



SkyOS
Developer network library

SkyOS Package and Software Store format
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Introduction

Each Software for SkyOS comes in a .pkg file, containing all necessary files, data and information for installing and running the application.

This document will describe how to make such a .pkg file.

Requirements

A .pkg file is a normal ZIP archive as used on any other operating system. Additionally, in the root directory of a .pkg file there must be a file called install.sif, containing additional information needed by the software store when installing this package.

.PKG Layout

The directory layout within the ZIP file defines where the software store will put each file into the file system when installing.

SIF

A .sif file is a textfile using the common INI style.

The following document will describe each available section and key in the INI file.

Section	[General]
Key	Magic
Required	Always
Description	Must be set to SkyOS Installation file which identifies a valid Software Store installation file
Example	Magic=SkyOS Installation file

Section	[Description]
Key	Product
Required	Always
Description	Short name of the software included in the package file. This will displayed in the software store when checking for updates and new packages
Example	Product=MyApplication

Section	[Description]
Key	Detail
Required	Always
Description	A short description of the software. This will be displayed while installing the software



Section	[Description]
Example	Product=A application to make useful things

Section	[Description]
Key	Version
Required	Always
Description	A version identifier in the format XX.XX.XX
Example	Version=1.0

Section	[Description]
Key	Copyright
Required	Always
Description	Who has the copyright of this application
Example	Copyright=Your Name or Copyright=FSF

Section	[Description]
Key	Date
Required	Always
Description	When was this package built?
Example	Date=04 th , june 2005

Section	[Description]
Key	License
Required	Recommended
Description	Which license is used by this application? If you use a common license like GPL, LGPL, BSD, MIT, .. you can just use: License=GPL for example. If you use a custom license, but a file named license.txt into the root directory of the package file and use: License= Available common licenses: ATI, BSD, GPL, LGPL, MIT, NVIDIA, PHP
Example	License=LGPL



Section	[Description]
Key	MessagePreInstall
Required	Optional
Description	If this key is present, a message will be shown before the installation starts. The message will be shown in a OK/Cancel dialog box. If the user presses the cancel key, the installation is aborted.
Example	Message="Are you sure you want to install a new display driver?"

Section	[Description]
Key	MinimumOSVersion
Required	Optional
Description	Specifies the minimum required OS version to install this software Format: 0x<major><minor><release><build> For instance: 0x05000903 means SkyOS 5.0 release/beta 9, alpha 3
Example	MinimumOSVersion=0x05000800

Section	[Package]
Key	DefaultPath
Required	Always
Description	Leave this key empty. Reserved for future use
Example	DefaultPath=

Section	[PanelMenu]
Key	
Required	Optional
Description	With this section you can instruct the software store to automatically create panel menu entries for your software. Each each panel menu entry must be in one line. Don't span an entry over two lines!
Example	/menu="Internet and network/Web browser" /name="Mozilla Firefox" /link="/boot/programs/firefox/firefox-bin.app" /icon="/boot/programs/firefox/firefox.ico"



Section	[FileIcons]
Key	
Required	Optional
Description	With this section you can instruct the software store to automatically write the location of an icon into the attribute section of your files. This will define the icon which gets displayed in the panel and application manager when the user starts the application binary. Note: The file icon attribute operation is performed while installing, so you have to use the \$INSTALL_ROOT alias for file paths.
Example	/file="\$INSTALL_ROOT/programs/viewer/viewer.app" /icon="/boot/programs/viewer/viewer.ico"

Section	[Attributes]
Key	
Required	Optional
Description	This section instructs the software store to create file attributes right after unzipping. Available attribute types: string, int
Example	/file="\$INSTALL_ROOT/programs/sysman/sysman.app" /name="Keywords" /type="string" /value="Configure Audio Video Network System Settings File Folder Sharing Services Index"

Section	[Remove]
Key	
Required	Optional
Description	If you have to remove files from old version, add full pathnames to the files here.
Example	/boot/programs/myapp/oldfile.txt

Section	[Postscript]
Key	
Required	Optional
Description	The Installer can execute a script when the package has been installed successfully. Make sure to add the [SCRIPTEND] tag at the end of the script.
Example	[POSTSCRIPT] /boot/programs/unix/bin/writeln "\$INSTALL_ROOT/programs/sysman/sysman.app" Keywords string "Configure Audio Video Network System Settings File Folder Sharing Services Index" [SCRIPTEND]



Section	[Reboot Required]
Key	
Required	Optional
Description	If this section is present, the user is asked to reboot his system after the installation
Example	[Reboot Required]

Section	[End]
Key	
Required	Always
Description	Marks the end of the installation script
Example	[END]



Example

[GENERAL]

Magic=SkyOS Installation file

[DESCRIPTION]

Product=Viewer

Detail=Native filebrowser with SnapIns to preview text and image files

Version=1.00

Copyright=Robert Szeleney

Date=12th, may 2003

License=SkyOS

[PACKAGE]

DefaultPath=

[PANELMENU]

/file=viewer /menu="" /name="Storage Viewer"

/link="/boot/programs/viewer/viewer.app"

/icon="/boot/programs/viewer/viewer.ico"

[FILEICONS]

/file="\$INSTALL_ROOT/programs/viewer/viewer.app"

/icon="/boot/programs/viewer/viewer.ico"

[END]