

This is a list of actions to be done over a normal UI.

SLC3

Install ARCD

- Install the arcd daemon rpm:

```
apt-get install arc-server
```

- edit the file */etc/xinetd.d/arc* and change the value on "disable line" to "no"

```
( disable = no)
```

- be sure that the file */etc/krb.realms* contains the lines:

```
.wgs.cern.ch CERN.CH
.plus.cern.ch CERN.CH
```

- be sure that CERN.CH is the first line of the file */etc/krb.conf*

(if the files above do not exist please install *krbafs-1.1.1-11* rpm)

- be sure that the line

```
arc 4241/tcp # Authenticated Remote Control
```

is included in the file */etc/services*

- Make also sure that your local firewall is configured to let

in traffic to port 4241 (arc) (edit the file */etc/sysconfig/iptables* and add this lines before the REJECT rules) and restart then the iptables

```
-A INPUT -m state --state NEW -m tcp -p tcp --dport 4241 -j ACCEPT
/etc/init/iptables restart
```

- remove any possible local cronjobs that tends to restore default iptables (*chmod 655 /etc/cron.hourly/firewall.cron*)
- check the existence of the file */etc/krb5.keytab*.

If not do the command

```
cern-config-srvtab
```

to obtain the */etc/srvtab* and */etc/krb5.keytab* files

ALTERNATIVELY you can do:

```
apt-get install lcm
lcm --configure krb4clt
lcm --configure srvtab
```

and probably also:

```
>lcm --configure krb5clt
```

- Run the command:

```
ln -s /usr/lib/perl/* /usr/lib/perl5/5.8.0/
```

- add users to the file */usr/libexec/arcd/ACL* as following:

```
lfield.@CERN.CH
rgracian.@CERN.CH
santinel.@CERN.CH
```

- In order to add someone to do something you have to add a perl module under the directory */usr/libexec/arcd*. This module should be named as: *remote-command.arc* and should contain both the policy (who can run) and the action (what the command should

do). For instance the module *check_status.arc*:

```
#!/usr/bin/perl

$ACL{'check_status'}="ANY"; sub check_status { system "su - rgracian
/afs/cern.ch/lhcb/project/web/wdqa/DC04-LCG/LCG-Job-Submit/cron_LCG-Check_/
status";
}
```

allows anybody in the ACL file to run the command that sues to the local user "rgracian" and calls the script located under the afs directory:

/afs/cern.ch/lhcb/project/web/wdqa/DC04-LCG/LCG-Job-Submit/cron_LCG-Check_status

- restart xinetd (*/etc/init.d/xinetd restart*)
- If the installation described here doesn't work we strongly suggest to reboot the machine

more info about acrontab can be retrieved at:

[link to arc](#) [other links](#)

default VO

modify */opt/edg/etc/edg_wl_ui_cmd_var.conf* by changing the Default VO:

```
DefaultVo = "lhcb";
```

AFS users allowed:

The following LHCb users have to be added with the command:

```
/afs/usr/local/etc/ccdbuser _username_
```

1. joel
2. paterson
3. rgracian
4. atsareg
5. vgaronne
6. mgsanche

7. saborido
8. acsmith
9. brook
10. castella
11. mbargiot
12. santinel

Disk server for Input/Output Sandboxes:

The LHCb UI needs to have mounted an external file system for storing Input/Output Sandboxes. Add the following line on the /etc/fstab

```
cat >> /etc/fstab <<EOF
lxfsrk524:/shift/lxfsrk524/data01/lxb2004 /storage nfs defaults 0 0
EOF
```

then mount the /storage directory (create it if doesn't exists yet)

```
mount /storage
```

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Install AFS

- cd /afs/cern.ch/lhcb/project/web/wdqa/DC04-LCG/lxn1176/AFS
- rpm -ivh *.rpm

Install ARCD

- mkdir ~root/ACRONTAB
- cd /root/ACRONTAB
- rpm -ivh /afs/cern.ch/project/linux/cern/7.3.4/i386/RedHat/RPMS/pdksh-5.2.14-16.i386.rpm
- Install minisue:
 - ◆ /afs/cern.ch/lhcb/project/web/wdqa/DC04-LCG/lxn1176/ACRONTAB/minisue
- /etc/init.d/xinetd restart
- check if everything is OK:
 - ◆ tail /etc/hosts.allow

(if everything is ok you should see this file changed..) with the new entries:

```
arcd : 127.0.0.1, afsdb1.cern.ch, afsdb2.cern.ch, afsdb3.cern.ch, afsdb4.cern.ch, afsdb5.
```

- ◆ Make sure the file /etc/krb.realm contains the following lines:

```
.wgs.cern.ch CERN.CH
.plus.cern.ch CERN.CH
.cern.ch CERN.CH
```

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cat >> /etc/fstab <<EOF
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EOF
```

then mount the `/storage` directory (create it if doesn't exists yet)

```
mount /storage
```

Please note that the same disk server is mounted by the `lxb2003.cern.ch` SE used for storing and surfing through log files.

```
/shift/lxfsrk524/data01/lxshare009d/data03
```

mail to [roberto.santinelli@cernNOSPAMPLEASE.ch](mailto:roberto.santinelli@cern.ch)

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