

Archived:Creating dependencies to Open C components



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Description

To ensure that an Open C application will work, it is worthwhile to create dependencies to any Open C plug-in components that are required to run the application. This way the user will be warned during installation if Open C libraries are not present in the device.

Solution

Creating dependencies to other components is done by declaring the required components in the PKG file:

```
(componentUID), version-range, {"Name for lang 1","Name for lang n",...}
```

For Open C plug-in components, the dependencies can be declared as follows:

```
(0x20009a80), 1, 0, 0, {"Symbian OS PIPS"}
(0x20009aa2), 1, 0, 0, {"Symbian OS STUDIOSERVER"}
(0x10281f34), 1, 0, 0, {"Open C LIBSSL"}
(0x10281f2c), 1, 0, 0, {"Open C GLIBRARY"}
```

In the above example, the dependencies are created to the four OpenC components:

- 'Symbian OS STUDIOSERVER' (installed from stdioserver.sis)
- 'Symbian OS PIPS' (pips_s60_wp.sis)
- 'Open C LIBSSL' (openc_ssl.sis)
- 'Open C GLIBRARY' (openc_glib.sis)

Dependencies may also be targeted to specific component versions:

```
(0x0123BABE), 1, 2, 0 ~ *, *, {"ComponentName"} ; Version greater than or
; equal to 1.2.0 required

(0x0123BABE), 1, 2, 0 ~ 2, 0, {"ComponentName"} ; Version from 1.2.0 to
; 2.00 required

(0x0123BABE), *, *, * ~ 2, 0, {"ComponentName"} ; Any older version up to
; (and including) 2.0.0
; required
```

From S60 3rd Edition, Feature Pack 2 onwards, Open C libraries are part of the S60 platform and therefore always included in the device software builds. It is possible to check if the Open C libraries are located on the ROM (Z: drive) during installation using the following IF statement:

```
IF exists(z:\system\install\openc_stdlibs_stub.sis)
; Open C libraries are located on ROM
ENDIF
```

