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Checking the ILCDirac Server Status

Dirac Webinterface

Look at the SystemAdministration⬈

> • Click on the machines and select "Show Errors": In many cases the error message is just a warning and can be ignored. This takes some time to get used to.

> • Look ad the System load

Checking the status on the machines

Logon to the VOBOX of interest: voilcdirac01, voilcdirac02, voilcdirac03, etc.

```
ssh voilcdirac01
```

Make yourself dirac user: you'll need to be dirac to start/stop services:

```
sudo su dirac
```

Source the dirac environment if needed

```
source /opt/dirac/bashrc
```

Then you should go to

```
/opt/dirac/startup
```

to have the services/agents running on the machine.

Check the disk space with

```
df -h
```

/opt/dirac should never be at a 100%. In that case, the services start to have problems. In the worst case, the web page fails because it cannot put anything in cache. To "fix" the situation, usually restarting the services is enough: the mySQL cache is emptied, and some disk space recovered. It allows agents to work (in particular the JobCleaningAgent). Now, how to do that?

It requires to know that all services/agents are running with the runit framework (http://smarden.org/runit/⬈). Dirac comes with a set of handy commands to allow proper supervision:

```
runsvctrl t path/to/service
```

restarts the service at path/to/service (example: DataManagement_FileCatalog). To restart properly an agent, it is needed to create an empty file called stop_agent under /opt/dirac/control/Sytem/Agent.

```
runsvctrl d path/to/service
```

takes down the service

```
runsvctrl u path/to/service
```

restarts the service after using the previous.

One can also use

```
 runsvstat *
```

To see what is running and what is down. All on volcd01 should be running.

-- AndreSailer - 2014-10-30

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