

LCG2 Administrators Course
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Installing and Configuring LCFGng

Steve Traylen
s.traylen@rl.ac.uk
Rutherford Appleton Lab





- Starting Point. OS, NTP.
- Checking Out Release.
- Downloading Software.
- Installing Software for LCFGng server.
- Build LiveOS(?)
- LCFG services - Web, NFS, DHCP, TFTP.
- Configuring LCFG for LCG.
 - [site-cfg.h](#)
- Compiling Profiles.



- The starting point for installation is deciding which version to install.

- <http://grid-deployment.web.cern.ch/grid-deployment/cgi-bin/index.cgi?var=releases>

- Checkout the release.

```
echo $CVSROOT  
cvs co -r LCG-2_1_0 lcg2
```

- The LCFGng install guide is contained in docs/LCFGng_server_install.txt.
- This guide should now be followed to the end to set up the LCFGng server, do not continue onto step 14.



- The OS is Redhat 7.3 with Fedora Legacy updates applied.
- The `/etc/dhcpd.conf` file should already be configured for your machines - but check.
- The `/etc/ntp.conf` should already be configured for your machines but please check. (`/usr/sbin/ntpq -p`)
- We shall be using PXE.
- About $\frac{3}{4}$ of total rpm repository has been pre loaded from CERN to save time.
- `/sbin/service ipchains off` (Lets keep it simple)
- `mkdir -p /opt/local/linux/7.3/RPMS/apps_common` (bug fix)



- The /tftpboot/pxelinux.0 file installed in section 11 does not interrogate the bios correctly on this hardware.
- Result is that a **label hd localboot 0** in the pxelinux.cfg/boot-hd.cfg does not work and you can not instruct the PXE stack to boot from the local hard disk.
- Please download latest syslinux package and install latest pxelinux.0 file in /tftpboot/

What now?



- LCFGng server is now completely installed.
- All required configuration and RPMs are held locally.
- The LiveOS is ready to be mounted via a kernel over NFS.
- Proceed now with the main LCG instructions.
"Preparing the installation of the current tag."