

dCache configuration in the WLCG Tier-2, in practice (for v2.2.4 on SL6.5 64bit, in the ATLAS experiment)

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- Installing dCache
- Postgresql configuration
- Information provider in WLCG, door and Queue configurations
- ATLAS VO role configuration
- dCache disk pool and pool configuration
- Space reservation takens in ATLAS
- Performance tuning of RAID cards and etc.

- **Installing dCache**
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- Disabling YUM, to avoid unnecessary corruption or dependency problems in the future
- Installing UMD-2
- Installing LCG CA certificate authority files

- Run “**disable_yum.sh**” (download from [here](#))
- Deleting dag, Installing epel and UMD2

```
EPEL_RPM=epel-release-6-8.noarch.rpm
```

```
UMD_RPM=umd-release-2.0.0-2.el6.noarch.rpm
```

```
[ -e /etc/yum.repos.d/dag.repo ] && rm -v /etc/yum.repos.d/dag.repo
```

```
rpm -e epel-release umd-release
```

```
wget http://dl.fedoraproject.org/pub/epel/6/x86_64/$EPEL_VERSION -O  
$HOME/$EPEL_RPM
```

```
yum -y install $HOME/$EPEL_RPM
```

```
wget http://repository.egi.eu/sw/production/umd/2/sl6/x86_64/updates/  
$UMD_VERSION -O $HOME/$UMD_RPM
```

```
yum -y install $HOME/$UMD_RPM
```

```
yum clean all
```

- **Activate certificate authority public keys**

```
# Installing EGI CA
```

```
yum -y install yum-protectbase ca-policy-egi-core fetch-crl
```

```
# activate periodic CRL update
```

```
chkconfig fetch-crl-boot on
```

```
chkconfig fetch-crl-cron on
```

- Installing required packages and dCache

Installing EGI CA

```
yum -y install java-1.6.0-openjdk-devel ruby
```

```
yum -y install postgresql-server postgresql
```

```
yum -y install bdii glue-schema
```

```
yum -y install dcache-server
```











Space Reservation tokens in ATLAS



Tuning of RAID card in disk pool

