

# Post Build Script with Variables





C/C++ - demo-printf/postbuild.sh - AndeSight Standard Version

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Project Explorer

- demo-printf
  - Binaries
  - Includes
  - src
    - ae210p.h
    - ag101p.h
    - ag102.h
    - assert\_demos.h
    - config.h
    - crt0.S
    - crtbegin.S
    - crtend.S
    - init-default.c
    - init-soc.c
    - interrupt.c
    - interrupt.h
    - main-printf.c
    - test.h
    - uart.c
    - Vop.c
  - Debug
  - CmdMakefile
  - nds32.ld
  - nds32.sag
  - nds32-16mb.ld
  - nds32-16mb.sag
  - nds32-ae210p.ld
  - nds32-ae210p.sag
  - nds32-xip.ld
  - nds32-xip.sag
  - nds32-xip-16mb.ld
  - nds32-xip-16mb.sag
  - postbuild.sh

postbuild.sh

```
1 ProjName=$1
2 echo ProjName=${ProjName}
2.1 cat ../src/test.h
4 envvar= awk2.3.1=="#define" && $2=="mydef" '{print $3}' ../src/*.*h
5
6 if [ "${envvar}" == "100" ]; then
7 2.4 echo "${envvar}"
8 else
9     echo "not 100"
10 fi
11
12 echo end postbuild
```

Console

CDT Build Console [demo-printf]

```
./src/Vop.o ./src/crt0.o ./src/crtbe
./src/interrupt.o ./src/main-printf.o
Finished building target: demo-printf

make --no-print-directory post-build
../postbuild.sh demo-printf

1.3 ProjName=demo-printf
2.2 #include <stdio.h>
#define mydef 100
#define bbb 20

#define MAX(a,b) \
({ __typeof__ (a) _a = (a); \
__typeof__ (b) _b = (b); \
_a > _b ? _a : _b; })

2.5 100
end postbuild

Invoking: NM (symbol listing)
nds32le-elf-nm -n -l -C "demo-printf.adx" >
Finished building: output/symbol.txt

Invoking: Readelf (ELF info listing)
nds32le-elf-readelf -a "demo-printf.adx" >
```

Properties for demo-printf

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Settings

Tool Settings

Build Steps

Pre-build steps

Command:

Description:

Post-build steps

Command:

1.1 ../postbuild.sh \${ProjName}

Terminal

```
/cygdrive/c/Andestech/AndeSight211STD/ide_64/workspace/d...
artifacts.xml features plugins workspace
hubert@ANB066 /cygdrive/c/Andestech/AndeSight211STD/ide_64
$ cd workspace
hubert@ANB066 /cygdrive/c/Andestech/AndeSight211STD/ide_64/w
$ cd demo-printf/
hubert@ANB066 /cygdrive/c/Andestech/AndeSight211STD/ide_64/w
$ dos2unix.exe postbuild.sh
dos2unix: converting file postbuild.sh to Unix format ...
hubert@ANB066 /cygdrive/c/Andestech/AndeSight211STD/ide_64/w
$
```



- ❖ Following the red procedure, the parameters will pass to the script.
- ❖ Following the green procedure, the definitions in the .h file will be parsed. You can use this to do extra work.
- ❖ Note: The green procedure only support simple #define. It does support complex definition, ex #ifdef #define.
- ❖ If there are “/r/n” related errors while running the script, use dos2unix.exe to modify the postbuild.sh