When logging on a HEPIX enabled machine like those in the `lxplus.cern.ch` cluster, the user environment is customized with experiment specific settings (AKA *group login*).

The LHCb group login script lives in the project LbEnvBootstrap and is deployed as `/cvmfs/lhcb.cern.ch/lib/etc/cern_profile.sh` (there's a tcsh version too, but take into account our UnixShellSupport).

The group login script has the task of

- setting some CERN specific environment variables
- set up the LHCb User Environment (LbEnv) for one of the available flavours

LHCb User Environment deployment flavours

The LHCb User Environment is available on `/cvmfs/lhcb.cern.ch` in 3 flavours:

stable
: (default) version valid for production use. Currently (December 2019) it redirects to `LbLogin`, as `LbEnv` is not yet in production

testing
: validation version in preparation for the next *stable* version
  ◊ when a bug is fixed in a tool, the new version is first deployed in the *testing* flavour and after some validation is moved to *stable*

unstable
: developers' playground, new features or backward incompatible changes are first deployed in the *unstable* flavour

Tuning

The behaviour of LHCb group login script can be tuned by the user via special files in the `$HOME` directory:

`~/.nogrouplogin`
: if present, completely disable environment customization

`~/.nolbenv`
: if present, disable LbEnv, but keep CERN specific variables

`~/.lbenv_flavour`
: it must contain any of *stable*, *testing* or *unstable* to select the version of the LbEnv deployment to use. If missing or invalid, it is equivalent to *stable*

For example, to enable the *testing* flavour:

```
# make sure the customization is enabled
rm ~/.nogrouplogin ~/.nolbenv
# select "testing" flavour
echo testing > ~/.lbenv_flavour
```

For backward compatibility it also honors some legacy customization files, see https://gitlab.cern.ch/lhcb-core/LbEnvBootstrap/blob/master/README.md for details.

-- MarcoClemencic - 2019-04-24

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