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The CREAM configuration for supporting SLURM (EMI-3)

CREAM interacts with the BLAH component which is an abstraction layer providing a unified interface to the underlying LRMS. Starting from the EMI-3 release the set of the supported LRMS has been extended by adding SLURM. This is a simply guide for configuring CREAM manually (the YAIM functions are not available yet) in order to enable the support of SLURM:

- prerequisites: provide a host SLURM enabled (i.e. SLURM client already installed and configured)
- install CREAM by the EMI-3 release (the installation steps are the same as described by System Administrator Guide for CREAM for EMI-2 release)
 - ◆ be sure to use the EMI-3 repositories
- configure CREAM by YAIM
 - ◆ set your site-info.def as follows:

```
...
JOB_MANAGER=slurm
...
CE_BATCH_SYS=slurm
...
BATCH_BIN_DIR=/usr/local/bin
BATCH_CONF_DIR=/usr/local/nfs/slurm
...
```

- ◆ execute YAIM without the "-n LRMSnode" option:

```
/opt/glite/yaim/bin/yaim -c -d 6 -s /root/emi2/slurm-emi-site-info.def -n creamCE
```

- edit the file /etc/sudoers.forcream and change the *Cmnd_Alias* value as follows:

```
...
Cmnd_Alias GLEEXEC_CMDS = /bin/echo, /bin/mkdir, /bin/cp, /bin/cat, /usr/bin/groups, /usr/b
...
```

- download the file **blah.config** and copy it in /etc
- restart the BLAH parser (i.e. BNotifier)

```
/etc/init.d/glite-ce-blah-parser restart
```

- restart CREAM

```
service tomcat6 restart
```

-- LisaZangrando - 2013-01-21

This topic: CREAM > CREAMConfigurationForSLURM

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