

## 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/Scrpt`) 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