by just installing the rpm. Man pages are updated to contain the explanation of the new option. The function implementing this feature is called `create_siteinforpm`.
- ◆ Modify `config_vomsmap` to take into account that WMS only uses `groups.conf` and not the classic `gridmap` file anymore.
- ◆ Added `_check` function in `config_host_certs`
- ◆ For `SITE_HTTP_PROXY` changed misleading "myproxy" to "http-proxy".
- ◆ Update in the `config_file` utility to change "echo" with "yaimlog".
- ◆ Improvement of `config_users`: allow '-' to explicitly signal the absence of a secondary group; skip secondary group if it is equal to the primary group; Correction: use "-G" option of "useradd" only when there are secondary groups.
- ◆ Extended `users.conf` and `groups.conf` documentation: Improved `groups.conf.README` and `users.conf.README`
- ◆ The 'requires' utility has been improved to control `__GROUP_ENABLE` variables.
- **Removed features**
  - ◆ Old version of `gridview` service configuration has been removed: `config_gridview`.
  - ◆ Removed obsolete `"/VO=...../GROUP="` syntax in `groups.conf`.
- **site-info.pre changes**
  - ◆ New variables:
    - ◇ `FQANVOVIEWS`: FQAN VO view publishing. Turned off by default.
  - ◆ Removed variables:
    - ◇ `DPM_DB` and `DPNS_DB`: they are now defined by the DPM yaim module.
- **site-info.def changes**
  - ◆ New variables:
    - ◇ `BDII_BDII_URL`: URL of the information producer of the site BDII.
    - ◇ `USER_HOME_PREFIX`: It's an optional variable used to specify a home directory for the pool accounts different from `/home`. **The directory must exist in the system.** YAIM is not creating it. If it doesn't exist, when trying to add the users, the `yaim` command will fail. So sys admins must ensure the directory specified by this variable already exists.
    - ◇ `GLITE_LOCATION_VAR`: this is a variable defined by default in `site-info.post`. If the sys admin wants to change the default value `${GLITE_LOCATION}/var`, it's necessary to declare `GLITE_LOCATION_VAR` in `site-info.def` with the desired value. It will overwrite the default one and it will become part of the `gLite` environment.
  - ◆ Removed variables:
    - ◇ `VO_ATLAS_POOL_PATH`: this is an obsolete variable.
- **Notes on new features:**
  - ◆ **config\_vomsdir**: The function `config_vomsdir` creates the following directory structure per supported VO:

```

/etc/grid-security/vomsdir/vo_name/voms1_hostname.lsc
/etc/grid-security/vomsdir/vo_name/voms2_hostname.lsc
...
/etc/grid-security/vomsdir/vo_name/vomsN_hostname.lsc

```

In each VO directory there will be a `.lsc` file per supported VOMS server containing:

- one line with the VOMS server certificate DN
- one line with the CA DN of the VOMS server certificate

The DNs are automatically copied from the `site-info.def` variables:

- VO\_\_VOMSES
- VO\_\_VOMS\_CA\_DN (present in site-info.def since glite-yaim-core 4.0.3-6)

The .lsc files will replace the existing lcg-vomscerts rpm. Once config\_vomsdir is run, the files installed by lcg-vomscerts are ignored. This means you have to make sure that the mentioned variables are correctly defined.

It's now possible to select for which VOs we want to create the .lsc files. In order to do that, the variable VO\_\_VOMS\_CA\_DN should be defined for the desired VOs. If the variable is not defined, nothing will be done.

The current yaim modules containing config\_vomsdir in their function list are:

- glite-yaim-lcg-ce 4.0.3-7

If you want to automatically configure the .lsc files in other node types, you can run:

```
./yaim -r -s site-info.def -n glite-<node_type> -f config_vomsdir
```

- **◆ FQAN VOView publishing:** If you want to enable the FQAN VOView publishing, please remember to define FQANVOVIEWS=yes in site-info.def. YAIM will automatically generate the DENY tags. Don't change the default value if you actually don't know what you're doing. If you want to read more about the Job Priority Working Group please, check their home page [here](#).

-- MariaALANDESPRADILLO - 10 Jan 2008

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