

Table of Contents

How to Publish Space Tokens with DPM.....	1
Additional Notes.....	1
YAIM Sites.....	1
SL3 gLite3.0 Hosts.....	1
Other Issues.....	1

How to Publish Space Tokens with DPM

A GIP provider is available to publish all space tokens defined in a DPM installation into BDII. Only space tokens corresponding to static reservations are published (a static reservation is a reservation made by DPM administrator).

The GIP provider consists of 2 parts :

- A script that must be installed in `libexec` in your LCG installation path (generally `/opt/glite`). The script is attached to this page.
- A wrapper installed in `etc/gip/provider` in your LCG installation path. The wrapper launches the script with one argument corresponding to the file with configuration information for the DPM database (normally `/opt/lcg/etc/DPMINFO`, the same as for DPM GIP plugin). Wrapper name is not relevant : all the wrappers present in `provider` directory are executed. Recommended name is `lcg-info-space-tokens`.

A typical wrapper content is :

```
#!/bin/sh
/opt/glite/libexec/lcg-info-dpm-space-tokens /opt/lcg/etc/DPMINFO
```

If you use Quattor with QWG Templates⁴, there is nothing to do : the GIP provider is installed and configured as part of DPM configuration (requires QWG Templates 3.0.2-13 or later or 3.1.0-2 or later).

Additional Notes

YAIM Sites

- **If your DPMINFO configuration contains the DPNS database name this will break the plugin. Remove it to only have USER/PASSWD@HOST.**

The contents of `/opt/lcg/etc/DPMINFO` for example could look like:

```
dpminfo/yourdmpasswd@t2se01.physics.ox.ac.uk
```

- You must ensure that the `dpminfo` user has access to the `dpm_db` database. This is not done by YAIM by default.

```
mysql> grant select on dpm_db.* to dpminfo;
mysql> flush privileges;
```

SL3 gLite3.0 Hosts

- For gLite 3.0 nodes edit the `$mds_vo_name` variable in the script to be "local" instead of "resource".
- It is likely that SL3 gLite 3.0 hosts will also have to add the following line to `/opt/bdii/etc/bdii-update.conf`

```
Provider file:///opt/lcg/var/gip/provider/lcg-info-space-tokens
```

Other Issues

- It has been noted on some dual hosted nodes that the `Net::Domain` returns the wrong hostname. In this case have instead:

```
my $this_host = `hostname -f`;  
chomp($this_host);  
my $this_domain = $dpm_domain;
```

-- MichelJouvin - 24 Sep 2007

This topic: LCG > GSSDDPMInfo

Topic revision: r13 - 2009-01-27 - PeteGronbech



Copyright &© 2008-2021 by the contributing authors. All material on this collaboration platform is the property of the contributing authors.
or Ideas, requests, problems regarding TWiki? use [Discourse](#) or [Send feedback](#)