

Creating Install Packages for Series 60 Products

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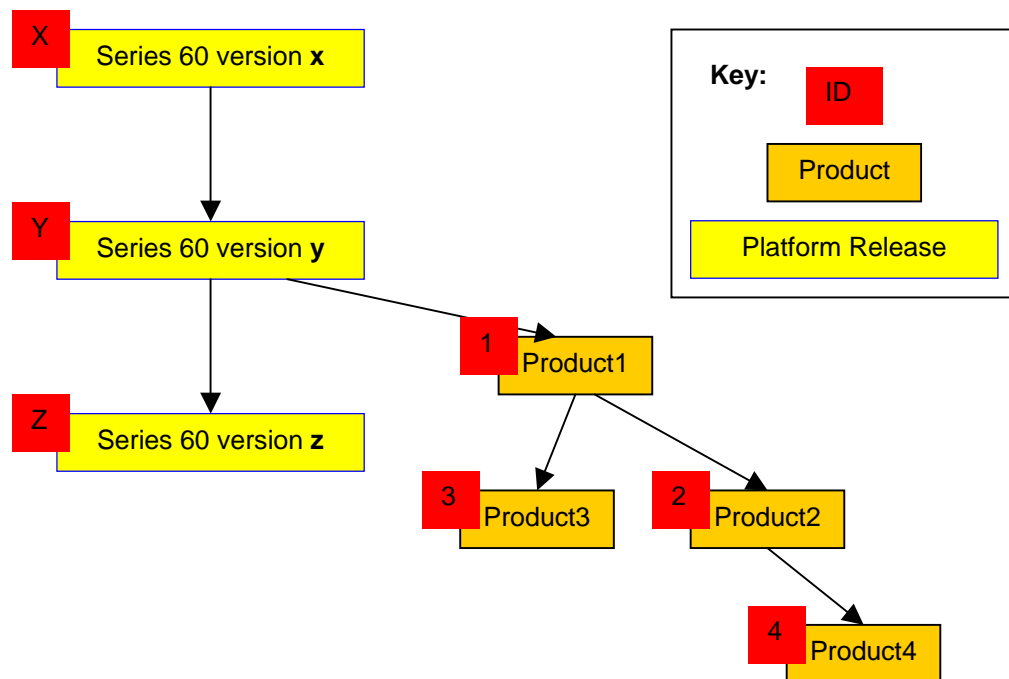
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1. Creating Install Packages for Series 60 Products

Since Series 60 is an evolving platform of products, it is necessary for a developer of an application to specify in an install package which versions of the series 60 platform and/or which specific products are supported.

The way this is done, is that when an application is packaged into a .sis file (i.e. the installation package) a single ID must be specified that defines the point in the Series 60 platform that is compatible with the application.



To illustrate this, consider the diagram showing an example of the evolution of the Series 60 platform. It shows 3 releases of the platform (X, Y and Z) along with some products which are based on version y of the platform.

Assuming binary compatibility is maintained, an application which is written for version X of the platform will also be compatible with version Y, version Z, and all 4 products. Similarly an application designed for version Y, will also be compatible with version Z, and all 4 products. But it may not be compatible with version X as it may require functionality introduced at version Y of the platform. Similarly, although Product 1 is compatible with Series 60 version Y, it may add functionality which means an application designed for Product 1 will not be compatible with version Y of the platform.

The following statements are all true;

- An application designed for version X of the platform is compatible with versions Y and Z and all 4 products, and any future derived products.
- An application designed for version Y of the platform is compatible with version Z and all 4 products, and any future derived products; but is incompatible with version X of the platform and any products derived from it.
- An application designed for product 4 is not compatible with anything else (but will be compatible with any future products derived from product 4)
- An application designed for product 2 is compatible with Product 4, but not compatible with anything else shown (but will be compatible with any future products derived from product 2 or product 4)

Thus, when creating an installation package for a Series 60 device, it is necessary to define in the installation package the highest point in the hierarchy of products and platforms that the installation is compatible with. Each point in the platform has a unique identifier that is published with the SDK for that product or platform version, and that identifier must be used to identify the installation package.

2. Identifying the installation package

The identification is coded as a Requisite in the Package file (.pkg) that defines the installation package. It is necessary to add a line

```
(<UID of compatible platform>), 0, 0, 0, {"Series60ProductID"}
```

to the PKG file for the application, where;

<UID of compatible platform>	The UID of the point in the platform where the application is compatible; Eg 0x101F8202 for Series 60 v1.2 0x101F795F for Series 60 v1.0 0x101F6F88 for Series 60 v0.9
0, 0, 0	This is an unused version field; it must always be defined as (0,0,0)
{"Series60ProductID"}	This is the name of the dependency; it is unused by the Series 60 platform, but this string will be displayed as part of an error message on the user interface of a non-Series 60 Symbian OS device if the sis file is attempted to be installed. It is possible to supply multiple strings if the installation package is multi-lingual.

3. Example PKG File

```
; Example Package file for the Series 60 version 1.2 platform
; For details of the standard package file format, see "Package File Format"
; in the Nokia Series 60 SDK documentation
;
; The only difference to the standard Symbian OS sis file format is the
; Series60ProductID line as indicated below.

;Language - standard language definitions
&EN

;Header - standard sis file header
#{ "<my app name>", (0x12345678), 1, 2, 3

;Supports Series 60 v 1.2
;This line indicates that this installation is for the Series 60 platform v1.2
;This line must appear _exactly_ as shown below in the sis file
;If this line is missing or incorrect, the sis file will not be able
;to be installed on Series 60 v1.2 platforms
(0x101F8202), 0, 0, 0, {"Series60ProductID"}

;Files - standard file specifications
```

4. Identifiers

The identifier for the version 1.2 of the Series 60 platform is 0x101F8202.

5. Using SISAR

If SISAR is being used to create the installation package, it is necessary to specify the same requisite information as described above into SISAR as shown in the screen shot below.

