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# The EMIR configuration for CREAM

The EMIR-SERP allows CREAM to publish all its relevant information already available in the local resource BDII to a specified EMI Registry (EMIR) DSR.

The configuration can be explained by simple steps:

- check if the resource BDII is up and running by executing

```
ldapsearch -x -h localhost -p 2170 -b 'GLUE2GroupID=resource,o=glue' objectClass=GLUE2Serv
```

the command should list the CREAM service(s) installed on the machine. If this is not the case, please check the CREAM configuration

- install the emir-serp

```
sudo yum install emir-serp
```

- edit the configuration file `/etc/emi/emir-serp/emir-serp.ini`, providing the URL for the EMIR DSR and the URL for the resource BDII

```
...
url = http://emitbdsr1.cern.ch:9126
...
[servicesFromResourceBDII]
resource_bdii_url = ldap://localhost:2170/GLUE2GroupID=resource,o=glue
...
```

- you can change the update interval

```
# Period of registration/update messages
# Mandatory configuration parameter
# Value is given in hours
period = 1
```

- and the time EMIR will be told to consider the information valid

```
# Time of registration entry validity
# Mandatory configuration parameter
# Value is given in hours
validity = 2
```

- you might want to set the logging level to debug the first time you start the service

```
verbosity = debug
```

- start the service

```
sudo service emir-serp start
```

- check the log file for an entry like

```
2013-01-09 12:49:22,359 DEBUG EMIR service on url 'http://emitbdsr1.cern.ch:9126' is running
2013-01-09 12:49:22,359 DEBUG Daemon starting...
2013-01-09 12:49:22,373 DEBUG Daemon started
2013-01-09 12:49:22,373 DEBUG Registering service entries
2013-01-09 12:49:22,374 DEBUG Retrieving data from ldap://localhost:2170/GLUE2GroupID=resource,o=glue
2013-01-09 12:49:22,394 DEBUG REGISTRATION: Endpoint ID: cream-27.pd.infn.it_org.glide.ce.
2013-01-09 12:49:22,394 DEBUG REGISTRATION: Endpoint ID: cream-27.pd.infn.it_ComputingElem
```

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It is recommended to set back the logging level to error and restart the service.

- stopping emier-serp will cause the entry to be deleted from the registry.

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