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Prototyping CVS Repository

Introduction

We operate temporary CVS repository for prototyping that does not interfere with the standard LHCb repository. This page documents its usage.

How to setup the work environment

The temporary repository together with some helper scripts resides in my (Kurt's) AFS area at CERN:

```
/afs/cern.ch/user/k/krinnert/ateam
```

I created a AFS group `krinnert:lhcbateam`. Every team member is a member of this group. This group has full write permissions for `/afs/cern.ch/user/k/krinnert/ateam` and all of its subdirectories.

To setup the working environment you simply do

```
. /afs/cern.ch/user/k/krinnert/ateam/setup.sh for (ba)sh
```

or

```
source /afs/cern.ch/user/k/krinnert/ateam/setup.csh for (t)csh.
```

This will put `/afs/cern.ch/user/k/krinnert/ateam/bin` in your `PATH` and set the environment variables

- `ATEAMROOT=/afs/cern.ch/user/k/krinnert/ateam`
- `ATEAMPYTHON=/afs/cern.ch/user/k/krinnert/ateam/python`
- `ATEAMCVS=/afs/cern.ch/user/k/krinnert/ateam`

The `/afs/cern.ch/user/k/krinnert/ateam/bin` directory contains two scripts:

- a hacked version of `getpack`
- the `import2ateam` script to import packages from the LHCb repository

How to use the Repository

To check out packages you use the hacked version of `getpack` that should now be the one found in your `PATH`. This version of `getpack` works like the standard one. It just features one more option for the `-f` switch. To add a package to your working area you do:

```
getpack -f ateam <Hat>/<Package> [<Tag>]
```

Afterwards you work as usual.

How to import packages from LHCb into the repository

To import a package from LHCb into our CVS you do:

```
import2ateam <Hat>/<Package> [<Tag>]
```

That's all. Afterwards, if you use `getpack -f ateam`, you will get our prototyping version instead of the standard one.

Initial Packages

Initially, the CVS only contains three packages:

- Tf/TfAlgorithms v0r0
- Tf/TfData v0r0
- Tf/TfTools v0r0

These do not contain any source code yet and will be populated during prototyping.

NOTE: If you check out a package that does not contain any headers in the include directory or any implementation source code in `src/Lib` or `src/component` you have to create and add these directories first. E.g.:

```
cvscvs add src
cd src
mkdir Lib
cvscvs add Lib
```

Then poulate `src/Lib` with your `.cpp` files and finally do `cvscvs ci`.

-- Main.krinnert - 06 Jun 2007

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