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# LHCb server

LHCb has its own instance of a PyPI server hosted EOS. If you want to browse the packages, you can do it via a web browser at <https://lhcb-pypi.web.cern.ch/>.

## To install from the repository

- `pip install --extra-index-url https://cern.ch/lhcb-pypi/simple/ --trusted-host cern.ch <package name>`

Options:

`--extra-index-url https://cern.ch/lhcb-pypi/simple/` adds our local pypi server to the pip command

`--trusted-host cern.ch` adds the servers certificate as a trusted one

- Another alternative is to configure `~/.pip/pip.conf`:

```
[global]
extra-index-url = https://lhcb-pypi.web.cern.ch/lhcb-pypi/simple/
trusted-host = lhcb-pypi.web.cern.ch
```

## To deploy code to the repository

- If you want to deploy a new packaged project (with a `setup.py` file):

`python setup.py sdist` and `python setup.py bdist_wheel` from your project root folder and then copy the files from dist folder to `/eos/project/l/lhcbwebsites/www/lhcb-pypi/pool/[project name]/`.

- A cronjob running each minute will create the metainfo required by pip client.

- If you want to runt the meta-info generation manually, please execute

`/cvmfs/lhcbdev.cern.ch/tools/pypiMetaInfoTools/regenerateStaticFiles.sh` from a machine that has EOS, CVMFS access as well as `Graphviz` installed

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This topic: LHCb > PythonPyPIServer

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