

Petran

Petran's purpose is defined in [Symbian OS Glossary](#) as "petran tool converts executables from [PE](#) format to the [Symbian OS](#) executable format"[\[1\]](#). It is invoked only at the final stage of the build process for [ARM](#) targets. petran.exe can be found in the tools directory of the installed [SDK](#) (%epocroot%\epoc32\tools\petran.exe).

Syntax

```
petran [options] inputfile outputfile
petran [options] e32imagefile
```

Options

```
[-v] [[-no]call[entrypoint]] [-priority <priority>]
[-stack <size>] [-heap <min> <max>] [-uid<n> <uid>]
[-allowdlldata] [-datalinkaddress <base>] [-fixed] [-moving]
[-align-const-section] [-const-section-address-mask <mask>]
[-[no]compress] [-capability "<list>"] [-version M.m] [-vid <id>]
[-fpu <softvfp|vfpv2>]
[-dump [h][s][c][d][e][i]]
flags for dump: h Header
                  s Security info
                  c Code section
                  d Data section
                  e Export info
                  i Import table
```

Sample output

```
R:\Epoc32\release\GCCE\UREL>petran -dump h HelloWorldBasic.exe
```

```
PETTRAN - PE file preprocessor V02.01 (Build 549)
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```

```
E32ImageFile 'HelloWorldBasic.exe'
V2.00(505)      Time Stamp: 00e109e2,38142200
EPOC Exe for ARMV5 CPU
Flags: 1200002a
Priority Foreground
Entry points are not called
Image header is format 2
Image is compressed using the DEFLATE algorithm
Uncompressed size 0000fa48
Image FPU support : Soft VFP
Secure ID: a000017f
Vendor ID: 00000000
Capabilities: 00000000 00000000
Exception Descriptor Offset: 00004c19
Exception Index Table Base: 00016bcc
Exception Index Table Limit: 000170dc
RO Segment Base: 00008001
RO Segment Limit: 0000d074
Export Description: Size=000, Type=01

Export description consistent
Module Version: 10.0
Imports are ELF-style
ARM EABI
Built against EKA2
Uids:          1000007a 100039ce a000017f (1e7cca07)
```

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```
Header CRC:      53f755b7
File Size:      0000fa48
Code Size:      0000f0dc
Data Size:      00000000
Compression:    101f7afc
Min Heap Size:  00001000
Max Heap Size:  00100000
Stack Size:     00005000
Code link addr: 00008000
Data link addr: 00400000
Code reloc offset: 0000f850
Data reloc offset: 00000000
Dll ref table count: 14
  Offset  Size  Relocs #Relocs
Code  00009c 00f0dc 00f850 0000ca      +004bbc (entry pnt)
Data  000000 000000
Bss   000000
Import 00f178
```