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# YAIM module feature list

## General features

### YAIM packages

- **Description:** In order to be able to build packages with ETICS in a portable way, we need to get rid of rpm specific commands. For more information visit the YAIM developers guide, Makefile and ETICS
- **Action:**
  - ◆ In case you have created man pages, change in your Makefile any reference to `RPM_BUILD_ROOT` and use the `${prefix}/share/man/man1` path instead.
  - ◆ For each YAIM configuration in ETICS, please, update the following items:
    - ◇ Remove from the Build commands the *packaging* and *prepublish* commands.
    - ◇ Add in the Build commands the *install* command with `make install prefix=${prefix}`
- **Affected YAIM modules:** All.

### YAIM version

- **Description:** Check this link.
- **Action:** Follow the steps described in the previous link.
- **Affected YAIM modules:** All.

### edgusers

- **Description:** Check this link.
- **Action:** Use the variables describing the user and group names and don't hardcode these names on your functions. Moreover, make sure that in case you run `config_edgusers`, you call this function at the beginning of your function list since many functions rely on the users created there.
- **Affected YAIM modules:** All the yaim modules using any of the users in `edgusers.conf`.

### %config(noreplace) for node-info.d/ files in the spec file

- **Description:** RPM spec files have a macro, `%config`, that is used to mark config files so that edits to config files won't get lost during a subsequent upgrade. Without this, the config files from an upgrade would tend to overwrite the edited files from the previous version. This is the case for `node-info.d` files that are modified sometimes by site admins to include their own functions. To preserve the modified `node-info.d` files, it's necessary to use the `%config` macro.
- **Action:** In the spec file of the YAIM module, the `node-info.d` files should be defined as `%config(noreplace)`.
- **Affected YAIM modules:** All.

### MAN pages

- **Description:** All the YAIM modules should provide man pages describing how to configure each configuration target provided in the module. For a template, please check the Developers guide.
- **Affected YAIM modules:** All.

## Function headers

- **Description:** All the YAIM functions should contain a header describing what the function does. This is very important to maintain documentation like the functions dictionary. For a template, please check the Developers guide.
- **Affected YAIM modules:** All.

## Specific variables

- **Description:** site-info.def variables that are specific to the configuration of a node type will be distributed from now on under the services/ directory of the corresponding YAIM module and not in site-info.def file in yaim core.
- **Affected YAIM modules:** All.

## Location of YAIM /services directory

- **Description:** YAIM directory /services should be distributed in `/opt/yaim/examples/siteinfo/services/`.
- **Affected YAIM modules:** All.

## Return 0

- **Description:** All YAIM functions should `return 0` at the end as successful exit code.
- **Affected YAIM modules:** All.

## New functions

### Patch #1672 [↗](#) : `config_gip_service_release`

- **Description:** Services can now publish the gLite version they are running with a new info provider called `glite-info-provider-release`. There is a new function in YAIM, `config_gip_service_release`, that does the necessary configuration actions.
- **Action:** `config_gip_service_release` should be added in the function list of the affected configuration targets.
- **3.1 glite-yaim-core version:** 4.0.3-13
- **Affected YAIM modules:** All the YAIM modules whose configuration targets are configuring the `gip`.

### Bug #29906 [↗](#) : `config_vomsdir`

- **Description:** Due to a vulnerability issue in VOMS, the way trusted VOMS servers are specified in the `vomsdir` directory had to change. The `vomsdir` directory normally contains the host certificate files of the trusted VOMS servers. But now the new `config_vomsdir` function creates the `vomsdir` directory with a set of subdirectories per supported VO, that contain a `.lsc` file per supported VOMS server. The `.lsc` file contains the DN of the VOMS server host certificate and the CA DN that has signed the certificate. Once this new structure is in place, the host certificate file of the VOMS server, if still present in `vomsdir`, will be ignored.
- **Action:** `config_vomsdir` should be added in the function list of the affected configuration targets.
- **3.1 glite-yaim-core version:** 4.0.3-6
- **Affected YAIM modules:** `clients (ui, wn, vobox)`, `lcg-ce`, `wms`, `lb`, `rb`, `lfc (mysql and oracle)`, `dcache (admin gdbm, admin postgres and pool)`, `se classic and dpm (disk, mysql and oracle)`.

**Patch #1190** [↗](#) : **config\_gridview\_se**

- **Description:** To publish the Gridftp transfer records directly into Gridview we need to configure the Gridview client on the SEs. In order to do this, a new variable is needed to set the location and filename of the gridftp server logfile on the different types of SEs. The new function `config_gridview_se` implements the necessary configuration actions to do this.
- **Actions:** `config_gridview_se` should be added in the function list of the affected configuration targets.
- **3.1 glite-yaim-core version:** 4.0.3-8
- **Affected YAIM modules:** dcache (admin gdbm, admin postgres and pool), se classic and dpm (disk, mysql and oracle).

**Patch #1278** [↗](#) : **config\_info\_service\_<node-type>**

- **Description:** There's a new info provider that will generate the *GlueService* attributes. This info provider has been written by Stephen Burke and it's available for a set of services: LB, WMS, VOBOX, BDII, dcache, DPM and *MyProxy*.
- **Actions:** `config_info_service_<node-type>` should be created for each service and added in the function list of the affected configuration targets.
- **Affected YAIM modules:** All.

For more information please check the `config_info_service` YAIM wiki.

-- MariaALANDESPRADILLO - 05 Aug 2008

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