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# Procedures to create and release Standard LHCb RPMs

## Building C++ Project RPMs

ToDo: Explain how to use the lhcb-release slot

## Adding RPMs to the LHCb yum repository

The command **lb-release-rpm** was added for this purpose as from LbScripts v8r0p1 If is the directory containing the new RPMs, it is enough to do:

```
lb-release-rpm <myreleasedir>
```

Then check the output (this should only copy new RPMs not already in the repository) If all seems fine, perform the actual copy by doing:

```
lb-release-rpm <myreleasedir> --copy
```

This command essentially does:

```
cp <myreleasedir>/*.rpm $LHCBTAR/rpm/lhcb  
createrepo --workers=20 --update $LHCBTAR/rpm/lhcb
```

# Special RPMs (procedures for librarians)

## : Meta RPMs for a version of LCG

First get a version of the LbNightlyTools and configure the environment:

```
git clone http://git.cern.ch/pub/LbNightlyTools
cd LbNightlyTools
. ./setup.sh
```

Then produce the spec file for the LHCbExternals version and create the RPM:

```
lbn-generate-extspec LHCbExternals v68r0p1 x86_64-slc6-gcc48-opt -o my.spec
rpmbuild -bb my.spec
```

```
lbn-generate-extspec LHCbExternals v68r0p1 x86_64-slc6-gcc48-dbg -o mydbg.spec
rpmbuild -bb mydbg.spec
```

(see <https://twiki.cern.ch/twiki/bin/view/LHCb/ProjectRelease> for the creation of the externals project)

-- BenjaminCouturier - 18 Jun 2014

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This topic: LHCb > BuildingLHCbRPMs

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