RPM-based installation for xrootd storage

Adrian Sevcenco
Institute of Space Science, RO

- Why RPMs?

The effort for compilation and machine deployment is moved on the hands of the provider/package maintainer

- What is the benefit?

Reduction in time and effort for compilation of packages
Easy upgrades

- Ok, where can I get the packages?

Xrootd : EPEL repo for RHEL/CentOS/SL
ALICE specific plugins: WLCG repo

- OK, I installed the software, how can I configure?

The same mechaniscs as before but with a modified xrd.sh

- Is it tested?

It is used in production for all machines of ALICE::ISS::FILE storage

- Is there a detailed documentation/guide for using the new system?

Yes, it is! How to install Xrootd by RPMs

Brief recipe:

1. EPEL && WLCG repos in place

2. yum -y install redhat-lsb-core bind-utils wget alicexrdplugins

3. same settings for /etc/security/limits.conf as before

4. wget http://issaf.spacescience.ro/aliceplugins/alicexrd.tar.gz
wget http://issaf.spacescience.ro/aliceplugins/alicexrdconf.tar.gz

5. put in .bashrc (just example)
export XRDCONFDIR=$HOME/alicexrdconf
export XRDRUNDIR=$HOME/alicexrdrun
(if not, the search for configuration and xrd run directory will be created in the location
of xrd.sh)

6. modifiy in $XRDCONFDIR/system.cnf the following :
SE_NAME, LOCALROOT, OSSCACHE
(**!!!NB!!! to no use the old system.cnf !!!** it was modified, variables that are detected
automatically were removed)

7. ~/<location of xrd.sh>/xrd.sh -c

DONE :)