NEXTSTEP

Title: How to build a "foundation.h" header file

Question

Q: I want to include all foundation header files in my application, but I can't find "foundation.h" under /NextDeveloper/Headers/foundation. How can I build one?

Answer

A: There is no **foundation.h** header in EOF 1.0 or EOF 1.1. However, if your app uses EOF classes, you can   import **eoaccess.h** which also includes all the foundation header files.
Another option is to add the following script to **EODeveloper.post_install** in your EODeveloper.pkg to generate the **foundation.h** file automatically. Note that you must modify the post_install script before each new installation of EOF.

```
set foundation = /NextDeveloper/Headers/foundation/foundation
rm -f ${foundation}.h
cd /NextDeveloper/Headers/foundation
ls *.h | awk '{print "#import \"" $1 "\"" }' > ${foundation}.h
echo -n "        Precompiling ${foundation}.h ... "
/bin/cc -precomp ${foundation}.h -o ${foundation}.p ${RC_CFLAGS} || exit 1
echo "OK."
```

If you have already installed EOF, you can still run the following script as root to generate the header file:

```
echo ""

echo -n "        Checking compiler ... "
if ( ! -x /bin/cc ) then
    echo "Couldn't find /bin/cc.  /bin/cc (in the DeveloperTools package) is required
for building precompiled headers."
    exit 1
endif
echo "OK."

set arch_type = `/usr/bin/arch`
if ( ${arch_type} == "sparc" ) then
    set RC_CFLAGS = "-arch m68k -arch i386 -arch hppa -arch sparc"
else if ( ${arch_type} == "hppa" ) then
    set RC_CFLAGS = "-arch m68k -arch i386 -arch hppa"
else
    set RC_CFLAGS = "-arch m68k -arch i386"
endif

set foundation = /NextDeveloper/Headers/foundation/foundation
rm -f ${foundation}.h
cd /NextDeveloper/Headers/foundation
ls *.h | awk '{print "#import \"" $1 "\"" }' > ${foundation}.h
echo -n "        Precompiling ${foundation}.h ... "
/bin/cc -precomp ${foundation}.h -o ${foundation}.p ${RC_CFLAGS} || exit 1
echo "OK."echo "     ... done."
exit 0
```

Valid for: EOF 1.0, 1.1, NEXTSTEP Developer 3.2, 3.3