

How to put user's application in an arbitrary directory

EPICSTOP/UserHook/ has been the standard directory to place a user's application. This is, however, not so convenient when a new version appears.

- Suppose an application folder "MyApp" be placed in ~/EpicsLoft/, i.e, ~/EpicsLoft/MyApp contains ephook.f, epicsfile, sepicsfile etc (say, EPICSTOP/UserHook/Template is copied).
- If the \$EPICSTOP is established, the user may issue the `hookIsOutSide.sh` command in MyApp.
- Then, do
make clean, make
as usual.

`hookIsOutSide.sh` (which is in \$EPICSTOP/Script) dose the following:

1. Establish a link \$EPICSTOP/epics/ZepMain.f to \$EPICSTOP/UserHook/main.f, if it is absent. i.e., in \$EPICSTOP/epics

```
ln -s ../UserHook/main.f ZepMain.f
```

(This must be relative path). V.9.082 and 9.11 have already such a link.

2. Replace `#include "../main.f"` (in some case `"../../main.f"`) at the first line of ephook.f by `#include "ZepMain.f"`

The modification has already been done if ephook.f is the one that has come from \$EPICSTOP/UserHook/Template.

3. If epicsfile exists, and if the "MediaDir" line there is such as

```
MediaDir "../../Data/Media" /...
```

then, this is replaced by

```
MediaDir "$EPICSTOP/Data/Media" /...
```

This modification has already been done for the epicsfile in Template. If the user uses a name different from "epicsfile", the user must do similar change himself.

Caution: V9.082 cannot use \$EPICSTOP, because the environmental variable is not recognized. The user must have some workaound (say give absolute path).

Normally, these 3 steps will be enough. the `hookIsOutSide.sh` command is not harmful even if it is issued more than once in one and the same directory. In fact, if MyApp is based on Template, `hookIsOutSide.sh` needs not be issued