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# bdiiconf-gen.pl

## Introduction

Top level BDII server republishes information from site BDII's. In order to do this, top level BDII server uses a list of URIs pointing to site BDII's. Top level BDII downloads this list periodically from a central location.

## Operation

The list of site BDII URIs is generated by the `bdiiconf-gen.pl` script using the information in `GOCDB`.

The script itself runs from cron every 30 minutes on `gridsite` producing publicly available URI list. This list contains all certified, production LCG and OSG sites. Two other lists are created:

- `bdiiconf-osg.conf` - containing all OSG sites, and
- `bdiiconf-lcg.conf` - containing all certified, production LCG sites (OSG sites are not included). These two are used by Laurence Field for OSG.

Generation script also adds and excludes some sites from the list using static files from the `conf` directory.

Some additional OSG sites are appended to the URI list using `get_osg_sites.sh` script.

Logs are available in the `log` directory. If the generation fails for some reason, old version of the list is not overwritten and continues to be used.

Another cron job (maintained by Laurence Field) downloads the URI list and makes it available on the central location. This location is used for historical reasons (it used to contain a manually created list of grid sites).

## Maintenance

The source code for the `bdiiconf-gen.pl` script is available in `CVS`.

The rest of the files (`config`, `cron`) are available only on `gridsite`.

New files are created without execution permissions but they can be made executable using web form.

**NOTE:** Since `gridsite` uses certificate authentication and authorisation you need to have your certificate loaded into the browser and your certificate subject listed in the appropriate `.gacl` file on the server. Otherwise you get "403 Forbidden" error.

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