Upgrade Instructions to StoRM v1.8.x series

Important note
Updating StoRM service do not affect stored and managed data, indeed the StoRM service is decoupled from the data it manages. But, if your StoRM instance is on the same partition where data managed resides, then you MUST backup your data using "star" command.

StoRM versions

Up to now, StoRM has been released in EMI in three versions:

- v 1.7.0 (EMI-1 – update 3), available for **x86_64, SL5** platform
- v1.7.1 (EMI-1 – update 6), available for **x86_64, SL5** platform
- v1.8.0 (EMI-1 – update 9), available for **x86_64, SL5** platform

UMD includes an old version of StoRM, the version v1.7.0.

Previously, StoRM has been released in INFNGrid in several version:

- v 1.6.2 , for Early Adopter only. Available for **x86_64, SL5** platform
- v1.5.x series, Available for **i386, SL4** platform only.

Baseline version: v1.8.x

The 1.8.x versions are considered the baseline version series.

Users, who are adopting previous StoRM versions, are encouraged to move to the last version available.

Upgrading from previous EMI releases

To upgrade StoRM service from a version >= 1.7.0 the instructions are simple:

```
$> service stop <service-name>,
```
for each storm service (FE,BE,…)

```
$> yum update <service-name>,
```
for each storm service (FE,BE,…)

Restart all the services upgraded.

Upgrading from StoRM v1.5.x series (or previous)

The StoRM versions v1.5.x series (or previous) are only SL4: users with such StoRM version need to set up SL5 x86_64 host(s) before installing StoRM v1.8.x.

Please, follow the instructions available at: http://storm.forge.cnaf.infn.it/_media/documentation/storm-1.8.0-sysadminguide.pdf

Upgrading from 1.6.2 StoRM release

Users, who have a StoRM 1.6.X installation, have to re-install StoRM from scratch: the update from StoRM 1.6 to StoRM 1.8.x is not supported.

Please, follow the instructions available at: http://storm.forge.cnaf.infn.it/_media/documentation/storm-1.8.0-sysadminguide.pdf

Backuping Data

The StoRM installation requires clean SL5 x86_64 host(s) for the StoRM services.

Those users who have **StoRM installed on the same partition where resides the file system containing managed files, and must format the partition, must to save files.**

To preserve the data you have to use the "star" command on data files. This command produces

an archive file that maintains extended ACL and extended attributes of files (to get star: "yum

install star", available in SL5 base repo).

After the services installation extract the archive on data host. Then you can proceed configuring

StoRM services.

Remember to check if you have enough space on device to do the backup.

Star examples
Create an archive

> *$> star H=exustar -acl -xattr-linux -c -bz f=<OUTPUT_FILE_NAME>*
> *<INPUT_FOLDER_PATH>*

Extract an archive (in current folder):

> *$> star -acl -xattr-linux -x -bz -U <OUTPUT_FILE_NAME>*