Oracle® Solaris 11.3 Package Group Lists

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Part No: E54814

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Contents

Using This Documentation

- **Overview** – *Oracle® Solaris 11.3 Package Group Lists* briefly describes packages that are installed by default by the different Oracle Solaris 11.3 installers.
- **Audience** – This book is for system administrators who are responsible for planning the installation of the Oracle Solaris 11.3 operating system (OS).
- **Required knowledge** – Advanced experience in troubleshooting and replacing hardware.

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1

Installation Options Base Package Sets

This document briefly describes the group package types installed by the different Oracle Solaris 11.3 installers. This document also includes lists of the installation group package contents.

Installation Group Packages

A *group package* specifies the set of packages that constitute a feature or tool.

IPS group packages consist solely of packages with dependencies on other packages that make up a logical grouping of software. IPS group packages are similar to Oracle Solaris 10 metaclusters. The primary difference is that metaclusters are nested subsets ranging from a minimal installation to nearly all packages on the media. Group packages have no such hierarchy. Two different IPS group packages can specify some of the same packages as members of the group.

You can install multiple IPS group packages in the same image, including multiple installation group packages. For example, you can install both the `solaris-large-server` and `solaris-desktop` group packages if you need a system that has both server and desktop capabilities. See descriptions of these packages in Chapter 2, "Packages Installed by Group Packages for SPARC Based Systems" and in Chapter 3, "Packages Installed by Group Packages for x86 Based Systems".

You can choose not to install some of the packages that are members of a group package. You can uninstall packages that were installed as part of a group package installation. When you choose not to install members of group packages, additional packages might be affected because of other package dependencies.

> **Note -** Though the package group lists are shown as separate lists for SPARC and x86 architectures, Oracle Solaris uses one set of sources for both architectures. As a result, features such as the Automated Installer (AI), Image Packaging System (IPS), and Service Management Facility (SMF), are available across both SPARC based and x86 based platforms. Differences between the two platforms include hardware specific software such as certain device drivers.

Installation Group Package Types and Usage

The following four group packages are used by the Oracle Solaris 11.3 installers:

- `group/system/solaris-large-server`

  Both the text installer and the default Automated Installer (AI) manifest in an automated client installation install the `group/system/solaris-large-server` (or `solaris-large-server`) group package. The `solaris-large-server` group package contains all of the common network services that an enterprise server must provide. This group package also contains hardware drivers that are required for servers, such as InfiniBand drivers.

- `group/system/solaris-small-server`

  The default installation manifest for non-global zones installs the `group/system/solaris-small-server` (or `solaris-small-server`) group package. The `solaris-small-server` group package is also an alternative you can use to install a smaller set of packages on a server. Some of the tools installed by `solaris-large-server` that are not installed by `solaris-small-server` include the following:

  - `make` command
  - `top` command
  - Some GNU utilities, including the GNU version of the `tar` command
  - CD and DVD writing tools
  - Dynamic reconfiguration

  For a complete list, consult the `solaris-small-server` entries in Chapter 2, "Packages Installed by Group Packages for SPARC Based Systems" or Chapter 3, "Packages Installed by Group Packages for x86 Based Systems".

- `group/system/solaris-minimal-server`

  The `solaris-minimal-server` group package delivers the minimal set of packages required to boot an Oracle Solaris system, log in, and add further packages as required. This package allows you to build your system by adding extra packages, thereby eliminating the need to install a group package and remove packages that are not required.

  The packages included in the `solaris-minimal-server` group package have two types of dependencies:

- `require` - Indicates that the package is required and cannot be removed from the system.
- `group` - Indicates that the package can be removed and replaced by other packages delivering the same functionality.

The following table lists the dependency for packages in the `solaris-minimal-server` group package.

Package Name	Dependency
developer/debug/mdb	require
editor/vim/vim-core	require
group/system/solaris-core-platform	require
package/pkg	require
release/name	require
release/notices	require
shell/bash	require
shell/ksh93	require
system/core-os	require
system/library/platform	require
network/ping	group
service/network/ssh-common	group
shell/tcsh	group
shell/zsh	group
system/network	group

For a complete list, see the `solaris-minimal-server` entries in Chapter 2, "Packages Installed by Group Packages for SPARC Based Systems" or Chapter 3, "Packages Installed by Group Packages for x86 Based Systems".

- `group/system/solaris-desktop`

  The Oracle Solaris 11 GUI installer installs the `group/system/solaris-desktop` (or `solaris-desktop`) group package. This group package contains the GNOME desktop environment and other GUI applications such as web browsers and mail clients. Drivers for graphics and audio devices are also included.

See *Adding and Updating Software in Oracle Solaris 11.3* for information about how to find and install packages that are not in these group packages, and how to avoid installing some of the packages that are in these group packages. The pkg(5) man page describes the Image

Packaging System in more detail. The pkg(1) man page provides more detail about how to find, install, update, and verify IPS packages.

For information on how to use installers and perform various type operating system (OS) installations, see *Installing Oracle Solaris 11.3 Systems*.

2

Packages Installed by Group Packages for SPARC Based Systems

This chapter lists and describes the packages that are installed by each of the Oracle Solaris 11.3 installation group packages for SPARC based systems.

Installation Group Package Content for SPARC Based Systems

The following table shows which packages are delivered on SPARC based systems by each of the group packages `solaris-large-server`, `solaris-small-server`, `solaris-minimal-server`, and `solaris-desktop`.

The installation group package content information is taken directly from the following `pkg list` outputs:

- `pkg list -as `pkg contents -r -H -o fmri -t depend -a type=group solaris-large-server`` for the `solaris-large-server` group package.

- `pkg list -as `pkg contents -r -H -o fmri -t depend -a type=group solaris-small-server`` for the `solaris-small-server` group package.

- `pkg list -as `pkg contents -r -H -o fmri -t depend -a type=group solaris-minimal-server`` for the `solaris-minimal-server` group package.

- `pkg list -as `pkg contents -r -H -o fmri -t depend -a type=require solaris-minimal-server`` for the `solaris-minimal-server` group package.

- `pkg list -as `pkg contents -r -H -o fmri -t depend -a type=group solaris-desktop`` for the `solaris-desktop` group package.

Refer to the pkg(1) man page for more detail about how to find, install, update, and verify IPS packages.

TABLE 1   Group Packages, SPARC Based Systems

Package Name	Description	solaris-large-server	solaris-small-server	solaris-minimal-server	solaris-desktop
archiver/gnu-tar	GNU version of the tar archiving utility	✓			✓
audio/audio-utilities	Audio Applications				✓
codec/flac	Free Lossless Audio Codec				✓
codec/libtheora	Theora video compression codec				✓
codec/ogg-vorbis	Ogg bitstream and Vorbis audio codec libraries				✓
codec/speex	Open Source speech codec				✓
communication/im/pidgin	GNOME multi-protocol instant messaging client				✓
compress/bzip2	high-quality block-sorting file compressor - utilities	✓	✓		✓
compress/gzip	GNU Zip (gzip)	✓	✓		✓
compress/p7zip	The p7zip compression and archiving utility	✓	✓		✓
compress/pbzip2	parallel implementation of bzip2	✓	✓		✓
compress/pixz	parallel indexing version of XZ	✓	✓		✓
compress/unzip	Info-Zip (unzip)	✓	✓		✓
compress/xz	XZ Utils - loss-less file compression application and library.	✓	✓		✓
compress/zip	Info-Zip (zip)	✓	✓		✓
crypto/gnupg	GNU Privacy Guard				✓
crypto/pwgen	Easy to memorize password generator	✓			✓
desktop/administration/nwam-manager	Network Auto-Magic User Interface				✓
desktop/archive-manager/file-roller	GNOME archive manager				✓
desktop/calculator/gcalctool	GNOME calculator utility				✓
desktop/cd-burning/brasero	Gnome CD/DVD burner				✓
desktop/cd-ripping/sound-juicer	CD ripping tool				✓
desktop/character-map/gucharmap	GNOME character map utility				✓
desktop/compiz	OpenGL compositing window manager				✓

Package Name	Description	solaris-large-server	solaris-small-server	solaris-minimal-server	solaris-desktop
desktop/gksu	Gksu CLI and libraries				✓
desktop/pdf-viewer/evince	GNOME PDF document viewer				✓
desktop/remote-desktop/tigervnc	TigerVNC client				✓
desktop/system-monitor/gnome-system-monitor	GNOME system monitor				✓
desktop/time-slider	Time Slider ZFS snapshot management for GNOME				✓
desktop/window-manager/twm	twm - Tab Window Manager for the X Window System				✓
desktop/xdg/menu-editor/alacarte	Simple menu editor for GNOME				✓
desktop/xdg/xdg-user-dirs-gtk	GTK Frontend for handling user directories				✓
desktop/xdg/xdg-utils	The Portland Project's desktop integration tools				✓
desktop/xscreensaver	XScreenSaver - Screen Saver/Locker for the X Window System				✓
developer/assembler	Converts assembler source code to object code.	✓			
developer/build/gnu-make	A utility for directing compilation.	✓			✓
developer/build/make	A utility for managing compilations.	✓			✓
developer/debug/mdb	Modular Debugger (MDB)	✓	✓	✓	✓
developer/gnome/gnome-doc-utils	GNOME documentation utilities				✓
diagnostic/cpu-counters	CPU Performance Counter libraries and utilities	✓	✓		✓
diagnostic/ddu	Graphical Device Driver Utility				✓
diagnostic/ddu/text	Text-based Device Driver Utility	✓			✓
diagnostic/latencytop	LatencyTOP resource contention diagnostic tool	✓	✓		✓
diagnostic/powertop	PowerTOP system power management observability tool	✓	✓		✓
diagnostic/scanpci	scanpci and libpciaccess - generic PCI access software	✓	✓		✓

Package Name	Description	solaris-large-server	solaris-small-server	solaris-minimal-server	solaris-desktop
diagnostic/snoop	snoop command	✓	✓		✓
diagnostic/spray	spray client	✓			✓
diagnostic/tcpdump	network traffic sniffer	✓	✓		✓
diagnostic/top	provides a rolling display of top cpu using processes	✓			✓
diagnostic/wireshark/tshark	Command-line network protocol analyzer	✓	✓		✓
diagnostic/xload	xload - system load average display for X				✓
documentation/gnome/gnome-user-docs	GNOME user documentation				✓
driver/audio/audio-usb	USB audio drivers				✓
driver/audio/audiols	Creative Audigy LS audio driver				✓
driver/audio/audiop16x	Creative P16X audio driver				✓
driver/graphics/usbvc	USB video class driver				✓
driver/ieee-1394/av1394	IEEE 1394 AV driver				✓
driver/ieee-1394/dcam1394	IEEE 1394 video conferencing class driver				✓
driver/network/ethernet/dmfe	Davicom DM9102A NIC Driver	✓	✓		✓
driver/network/ethernet/eri	Sun RIO NIC Driver	✓	✓		✓
driver/network/ethernet/hme	SunSwift Adapter Drivers (fas, hme)	✓	✓		✓
driver/network/ethernet/qfe	Sun Quad FastEthernet Driver	✓	✓		✓
driver/network/wlan/pcan	Cisco Aironet Wireless NIC Driver	✓	✓		✓
driver/network/wlan/pcwl	Lucent and PRISM-II Wireless NIC driver	✓	✓		✓
driver/storage/glm	LSI 53C family host bus adapter driver	✓	✓		✓
driver/x11/winlock	X Windows System window driver				✓
editor/gedit	GNOME text editor				✓
editor/gedit/gedit-plugins	A collection of plugins for gedit				✓
editor/gvim	Vi IMproved (GUI)				✓
editor/nano	A small text editor	✓			✓
editor/vim	Vi IMproved	✓			✓

Package Name	Description	solaris-large-server	solaris-small-server	solaris-minimal-server	solaris-desktop
editor/vim/vim-core	Vi IMproved (core executables)		✓	✓	
file/filesync	filesync command	✓			✓
file/gnu-coreutils	GNU Core Utilities	✓			✓
file/gnu-findutils	GNU findutils	✓			✓
file/mlocate	Merging fast file location utility	✓			✓
gnome/accessibility/orca	Orca screen reader/magnifier				✓
gnome/applet/gnome-applets	GNOME panel applets				✓
gnome/applet/gnome-fun-applets	GNOME panel applets - amusements				✓
gnome/applet/gnome-internet-applets	GNOME panel applets - internet				✓
gnome/applet/gnome-intranet-applets	GNOME panel applets - intranet				✓
gnome/applet/gnome-mm-applets	GNOME panel applets - multimedia				✓
gnome/applet/gnome-utility-applets	GNOME panel applets - utility				✓
gnome/disk-analyzer/baobab	GNOME disk usage analyzer				✓
gnome/file-manager/nautilus	GNOME file manager				✓
gnome/ggv	GNOME PostScript document viewer (Obsolete)				✓
gnome/gnome-audio	GNOME audio support framework				✓
gnome/gnome-camera	GNOME digital camera tool				✓
gnome/gnome-dictionary	GNOME dictionary tool				✓
gnome/gnome-keyring	GNOME keyring libraries				✓
gnome/gnome-log-viewer	GNOME log viewer				✓
gnome/gnome-panel	GNOME panel and support libraries				✓
gnome/gnome-power-manager	GNOME Power Manager utilities for desktop users				✓
gnome/gnome-remote-desktop	GNOME remote desktop				✓
gnome/gnome-screenshot	GNOME screenshot tool				✓
gnome/gnome-search-tool	GNOME file search tool				✓
gnome/gnome-session	GNOME session manager				✓

Package Name	Description	solaris-large-server	solaris-small-server	solaris-minimal-server	solaris-desktop
gnome/help-viewer/yelp	GNOME help system				✓
gnome/media/gnome-media	GNOME media components				✓
gnome/media/gnome-media-player	GNOME media player				✓
gnome/preferences/control-center	GNOME desktop wide preference configuration tools				✓
gnome/speech/gnome-speech	GNOME text-to-speech engine				✓
gnome/speech/gnome-speech/driver/gnome-speech-espeak	GNOME text-to-speech engine - eSpeak Synthesis Driver				✓
gnome/theme/background/os-backgrounds	Selection of OpenSolaris backgrounds for the GNOME desktop				✓
gnome/theme/background/os-backgrounds-extra	Selection of OpenSolaris backgrounds for the GNOME desktop - extra backgrounds				✓
gnome/theme/gnome-icon-theme	GNOME Icon Themes				✓
gnome/theme/gnome-themes	Gnome themes				✓
gnome/theme/gtk2-engines	Engines for GTK2 Themes				✓
gnome/theme/hicolor-icon-theme	GNOME Hi Color Icon Theme				✓
gnome/theme/nimbus	Engine for Sun Nimbus GTK2 Theme				✓
gnome/theme/nimbus-hires	GNOME themes - high resolution icons				✓
gnome/theme/sound/xdg-sound-theme	XDG FreeDesktop Sound Theme				✓
gnome/theme/tango-icon-theme	Tango icon theme				✓
gnome/window-manager/metacity	GNOME window manager				✓
gnome/zenity	GNOME graphical dialog box generator				✓
group/system/management/rad/rad-server-interfaces	RAD server modules group package	✓	✓		✓
group/system/solaris-core-platform	Oracle Solaris Core Platform	✓	✓	✓	✓
image/dcraw	dcraw - Decoding RAW digital photos				✓
image/imagemagick	ImageMagick - Image Manipulation Utilities and Libraries				✓
image/viewer/eog	GNOME image viewer				✓

Package Name	Description	solaris-large-server	solaris-small-server	solaris-minimal-server	solaris-desktop
install/installadm	installadm utility	✓			
install/js2ai	JumpStart to AI utility	✓			
library/accessibility/brltty	Braille support				✓
library/demo/audio-samples	Audio Sample Sound Files				✓
library/desktop/gtk2/gtk-backend-cups	GTK+ - GIMP toolkit libraries - CUPS Print Backend				✓
library/desktop/search/tracker	Desktop search tool				✓
library/gnome/gnome-keyring	GNOME keyring libraries				✓
library/gnome/gvfs	GNOME virtual file system framework				✓
library/libproxy/libproxy-gnome	Plugin of libproxy to get proxy information set by GConf				✓
library/myspell/dictionary/de	Myspell and Hunspell spell dictionary files for German				✓
library/myspell/dictionary/en	Myspell and Hunspell spell dictionary files for English				✓
library/myspell/dictionary/es	Myspell and Hunspell spell dictionary files for Spanish				✓
library/myspell/dictionary/fr	Myspell and Hunspell spell dictionary files for French				✓
library/myspell/dictionary/it	Myspell and Hunspell spell dictionary files for Italian				✓
library/myspell/dictionary/pt_br	Myspell and Hunspell spell dictionary files for Brazilian Portugese				✓
library/python/coherence-27	DLNA/UPnP framework for the digital living				✓
mail/thunderbird	Mozilla Thunderbird Email/ Newsgroup Client				✓
mail/thunderbird/plugin/thunderbird-lightning	Mozilla Thunderbird Email/ Newsgroup Client - Calendar				✓
media/cdrtools	CD/DVD/BluRay command line recording software	✓	✓		✓
media/cdrw	Utility for writing to CD-R/RW and DVD{+-}R/RW disks	✓			✓
media/dvd+rw-tools	Toolchain to master DVD +RW/+R media	✓			✓

Package Name	Description	solaris-large-server	solaris-small-server	solaris-minimal-server	solaris-desktop
media/xorriso	GNU xorriso	✓	✓		✓
naming/ldap	LDAP Utilities	✓	✓		✓
network/dns/bind	BIND DNS tools	✓	✓		✓
network/finger	finger command	✓			✓
network/ftp	FTP client command	✓			✓
network/ftp/ncftp	NcFTP - client application implementing FTP	✓			✓
network/ipfilter	Solaris IP Filter	✓	✓		✓
network/legacy-remote-utilities	Legacy remote network client commands	✓			✓
network/netcat	Netcat command	✓			✓
network/open-fabrics	Oracle Solaris OpenFabrics userland libraries and applications	✓	✓		
network/ping	Ping command	✓	✓	✓	✓
network/rsync	fast incremental file transfer utility	✓	✓		✓
network/ssh	Secure Shell (SSH) protocol server, client and associated utilities	✓	✓		✓
network/talk	Talk client command	✓			✓
network/telnet	Telnet client command	✓			✓
network/whois	whois command	✓			✓
package/pkg	Image Packaging System	✓	✓	✓	✓
package/pkg/depot	IPS Depot	✓			
package/pkg/package-manager	GUI for Image Packaging System				✓
package/pkg/update-manager	Update Manager for Image Packaging System				✓
package/rpm	Utilities for processing RPM archives	✓			✓
package/svr4	System V Release 4 packaging commands	✓			✓
print/cups	Common Unix Print System (CUPS)	✓			✓
print/cups/filter/foomatic-db	Foomatic database of PostScript Printer Definition files	✓			✓

Package Name	Description	solaris-large-server	solaris-small-server	solaris-minimal-server	solaris-desktop
print/cups/filter/foomatic-db-engine	Foomatic Database Engine	✓			✓
print/cups/hal-cups-utils	Automatic queue creation for CUPS	✓			✓
print/cups/system-config-printer	Print Manager for CUPS				✓
print/filter/a2ps	GNU a2ps - 'Anything to PostScript' converter and pretty printer	✓			✓
print/filter/ghostscript	GPL Ghostscript				✓
print/filter/ghostscript/fonts/gnu-gs-fonts-other	GNU Ghostscript Fonts (Other)				✓
print/filter/ghostscript/fonts/gnu-gs-fonts-std	GNU Ghostscript Fonts (Standard)				✓
print/filter/gutenprint	Gutenprint - Drivers for Canon, Epson, Lexmark & PCL printers				✓
print/filter/hplip	hpijs - HP InkJet Server	✓			✓
print/lp/filter/foomatic-rip	foomatic-filters - Foomatic Print Filters	✓			✓
print/mp	MP Print Filter				✓
print/psutils	PostScript utilities	✓			✓
release/name	Solaris Naming Enabler	✓	✓	✓	✓
release/notices	Oracle Solaris notices	✓	✓	✓	✓
release/os-welcome	Oracle Solaris Welcome Pack				✓
release/registration	Solaris Service Tag creation	✓	✓		✓
runtime/java/jre-8	Java Platform Standard Edition Runtime Environment	✓	✓		✓
security/bart	Basic Audit Reporting Tool (BART)	✓			✓
security/compliance	Compliance Command and Framework	✓	✓		
security/nss-utilities	Network Security Services Utilities	✓	✓		✓
security/sudo	sudo - tool to allow certain tasks to be run as root by ordinary users	✓	✓		✓
security/tcp-wrapper	TCP Wrapper	✓	✓		✓
service/diagnostic/spray	spray server	✓			✓
service/file-system/nfs	NFS server	✓	✓		✓

Package Name	Description	solaris-large-server	solaris-small-server	solaris-minimal-server	solaris-desktop
service/file-system/smb	SMB/CIFS server libraries and commands	✓			
service/gnome/desktop-cache	desktop-cache is a set of SMF services used to update the various GNOME desktop caches.				✓
service/network/comsat	Comsat (biff) service	✓			✓
service/network/dhcp/isc-dhcp	ISC DHCP Server and Relay Agent.	✓			
service/network/dns/bind	BIND DNS name server and configuration tools.	✓	✓		✓
service/network/dns/mdns	Multicast DNS and Service Discovery	✓			✓
service/network/finger	finger daemon	✓			✓
service/network/ftp	FTP Server and Utilities	✓			✓
service/network/legacy-network-services	Common network services: time, daytime, echo, discard, chargen	✓			
service/network/legacy-remote-utilities	Legacy remote network server commands	✓			✓
service/network/load-balancer/ilb	IP layer 3/4 load balancer	✓			✓
service/network/ntp	Network Time Protocol Daemon v4	✓			✓
service/network/slp	Service Location Protocol (SLP) framework	✓			✓
service/network/smtp/sendmail	Sendmail utilities	✓	✓		✓
service/network/ssh-common	Secure Shell (SSH) service and configuration files	✓	✓	✓	✓
service/network/talk	Talk service	✓			✓
service/network/telnet	Telnet service	✓			✓
service/network/tftp	Trivial File Transfer (TFTP) service	✓			
service/network/wpa	Wireless networking WPA supplicant	✓	✓		✓
service/postrun	Delayed execution environment for procedural package scripts				✓
service/security/gss	GSSAPI CONFIG V2	✓	✓		✓
service/security/kerberos-5	Kerberos V5 support	✓	✓		✓

Package Name	Description	solaris-large-server	solaris-small-server	solaris-minimal-server	solaris-desktop
service/security/key-management/sparc-enterprise	Key management modules for SPARC Enterprise	✓			
service/storage/rmt	rmt command	✓			✓
shell/bash	GNU Bourne-Again shell (bash)	✓	✓	✓	✓
shell/expect	expect - Programmed dialogue with other interactive programs	✓			✓
shell/gnu-getopt	parse command-line arguments from shell scripts	✓			✓
shell/ksh93	Ksh93 - The AT&T Korn Shell	✓	✓	✓	✓
shell/pipe-viewer	Pipe Viewer	✓			✓
shell/tcsh	Tenex C-shell (tcsh)	✓		✓	✓
shell/which	GNU which	✓			✓
shell/zsh	Z Shell (zsh)	✓		✓	✓
source/security/tcp-wrapper	Source for TCP Wrapper	✓	✓		✓
support/explorer	Oracle RDA/Explorer Data Collector	✓	✓		✓
system/accounting/legacy-accounting	System Accounting	✓			✓
system/boot-environment-utilities	Boot environment management tool	✓	✓		✓
system/boot/grub	GNU GRUB 2 - GNU GRand Unified Boot loader	✓	✓		✓
system/boot/wanboot	WAN boot support	✓			
system/core-os	Core Solaris	✓	✓	✓	✓
system/data/terminfo	Terminal Information	✓			✓
system/data/terminfo/terminfo-core	Core Terminal Information	✓	✓		✓
system/data/timezone	Timezone Definition	✓	✓		✓
system/device-administration	Kernel driver administration	✓	✓		✓
system/display-manager/desktop-startup	Desktop startup scripts in xinitrc.d				✓
system/display-manager/gdm	GNOME display manager				✓
system/domain-configuration/sparc-enterprise	Domain Configuration Server (DCS)	✓			
system/dtrace	DTrace Clients	✓	✓		✓
system/dtrace/dtrace-toolkit	DTraceToolkit 0.99	✓	✓		✓

Package Name	Description	solaris-large-server	solaris-small-server	solaris-minimal-server	solaris-desktop
system/dynamic-reconfiguration	Dynamic reconfiguration and hotplug	✓			
system/electronic-prognostics	Electronic Prognostics	✓			✓
system/embedded-fcode-interpreter	Embedded FCode Interpreter Drivers	✓			
system/fault-management	Fault Management Architecture (FMA)	✓	✓		✓
system/fault-management/asr-notify	Auto Service Request Notification for FMA Events	✓	✓		✓
system/fault-management/smtp-notify	Email Notification Daemon for System Events	✓	✓		✓
system/fault-management/snmp-notify	SNMP Notification Daemon for System Events	✓			✓
system/file-system/autofs	AutoFS file system	✓	✓		✓
system/file-system/hsfs	High Sierra/ISO 9660 file system	✓	✓		✓
system/file-system/nfs	NFS client file system	✓	✓		✓
system/file-system/pcfs	FAT (DOS) PC file system	✓	✓		✓
system/file-system/smb	SMB/CIFS client file system				✓
system/file-system/udfs	UDFS file system	✓	✓		✓
system/file-system/ufs	UFS file system	✓	✓		✓
system/file-system/uvfs	User Virtual File System (UVFS) libraries and commands	✓	✓		✓
system/file-system/zfs	ZFS file system	✓	✓		✓
system/firmware-utilities	Sun firmware flash update tool (fwflash)	✓	✓		✓
system/font/truetype/arphic-uming	Chinese TrueType font				✓
system/font/truetype/dejavu	DejaVu fonts				✓
system/font/truetype/hanyang-ko-core	HanYang Korean TrueType core fonts				✓
system/font/truetype/ipafont	IPA Font Gothic				✓
system/font/truetype/liberation	Liberation fonts				✓
system/font/truetype/lohit	Lohit Indic fonts				✓
system/font/xorg/iso8859-1	X.Org Foundation X11 iso8859-1 bitmap fonts				✓
system/font/xorg/xorg-core	X.Org Foundation X11 core fonts				✓

Package Name	Description	solaris-large-server	solaris-small-server	solaris-minimal-server	solaris-desktop
system/fru-id	Field-Replaceable Unit (FRU) ID utilities and libraries	✓			✓
system/graphics/fbconfig	Frame Buffer Configuration Utility				✓
system/graphics/fbconfig/fbconfig-ast	AST Graphics Configuration and Diagnostics Software				✓
system/graphics/fbconfig/fbconfig-efb	Sun XVR-300, XVR-100, XVR-50 Graphics Configuration and Diagnostics Software				✓
system/graphics/fbconfig/fbconfig-mga	MGA Graphics Configuration and Diagnostics Software				✓
system/hal	Hardware Abstraction Layer (HAL) service and API	✓			✓
system/input-method/ibus	IBus - Intelligent Input Bus				✓
system/input-method/ibus/anthy	IBus Japanese IME - anthy				✓
system/input-method/ibus/chewing	IBus Chinese IME - chewing				✓
system/input-method/ibus/hangul	IBus Korean IME - hangul				✓
system/input-method/ibus/ibus-m17n	IBus Multilingual IME - m17n				✓
system/input-method/ibus/sayura	The Sinhala engine for IBus input platform				✓
system/input-method/ibus/sunpinyin	IBus Chinese IME - SunPinyin				✓
system/input-method/ibus/xkbc	IBus Keyboard layout emulation IME - xkbc				✓
system/input-method/imf-startup	Input Method Framework startup				✓
system/install/configuration	Core System Configuration Components	✓	✓		✓
system/install/locale	Localization for system install libraries and commands	✓	✓		✓
system/install/tests	Solaris install test utilities	✓			✓
system/io/audio	Core audio device drivers and configuration utility				✓
system/io/fc/fc-fabric	Fibre Channel fabric device node management plug-in	✓	✓		✓
system/kernel/cpu-counters	Kernel support for CPU Performance Counters	✓	✓		✓

Package Name	Description	solaris-large-server	solaris-small-server	solaris-minimal-server	solaris-desktop
system/kernel/io-performance-counters	Kernel support for IO chip performance counters	✓	✓		✓
system/kernel/power	System power management support	✓	✓		✓
system/kernel/suspend-resume	System suspend and resume support	✓	✓		✓
system/kernel/ttrace	Trap trace on SPARC & x86 platform	✓	✓		✓
system/keyboard/kbd_mode	kbd_mode - change the keyboard translation mode				✓
system/keyboard/keyboard-utilities	Keyboard utilities	✓	✓		✓
system/ldoms/ldomsmanager	Logical Domains Manager	✓	✓		
system/library/iconv/unicode-core	Core iconv modules for Unicode	✓			
system/library/iconv/utf-8	Iconv modules for UTF-8 locales	✓	✓		✓
system/library/platform	Core Architecture, (Kvm)	✓	✓	✓	✓
system/linker	Core linking support	✓	✓		✓
system/locale	language support components	✓	✓		✓
system/locale/support	Language Support cluster				✓
system/management/fwupdate	Oracle Hardware Management Pack - fwupdate	✓	✓		✓
system/management/hmp-snmp	Oracle Hardware Management Pack - SNMP plugins	✓			
system/management/hwmgmtcli	Oracle Hardware Management Pack - hwmgmtcli	✓	✓		
system/management/hwmgmtd	Oracle Hardware Management Pack - Hardware Agent	✓			
system/management/ilomconfig	ILOM Configuration Utility	✓	✓		✓
system/management/ipmitool	ipmitool - utility for controlling IPMI-enabled devices	✓	✓		✓
system/management/ocm	Oracle Configuration Manager (OCM)	✓	✓		✓
system/management/rad	RAD - Remote Administration Daemon	✓	✓		✓
system/management/rad/client/rad-java	RAD Java client libraries	✓	✓		✓

Package Name	Description	solaris-large-server	solaris-small-server	solaris-minimal-server	solaris-desktop
system/management/rad/client/rad-python	RAD Python client modules	✓	✓		✓
system/management/raidconfig	Oracle Hardware Management Pack - raidconfig	✓	✓		✓
system/management/snmp/net-snmp	Net-SNMP Agent files and libraries	✓			✓
system/management/snmp/net-snmp/addons	Net-SNMP addon libraries	✓			✓
system/management/snmp/net-snmp/documentation	Net-SNMP Agent man pages and html documentation files	✓			✓
system/management/visual-panels-core	Visual Panels framework				✓
system/management/visual-panels/panel-apache	Apache Web Server Administration GUI				✓
system/management/visual-panels/panel-coreadm	Core Files Administration GUI				✓
system/management/visual-panels/panel-firewall	Service Firewall Administration GUI				✓
system/management/visual-panels/panel-smf	SMF Service Administration GUI				✓
system/management/visual-panels/panel-sysmon	System Monitor GUI				✓
system/management/visual-panels/panel-time	Time Settings GUI				✓
system/management/visual-panels/panel-usermgr	User Manager GUI				✓
system/management/visual-panels/panel-zconsole	Zone Console Panel				✓
system/manual	On-Line Manual Pages	✓	✓		✓
system/manual/locale	Localized On-Line Manual Pages	✓	✓		✓
system/network	Core Network Infrastructure	✓	✓	✓	✓
system/network/avahi	Avahi client and bridge to SUNWdsd				✓
system/network/bpf	Berkeley Packet Filter	✓	✓		✓
system/network/ike	Internet Key Exchange (IKE) services	✓	✓		✓
system/network/nis	Network Information System (NIS)	✓	✓		✓
system/network/ppp	Solaris PPP 4.0	✓			✓
system/network/ppp/pppdump	GNU utilities for Solaris PPP 4.0	✓			✓
system/network/ppp/tunnel	PPP Tunneling, PPPoE	✓			✓

Package Name	Description	solaris-large-server	solaris-small-server	solaris-minimal-server	solaris-desktop
system/network/routing	Network routing daemons/commands	✓	✓		✓
system/picl	Platform Information and Control Library (PICL) framework	✓	✓		✓
system/prerequisite/gnu	GNU prerequisites	✓	✓		✓
system/resource-mgmt/dynamic-resource-pools	Dynamic resource pools	✓	✓		✓
system/resource-mgmt/resource-caps	Solaris Resource Capping Daemon	✓	✓		✓
system/resource-mgmt/resource-pools	Resource pools	✓	✓		✓
system/storage/fc-utilities	Fibre Channel Utilities	✓	✓		✓
system/storage/media-volume-manager	Removable volume manager	✓			✓
system/storage/multipath-utilities	Solaris Multipathing CLI	✓	✓		✓
system/storage/nvme-utilities	NVMExpress(nvme) utility	✓	✓		✓
system/storage/raid-utilities	RAID hardware utility	✓	✓		✓
system/storage/removable-media	Storage media management library	✓			✓
system/storage/sas-utilities	Serial Attached SCSI (SAS) utility	✓	✓		✓
system/system-events	System event daemon	✓	✓		✓
system/virtual-console	Virtual Consoles	✓	✓		✓
system/xopen/xcu4	XCU4 Utilities	✓			✓
system/xopen/xcu6	XCU6 Utilities	✓			✓
system/zones	Solaris Zones configuration and administration	✓	✓		✓
system/zones/brand/brand-solaris	Solaris Zones: solaris branded zone	✓	✓		✓
system/zones/brand/brand-solaris-kz	Solaris Kernel Zones (solaris-kz branded zones)	✓	✓		✓
system/zones/brand/brand-solaris10	Solaris 10 Zones (solaris10 branded zones)	✓			✓
terminal/fbconsole	fbconsole - fallback console				✓
terminal/gnome-terminal	GNOME terminal emulator				✓
terminal/luit	luit - Locale and ISO 2022 support for Unicode terminals	✓	✓		✓
terminal/resize	resize - adjust terminal settings to current window size	✓	✓		✓

Package Name	Description	solaris-large-server	solaris-small-server	solaris-minimal-server	solaris-desktop
terminal/screen	GNU Screen	✓			✓
terminal/xterm	xterm - terminal emulator for X				✓
text/doctools	Documentation Tools	✓	✓		✓
text/doctools/ja	Japanese Documentation Tools for manual pages	✓	✓		✓
text/gawk	GNU awk	✓			✓
text/gnu-diffutils	GNU diffutils	✓			✓
text/gnu-grep	GNU grep utilities	✓			✓
text/gnu-patch	The GNU Patch utility	✓			✓
text/gnu-sed	gsed - GNU implementation of sed, the Unix stream editor	✓			✓
text/groff	GNU troff Text Formatting	✓			✓
text/less	pager program similar to more	✓	✓		✓
text/spelling-utilities	Spell checking support	✓	✓		✓
text/texinfo	Documentation system for on-line information and printed output	✓			✓
web/browser/firefox	Mozilla Firefox Web browser				✓
web/browser/firefox/plugin/firefox-java	Java runtime integration - plugin				✓
web/browser/w3m	A text-based web browser				✓
web/data/firefox-bookmarks	Firefox's default bookmark				✓
web/wget	wget - GNU wget	✓	✓		✓
x11/colormap-utilities	X Colormap Utilities				✓
x11/data/workspace-patterns	Bitmap patterns for workspace backgrounds				✓
x11/data/xbitmaps	X Window System standard bitmaps				✓
x11/data/xcursor-themes	X.Org default X11 cursor themes				✓
x11/demo	X Window System demo programs				✓
x11/demo/mesa-demos	Mesa sample GLX clients				✓
x11/diagnostic/x11-info-clients	X Window System diagnostic and information display clients				✓

Package Name	Description	solaris-large-server	solaris-small-server	solaris-minimal-server	solaris-desktop
x11/diagnostic/xev	xev - X11 event monitor				✓
x11/diagnostic/xscope	xscope - X Window Protocol Viewer				✓
x11/documentation/xorg-docs	X Window System common documentation				✓
x11/font-utilities	X Window System font utilities				✓
x11/keyboard/data-xkb	X.Org Foundation Xserver keyboard layouts				✓
x11/keyboard/xkb-utilities	X Window System X Keyboard Extension (XKB) Utilities				✓
x11/keyboard/xkbcomp	X Keyboard Extension data compiler				✓
x11/server/xephyr	Xephyr - X server displaying to a window on a pre-existing X display				✓
x11/server/xorg	Xorg - X11R7 X server				✓
x11/server/xorg/driver/xorg-input-keyboard	xf86-input-kbd - Keyboard input driver for the Xorg X server				✓
x11/server/xorg/driver/xorg-input-mouse	xf86-input-mouse - Mouse input driver for the Xorg X server				✓
x11/server/xorg/driver/xorg-input-void	xf86-input-void - null input driver for Xorg server				✓
x11/server/xorg/driver/xorg-video	Xorg server video drivers group				✓
x11/server/xvnc	TigerVNC X11/VNC server				✓
x11/session/dsession	dsession - Dynamic Session Manager				✓
x11/session/sessreg	sessreg - X session utmp/wtmp registration				✓
x11/session/smproxy	smproxy - X Session Manager Proxy				✓
x11/session/winsysck	winsysck - check which window system protocols are available				✓
x11/session/xauth	xauth - X authority file utility				✓

Package Name	Description	solaris-large-server	solaris-small-server	solaris-minimal-server	solaris-desktop
x11/session/xinit	xinit & startx - X Window System manual session startup				✓
x11/x11-server-utilities	X11 server state utilities				✓
x11/x11-window-dump	X11 Window Dump (screenshot) utilities				✓
x11/xcalc	xcalc - scientific calculator for X				✓
x11/xclipboard	xclipboard & xcutsel tools for clipboard management				✓
x11/xfd	xfd - display all the characters in an X font				✓
x11/xfontsel	xfontsel - point and click selection of X11 font names				✓
x11/xfs	xfs - X Font Server				✓
x11/xfs/xfs-utilities	X Font Server utilities				✓
x11/xkill	xkill - utility to forcibly close X11 clients				✓
x11/xlock	xlock - X display screen lock				✓
x11/xmag	xmag - magnify parts of the screen				✓
x11/xvidtune	xvidtune - video mode tuner for Xorg servers				✓

♦♦♦ C H A P T E R 3

3

Packages Installed by Group Packages for x86 Based Systems

This chapter lists and describes the packages that are installed by each of the Oracle Solaris 11.3 installation group packages for x86 based systems.

Installation Group Package Content for x86 Based Systems

The following table shows which packages are delivered on x86 based systems by each of the group packages `solaris-large-server`, `solaris-small-server`, `solaris-minimal-server`, and `solaris-desktop`.

The installation group package content information is taken directly from the following `pkg list` outputs:

- `pkg list -as `pkg contents -r -H -o fmri -t depend -a type=group solaris-large-server`` for the `solaris-large-server` group package.

- `pkg list -as `pkg contents -r -H -o fmri -t depend -a type=group solaris-small-server`` for the `solaris-small-server` group package.

- `pkg list -as `pkg contents -r -H -o fmri -t depend -a type=group solaris-minimal-server`` for the `solaris-minimal-server` group package.

- `pkg list -as `pkg contents -r -H -o fmri -t depend -a type=require solaris-minimal-server`` for the `solaris-minimal-server` group package.

- `pkg list -as `pkg contents -r -H -o fmri -t depend -a type=group solaris-desktop`` for the `solaris-desktop` group package.

Refer to the pkg(1) man page for more detail about how to find, install, update, and verify IPS packages.

TABLE 2   Group Packages, x86 Based Systems

Package Name	Description	solaris-large-server	solaris-small-server	solaris-minimal-server	solaris-desktop
archiver/gnu-tar	GNU version of the tar archiving utility	✓			✓
audio/audio-utilities	Audio Applications				✓
codec/flac	Free Lossless Audio Codec				✓
codec/libtheora	Theora video compression codec				✓
codec/ogg-vorbis	Ogg bitstream and Vorbis audio codec libraries				✓
codec/speex	Open Source speech codec				✓
communication/im/pidgin	GNOME multi-protocol instant messaging client				✓
compress/bzip2	high-quality block-sorting file compressor - utilities	✓	✓		✓
compress/gzip	GNU Zip (gzip)	✓	✓		✓
compress/p7zip	The p7zip compression and archiving utility	✓	✓		✓
compress/pbzip2	parallel implementation of bzip2	✓	✓		✓
compress/pixz	parallel indexing version of XZ	✓	✓		✓
compress/unzip	Info-Zip (unzip)	✓	✓		✓
compress/xz	XZ Utils - loss-less file compression application and library.	✓	✓		✓
compress/zip	Info-Zip (zip)	✓	✓		✓
crypto/gnupg	GNU Privacy Guard				✓
crypto/pwgen	Easy to memorize password generator	✓			✓
desktop/administration/gparted	GNOME Partition Editor				✓
desktop/administration/nwam-manager	Network Auto-Magic User Interface				✓
desktop/archive-manager/file-roller	GNOME archive manager				✓
desktop/calculator/gcalctool	GNOME calculator utility				✓
desktop/cd-burning/brasero	Gnome CD/DVD burner				✓
desktop/cd-ripping/sound-juicer	CD ripping tool				✓
desktop/character-map/gucharmap	GNOME character map utility				✓
desktop/compiz	OpenGL compositing window manager				✓

Package Name	Description	solaris-large-server	solaris-small-server	solaris-minimal-server	solaris-desktop
desktop/compiz/ccsm	ccsm settings manager for the CompizConfig system				✓
desktop/compiz/library/compizconfig-gconf	cgconf backend for CompizConfig				✓
desktop/compiz/plugin/compiz-fusion-extra	extra effects plugins for compiz				✓
desktop/compiz/plugin/compiz-fusion-main	main effects plugins for compiz				✓
desktop/gksu	Gksu CLI and libraries				✓
desktop/pdf-viewer/evince	GNOME PDF document viewer				✓
desktop/remote-desktop/tigervnc	TigerVNC client				✓
desktop/system-monitor/gnome-system-monitor	GNOME system monitor				✓
desktop/time-slider	Time Slider ZFS snapshot management for GNOME				✓
desktop/window-manager/twm	twm - Tab Window Manager for the X Window System				✓
desktop/xdg/menu-editor/alacarte	Simple menu editor for GNOME				✓
desktop/xdg/xdg-user-dirs-gtk	GTK Frontend for handling user directories				✓
desktop/xdg/xdg-utils	The Portland Project's desktop integration tools				✓
desktop/xscreensaver	XScreenSaver - Screen Saver/ Locker for the X Window System				✓
developer/assembler	Converts assembler source code to object code.	✓			
developer/build/gnu-make	A utility for directing compilation.	✓			✓
developer/build/make	A utility for managing compilations.	✓			✓
developer/debug/mdb	Modular Debugger (MDB)	✓	✓	✓	✓
developer/gnome/gnome-doc-utils	GNOME documentation utilities				✓
diagnostic/acpidump	acpidump - utilities used to display ACPI tables	✓	✓		✓
diagnostic/cpu-counters	CPU Performance Counter libraries and utilities	✓	✓		✓
diagnostic/ddu	Graphical Device Driver Utility				✓
diagnostic/ddu/text	Text-based Device Driver Utility	✓			✓
diagnostic/latencytop	LatencyTOP resource contention diagnostic tool	✓	✓		✓

Package Name	Description	solaris-large-server	solaris-small-server	solaris-minimal-server	solaris-desktop
diagnostic/numatop	NumaTOP NUMA performance observation tool	✓	✓		✓
diagnostic/powertop	PowerTOP system power management observability tool	✓	✓		✓
diagnostic/scanpci	scanpci and libpciaccess - generic PCI access software	✓	✓		✓
diagnostic/snoop	snoop command	✓	✓		✓
diagnostic/spray	spray client	✓			✓
diagnostic/tcpdump	network traffic sniffer	✓	✓		✓
diagnostic/top	provides a rolling display of top cpu using processes	✓			✓
diagnostic/wireshark/tshark	Command-line network protocol analyzer	✓	✓		✓
diagnostic/xload	xload - system load average display for X				✓
documentation/gnome/gnome-user-docs	GNOME user documentation				✓
driver/audio/audio-usb	USB audio drivers				✓
driver/audio/audio810	Intel(R) ICH, NVIDIA nForce, AMD-8111 audio driver				✓
driver/audio/audiocmi	C-Media 8738 family audio driver				✓
driver/audio/audioemu10k	Creative EMU10K audio driver				✓
driver/audio/audiohd	Intel(R) High Definition audio driver				✓
driver/audio/audioixp	ATI IXP audio driver				✓
driver/audio/audiols	Creative Audigy LS audio driver				✓
driver/audio/audiop16x	Creative P16X audio driver				✓
driver/audio/audiosolo	ESS Solo-1 audio driver				✓
driver/audio/audiovia823x	VIA VT823x audio driver				✓
driver/graphics/agpgart	AGP GART driver				✓
driver/graphics/atiatom	ATI framebuffer driver				✓
driver/graphics/drm	DRM Kernel Drivers				✓
driver/graphics/nvidia	NVIDIA Graphics System Software				✓
driver/graphics/usbvc	USB video class driver				✓
driver/ieee-1394/av1394	IEEE 1394 AV driver				✓

Package Name	Description	solaris-large-server	solaris-small-server	solaris-minimal-server	solaris-desktop
driver/ieee-1394/dcam1394	IEEE 1394 video conferencing class driver				✓
driver/network/ethernet/dmfe	Davicom DM9102A NIC Driver	✓	✓		✓
driver/network/ethernet/hme	SunSwift Adapter Drivers (fas, hme)	✓	✓		✓
driver/network/wlan/arn	Atheros AR928X Wireless NIC driver	✓	✓		✓
driver/network/wlan/ath	Atheros AR521X Wireless NIC Driver	✓	✓		✓
driver/network/wlan/atu	Atmel AT76C50x USB Wireless NIC Driver	✓	✓		✓
driver/network/wlan/ipw	Intel(R) PRO/Wireless 2100B Wireless NIC Driver	✓	✓		✓
driver/network/wlan/iwh	Intel(R) WiFi Link 5100/5300 Wireless NIC Driver	✓	✓		✓
driver/network/wlan/iwi	Intel(R) PRO/Wireless 2200BG/2915ABG Wireless NIC Driver	✓	✓		✓
driver/network/wlan/iwk	Intel(R) WiFi Link 4965AGN Wireless NIC Driver	✓	✓		✓
driver/network/wlan/iwp	Intel(R) WiFi Link 1000/2000/6000/7000 series Wireless NIC driver	✓	✓		✓
driver/network/wlan/mwl	Marvell 88W8363 Wireless NIC Driver	✓	✓		✓
driver/network/wlan/pcan	Cisco Aironet Wireless NIC Driver	✓	✓		✓
driver/network/wlan/pcwl	Lucent and PRISM-II Wireless NIC driver	✓	✓		✓
driver/network/wlan/ral	Ralink RT2500 Wireless NIC Driver	✓	✓		✓
driver/network/wlan/rtw	Realtek 8180L Wireless NIC Driver	✓	✓		✓
driver/network/wlan/rum	Ralink RT2501/RT2601/ RT73USB Wireless NIC Driver	✓	✓		✓
driver/network/wlan/rwd	Ralink RT2561/RT2561S/ RT2661 Wireless NIC Driver	✓	✓		✓
driver/network/wlan/rwn	Ralink RT2700/2800 Wireless NIC Driver	✓	✓		✓
driver/network/wlan/uath	Atheros AR5523 USB Wireless NIC Driver	✓	✓		✓

Package Name	Description	solaris-large-server	solaris-small-server	solaris-minimal-server	solaris-desktop
driver/network/wlan/ural	Ralink RT2500USB USB Wireless NIC Driver	✓	✓		✓
driver/network/wlan/urtw	Realtek RTL8187L/B USB wireless NIC driver	✓	✓		✓
driver/network/wlan/wpi	Intel(R) PRO/Wireless 3945ABG driver	✓	✓		✓
driver/network/wlan/zyd	ZyDAS ZD1211/B USB wireless NIC driver	✓	✓		✓
driver/storage/glm	LSI 53C family host bus adapter driver	✓	✓		✓
driver/x11/winlock	X Windows System window driver				✓
driver/x11/xsvc	Sun Xserver pseudo driver				✓
editor/gedit	GNOME text editor				✓
editor/gedit/gedit-plugins	A collection of plugins for gedit				✓
editor/gvim	Vi IMproved (GUI)				✓
editor/nano	A small text editor	✓			✓
editor/vim	Vi IMproved	✓			✓
editor/vim/vim-core	Vi IMproved (core executables)		✓	✓	
file/filesync	filesync command	✓			✓
file/gnu-coreutils	GNU Core Utilities	✓			✓
file/gnu-findutils	GNU findutils	✓			✓
file/mlocate	Merging fast file location utility	✓			✓
gnome/accessibility/orca	Orca screen reader/magnifier				✓
gnome/applet/gnome-applets	GNOME panel applets				✓
gnome/applet/gnome-fun-applets	GNOME panel applets - amusements				✓
gnome/applet/gnome-internet-applets	GNOME panel applets - internet				✓
gnome/applet/gnome-intranet-applets	GNOME panel applets - intranet				✓
gnome/applet/gnome-mm-applets	GNOME panel applets - multimedia				✓
gnome/applet/gnome-utility-applets	GNOME panel applets - utility				✓
gnome/disk-analyzer/baobab	GNOME disk usage analyzer				✓
gnome/file-manager/nautilus	GNOME file manager				✓
gnome/ggv	GNOME PostScript document viewer (Obsolete)				✓

Package Name	Description	solaris-large-server	solaris-small-server	solaris-minimal-server	solaris-desktop
gnome/gnome-audio	GNOME audio support framework				✓
gnome/gnome-camera	GNOME digital camera tool				✓
gnome/gnome-dictionary	GNOME dictionary tool				✓
gnome/gnome-keyring	GNOME keyring libraries				✓
gnome/gnome-log-viewer	GNOME log viewer				✓
gnome/gnome-panel	GNOME panel and support libraries				✓
gnome/gnome-power-manager	GNOME Power Manager utilities for desktop users				✓
gnome/gnome-remote-desktop	GNOME remote desktop				✓
gnome/gnome-screenshot	GNOME screenshot tool				✓
gnome/gnome-search-tool	GNOME file search tool				✓
gnome/gnome-session	GNOME session manager				✓
gnome/help-viewer/yelp	GNOME help system				✓
gnome/media/gnome-media	GNOME media components				✓
gnome/media/gnome-media-player	GNOME media player				✓
gnome/preferences/control-center	GNOME desktop wide preference configuration tools				✓
gnome/speech/gnome-speech	GNOME text-to-speech engine				✓
gnome/speech/gnome-speech/driver/gnome-speech-espeak	GNOME text-to-speech engine - eSpeak Synthesis Driver				✓
gnome/theme/background/os-backgrounds	Selection of OpenSolaris backgrounds for the GNOME desktop				✓
gnome/theme/background/os-backgrounds-extra	Selection of OpenSolaris backgrounds for the GNOME desktop - extra backgrounds				✓
gnome/theme/gnome-icon-theme	GNOME Icon Themes				✓
gnome/theme/gnome-themes	Gnome themes				✓
gnome/theme/gtk2-engines	Engines for GTK2 Themes				✓
gnome/theme/hicolor-icon-theme	GNOME Hi Color Icon Theme				✓
gnome/theme/nimbus	Engine for Sun Nimbus GTK2 Theme				✓
gnome/theme/nimbus-hires	GNOME themes - high resolution icons				✓
gnome/theme/sound/xdg-sound-theme	XDG FreeDesktop Sound Theme				✓

Package Name	Description	solaris-large-server	solaris-small-server	solaris-minimal-server	solaris-desktop
gnome/theme/tango-icon-theme	Tango icon theme				✓
gnome/window-manager/metacity	GNOME window manager				✓
gnome/zenity	GNOME graphical dialog box generator				✓
group/system/management/rad/rad-server-interfaces	RAD server modules group package	✓	✓		✓
group/system/solaris-core-platform	Oracle Solaris Core Platform	✓	✓	✓	✓
image/dcraw	dcraw - Decoding RAW digital photos				✓
image/imagemagick	ImageMagick - Image Manipulation Utilities and Libraries				✓
image/viewer/eog	GNOME image viewer				✓
install/installadm	installadm utility	✓			
install/js2ai	JumpStart to AI utility	✓			
library/accessibility/brltty	Braille support				✓
library/demo/audio-samples	Audio Sample Sound Files				✓
library/desktop/gtk2/gtk-backend-cups	GTK+ - GIMP toolkit libraries - CUPS Print Backend				✓
library/desktop/search/tracker	Desktop search tool				✓
library/gnome/gnome-keyring	GNOME keyring libraries				✓
library/gnome/gvfs	GNOME virtual file system framework				✓
library/libproxy/libproxy-gnome	Plugin of libproxy to get proxy information set by GConf				✓
library/myspell/dictionary/de	Myspell and Hunspell spell dictionary files for German				✓
library/myspell/dictionary/en	Myspell and Hunspell spell dictionary files for English				✓
library/myspell/dictionary/es	Myspell and Hunspell spell dictionary files for Spanish				✓
library/myspell/dictionary/fr	Myspell and Hunspell spell dictionary files for French				✓
library/myspell/dictionary/it	Myspell and Hunspell spell dictionary files for Italian				✓
library/myspell/dictionary/pt_br	Myspell and Hunspell spell dictionary files for Brazilian Portugese				✓

Package Name	Description	solaris-large-server	solaris-small-server	solaris-minimal-server	solaris-desktop
library/python/coherence-27	DLNA/UPnP framework for the digital living				✓
mail/thunderbird	Mozilla Thunderbird Email/Newsgroup Client				✓
mail/thunderbird/plugin/thunderbird-lightning	Mozilla Thunderbird Email/Newsgroup Client - Calendar				✓
media/cdrtools	CD/DVD/BluRay command line recording software	✓	✓		✓
media/cdrw	Utility for writing to CD-R/RW and DVD{+-}R/RW disks	✓			✓
media/dvd+rw-tools	Toolchain to master DVD+RW/+R media	✓			✓
media/xorriso	GNU xorriso	✓	✓		✓
naming/ldap	LDAP Utilities	✓	✓		✓
network/dns/bind	BIND DNS tools	✓	✓		✓
network/finger	finger command	✓			✓
network/ftp	FTP client command	✓			✓
network/ftp/ncftp	NcFTP - client application implementing FTP	✓			✓
network/ipfilter	Solaris IP Filter	✓	✓		✓
network/legacy-remote-utilities	Legacy remote network client commands	✓			✓
network/netcat	Netcat command	✓			✓
network/open-fabrics	Oracle Solaris OpenFabrics userland libraries and applications	✓	✓		
network/ping	Ping command	✓	✓	✓	✓
network/rsync	fast incremental file transfer utility	✓	✓		✓
network/ssh	Secure Shell (SSH) protocol server, client and associated utilities	✓	✓		✓
network/talk	Talk client command	✓			✓
network/telnet	Telnet client command	✓			✓
network/whois	whois command	✓			✓
package/pkg	Image Packaging System	✓	✓	✓	✓
package/pkg/depot	IPS Depot	✓			

Package Name	Description	solaris-large-server	solaris-small-server	solaris-minimal-server	solaris-desktop
package/pkg/package-manager	GUI for Image Packaging System				✓
package/pkg/update-manager	Update Manager for Image Packaging System				✓
package/rpm	Utilities for processing RPM archives	✓			✓
package/svr4	System V Release 4 packaging commands	✓			✓
print/cups	Common Unix Print System (CUPS)	✓			✓
print/cups/filter/foomatic-db	Foomatic database of PostScript Printer Definition files	✓			✓
print/cups/filter/foomatic-db-engine	Foomatic Database Engine	✓			✓
print/cups/hal-cups-utils	Automatic queue creation for CUPS	✓			✓
print/cups/system-config-printer	Print Manager for CUPS				✓
print/filter/a2ps	GNU a2ps - 'Anything to PostScript' converter and pretty printer	✓			✓
print/filter/ghostscript	GPL Ghostscript				✓
print/filter/ghostscript/fonts/gnu-gs-fonts-other	GNU Ghostscript Fonts (Other)				✓
print/filter/ghostscript/fonts/gnu-gs-fonts-std	GNU Ghostscript Fonts (Standard)				✓
print/filter/gutenprint	Gutenprint - Drivers for Canon, Epson, Lexmark & PCL printers				✓
print/filter/hplip	hpijs - HP InkJet Server	✓			✓
print/lp/filter/foomatic-rip	foomatic-filters - Foomatic Print Filters	✓			✓
print/mp	MP Print Filter				✓
print/psutils	PostScript utilities	✓			✓
release/name	Solaris Naming Enabler	✓	✓	✓	✓
release/notices	Oracle Solaris notices	✓	✓	✓	✓
release/os-welcome	Oracle Solaris Welcome Pack				✓
release/registration	Solaris Service Tag creation	✓	✓		✓
runtime/java/jre-8	Java Platform Standard Edition Runtime Environment	✓	✓		✓
security/bart	Basic Audit Reporting Tool (BART)	✓			✓

Package Name	Description	solaris-large-server	solaris-small-server	solaris-minimal-server	solaris-desktop
security/compliance	Compliance Command and Framework	✓	✓		
security/nss-utilities	Network Security Services Utilities	✓	✓		✓
security/sudo	sudo - tool to allow certain tasks to be run as root by ordinary users	✓	✓		✓
security/tcp-wrapper	TCP Wrapper	✓	✓		✓
service/diagnostic/spray	spray server	✓			✓
service/file-system/nfs	NFS server	✓	✓		✓
service/file-system/smb	SMB/CIFS server libraries and commands	✓			
service/gnome/desktop-cache	desktop-cache is a set of SMF services used to update the various GNOME desktop caches.				✓
service/network/comsat	Comsat (biff) service	✓			✓
service/network/dhcp/isc-dhcp	ISC DHCP Server and Relay Agent.	✓			
service/network/dns/bind	BIND DNS name server and configuration tools.	✓	✓		✓
service/network/dns/mdns	Multicast DNS and Service Discovery	✓			✓
service/network/finger	finger daemon	✓			✓
service/network/ftp	FTP Server and Utilities	✓			✓
service/network/legacy-network-services	Common network services: time, daytime, echo, discard, chargen	✓			
service/network/legacy-remote-utilities	Legacy remote network server commands	✓			✓
service/network/load-balancer/ilb	IP layer 3/4 load balancer	✓			✓
service/network/ntp	Network Time Protocol Daemon v4	✓			✓
service/network/slp	Service Location Protocol (SLP) framework	✓			✓
service/network/smtp/sendmail	Sendmail utilities	✓	✓		✓
service/network/ssh-common	Secure Shell (SSH) service and configuration files	✓	✓	✓	✓
service/network/talk	Talk service	✓			✓
service/network/telnet	Telnet service	✓			✓

Package Name	Description	solaris-large-server	solaris-small-server	solaris-minimal-server	solaris-desktop
service/network/tftp	Trivial File Transfer (TFTP) service	✓			
service/network/wpa	Wireless networking WPA supplicant	✓	✓		✓
service/postrun	Delayed execution environment for procedural package scripts				✓
service/security/gss	GSSAPI CONFIG V2	✓	✓		✓
service/security/kerberos-5	Kerberos V5 support	✓	✓		✓
service/storage/rmt	rmt command	✓			✓
shell/bash	GNU Bourne-Again shell (bash)	✓	✓	✓	✓
shell/expect	expect - Programmed dialogue with other interactive programs	✓			✓
shell/gnu-getopt	parse command-line arguments from shell scripts	✓			✓
shell/ksh93	Ksh93 - The AT&T Korn Shell	✓	✓	✓	✓
shell/pipe-viewer	Pipe Viewer	✓			✓
shell/tcsh	Tenex C-shell (tcsh)	✓		✓	✓
shell/which	GNU which	✓			✓
shell/zsh	Z Shell (zsh)	✓		✓	✓
source/security/tcp-wrapper	Source for TCP Wrapper	✓	✓		✓
support/explorer	Oracle RDA/Explorer Data Collector	✓	✓		✓
system/accounting/legacy-accounting	System Accounting	✓			✓
system/boot-environment-utilities	Boot environment management tool	✓	✓		✓
system/boot/grub	GNU GRUB 2 - GNU GRand Unified Boot loader	✓	✓		✓
system/boot/wanboot	WAN boot support	✓			
system/core-os	Core Solaris	✓	✓	✓	✓
system/data/terminfo	Terminal Information	✓			✓
system/data/terminfo/terminfo-core	Core Terminal Information	✓	✓		✓
system/data/timezone	Timezone Definition	✓	✓		✓
system/device-administration	Kernel driver administration	✓	✓		✓
system/display-manager/desktop-startup	Desktop startup scripts in xinitrc.d				✓
system/display-manager/gdm	GNOME display manager				✓
system/dtrace	DTrace Clients	✓	✓		✓

Package Name	Description	solaris-large-server	solaris-small-server	solaris-minimal-server	solaris-desktop
system/dtrace/dtrace-toolkit	DTraceToolkit 0.99	✓	✓		✓
system/dynamic-reconfiguration	Dynamic reconfiguration and hotplug	✓			
system/fault-management	Fault Management Architecture (FMA)	✓	✓		✓
system/fault-management/asr-notify	Auto Service Request Notification for FMA Events	✓	✓		✓
system/fault-management/smtp-notify	Email Notification Daemon for System Events	✓	✓		✓
system/fault-management/snmp-notify	SNMP Notification Daemon for System Events	✓			✓
system/file-system/autofs	AutoFS file system	✓	✓		✓
system/file-system/hsfs	High Sierra/ISO 9660 file system	✓	✓		✓
system/file-system/nfs	NFS client file system	✓	✓		✓
system/file-system/ntfsprogs	ntfsprogs NTFS utilities				✓
system/file-system/pcfs	FAT (DOS) PC file system	✓	✓		✓
system/file-system/smb	SMB/CIFS client file system				✓
system/file-system/udfs	UDFS file system	✓	✓		✓
system/file-system/ufs	UFS file system	✓	✓		✓
system/file-system/uvfs	User Virtual File System (UVFS) libraries and commands	✓	✓		✓
system/file-system/zfs	ZFS file system	✓	✓		✓
system/firmware-utilities	Sun firmware flash update tool (fwflash)	✓	✓		✓
system/font/truetype/arphic-uming	Chinese TrueType font				✓
system/font/truetype/dejavu	DejaVu fonts				✓
system/font/truetype/hanyang-ko-core	HanYang Korean TrueType core fonts				✓
system/font/truetype/ipafont	IPA Font Gothic				✓
system/font/truetype/liberation	Liberation fonts				✓
system/font/truetype/lohit	Lohit Indic fonts				✓
system/font/xorg/iso8859-1	X.Org Foundation X11 iso8859-1 bitmap fonts				✓
system/font/xorg/xorg-core	X.Org Foundation X11 core fonts				✓
system/fru-id	Field-Replaceable Unit (FRU) ID utilities and libraries	✓			✓

Package Name	Description	solaris-large-server	solaris-small-server	solaris-minimal-server	solaris-desktop
system/hal	Hardware Abstraction Layer (HAL) service and API	✓			✓
system/input-method/ibus	IBus - Intelligent Input Bus				✓
system/input-method/ibus/anthy	IBus Japanese IME - anthy				✓
system/input-method/ibus/chewing	IBus Chinese IME - chewing				✓
system/input-method/ibus/hangul	IBus Korean IME - hangul				✓
system/input-method/ibus/ibus-m17n	IBus Multilingual IME - m17n				✓
system/input-method/ibus/sayura	The Sinhala engine for IBus input platform				✓
system/input-method/ibus/sunpinyin	IBus Chinese IME - SunPinyin				✓
system/input-method/ibus/xkbc	IBus Keyboard layout emulation IME - xkbc				✓
system/input-method/imf-startup	Input Method Framework startup				✓
system/install/configuration	Core System Configuration Components	✓	✓		✓
system/install/locale	Localization for system install libraries and commands	✓	✓		✓
system/install/tests	Solaris install test utilities	✓			✓
system/io/audio	Core audio device drivers and configuration utility				✓
system/io/fc/fc-fabric	Fibre Channel fabric device node management plug-in	✓	✓		✓
system/kernel/cpu-counters	Kernel support for CPU Performance Counters	✓	✓		✓
system/kernel/dynamic-reconfiguration/i86pc	Dynamic Reconfiguration Modules for i86pc	✓			
system/kernel/power	System power management support	✓	✓		✓
system/kernel/suspend-resume	System suspend and resume support	✓	✓		✓
system/keyboard/kbd_mode	kbd_mode - change the keyboard translation mode				✓
system/keyboard/keyboard-utilities	Keyboard utilities	✓	✓		✓
system/library/iconv/unicode-core	Core iconv modules for Unicode	✓			
system/library/iconv/utf-8	Iconv modules for UTF-8 locales	✓	✓		✓
system/library/platform	Core Architecture, (Kvm)	✓	✓	✓	✓
system/linker	Core linking support	✓	✓		✓

Package Name	Description	solaris-large-server	solaris-small-server	solaris-minimal-server	solaris-desktop
system/locale	language support components	✓	✓		✓
system/locale/support	Language Support cluster				✓
system/management/biosconfig	Oracle Hardware Management Pack - biosconfig	✓	✓		
system/management/fwupdate	Oracle Hardware Management Pack - fwupdate	✓	✓		✓
system/management/hmp-snmp	Oracle Hardware Management Pack - SNMP plugins	✓			
system/management/hwmgmtcli	Oracle Hardware Management Pack - hwmgmtcli	✓	✓		
system/management/hwmgmtd	Oracle Hardware Management Pack - Hardware Agent	✓			
system/management/ilomconfig	ILOM Configuration Utility	✓	✓		✓
system/management/ipmitool	ipmitool - utility for controlling IPMI-enabled devices	✓	✓		✓
system/management/ocm	Oracle Configuration Manager (OCM)	✓	✓		✓
system/management/rad	RAD - Remote Administration Daemon	✓	✓		✓
system/management/rad/client/rad-java	RAD Java client libraries	✓	✓		✓
system/management/rad/client/rad-python	RAD Python client modules	✓	✓		✓
system/management/raidconfig	Oracle Hardware Management Pack - raidconfig	✓	✓		✓
system/management/snmp/net-snmp	Net-SNMP Agent files and libraries	✓			✓
system/management/snmp/net-snmp/addons	Net-SNMP addon libraries	✓			✓
system/management/snmp/net-snmp/documentation	Net-SNMP Agent man pages and html documentation files	✓			✓
system/management/ubiosconfig	Oracle Hardware Management Pack - ubiosconfig	✓	✓		
system/management/visual-panels-core	Visual Panels framework				✓
system/management/visual-panels/panel-apache	Apache Web Server Administration GUI				✓
system/management/visual-panels/panel-coreadm	Core Files Administration GUI				✓
system/management/visual-panels/panel-firewall	Service Firewall Administration GUI				✓
system/management/visual-panels/panel-smf	SMF Service Administration GUI				✓

Package Name	Description	solaris-large-server	solaris-small-server	solaris-minimal-server	solaris-desktop
system/management/visual-panels/panel-sysmon	System Monitor GUI				✓
system/management/visual-panels/panel-time	Time Settings GUI				✓
system/management/visual-panels/panel-usermgr	User Manager GUI				✓
system/management/visual-panels/panel-zconsole	Zone Console Panel				✓
system/manual	On-Line Manual Pages	✓	✓		✓
system/manual/locale	Localized On-Line Manual Pages	✓	✓		✓
system/network	Core Network Infrastructure	✓	✓	✓	✓
system/network/avahi	Avahi client and bridge to SUNWdsd				✓
system/network/bpf	Berkeley Packet Filter	✓	✓		✓
system/network/ike	Internet Key Exchange (IKE) services	✓	✓		✓
system/network/nis	Network Information System (NIS)	✓	✓		✓
system/network/ppp	Solaris PPP 4.0	✓			✓
system/network/ppp/pppdump	GNU utilities for Solaris PPP 4.0	✓			✓
system/network/ppp/tunnel	PPP Tunneling, PPPoE	✓			✓
system/network/routing	Network routing daemons/commands	✓	✓		✓
system/picl	Platform Information and Control Library (PICL) framework	✓	✓		✓
system/prerequisite/gnu	GNU prerequisites	✓	✓		✓
system/resource-mgmt/dynamic-resource-pools	Dynamic resource pools	✓	✓		✓
system/resource-mgmt/resource-caps	Solaris Resource Capping Daemon	✓	✓		✓
system/resource-mgmt/resource-pools	Resource pools	✓	✓		✓
system/storage/fc-utilities	Fibre Channel Utilities	✓	✓		✓
system/storage/media-volume-manager	Removable volume manager	✓			✓
system/storage/multipath-utilities	Solaris Multipathing CLI	✓	✓		✓
system/storage/nvme-utilities	NVMExpress(nvme) utility	✓	✓		✓
system/storage/parted	GNU Parted - Partition Editor				✓
system/storage/raid-utilities	RAID hardware utility	✓	✓		✓

Package Name	Description	solaris-large-server	solaris-small-server	solaris-minimal-server	solaris-desktop
system/storage/removable-media	Storage media management library	✓			✓
system/storage/sas-utilities	Serial Attached SCSI (SAS) utility	✓	✓		✓
system/system-events	System event daemon	✓	✓		✓
system/virtual-console	Virtual Consoles	✓	✓		✓
system/xopen/xcu4	XCU4 Utilities	✓			✓
system/xopen/xcu6	XCU6 Utilities	✓			✓
system/zones	Solaris Zones configuration and administration	✓	✓		✓
system/zones/brand/brand-solaris	Solaris Zones: solaris branded zone	✓	✓		✓
system/zones/brand/brand-solaris-kz	Solaris Kernel Zones (solaris-kz branded zones)	✓	✓		✓
system/zones/brand/brand-solaris10	Solaris 10 Zones (solaris10 branded zones)	✓			✓
terminal/fbconsole	fbconsole - fallback console				✓
terminal/gnome-terminal	GNOME terminal emulator				✓
terminal/luit	luit - Locale and ISO 2022 support for Unicode terminals	✓	✓		✓
terminal/resize	resize - adjust terminal settings to current window size	✓	✓		✓
terminal/screen	GNU Screen	✓			✓
terminal/xterm	xterm - terminal emulator for X				✓
text/doctools	Documentation Tools	✓	✓		✓
text/doctools/ja	Japanese Documentation Tools for manual pages	✓	✓		✓
text/gawk	GNU awk	✓			✓
text/gnu-diffutils	GNU diffutils	✓			✓
text/gnu-grep	GNU grep utilities	✓			✓
text/gnu-patch	The GNU Patch utility	✓			✓
text/gnu-sed	gsed - GNU implementation of sed, the Unix stream editor	✓			✓
text/groff	GNU troff Text Formatting	✓			✓
text/less	pager program similar to more	✓	✓		✓
text/spelling-utilities	Spell checking support	✓	✓		✓

Package Name	Description	solaris-large-server	solaris-small-server	solaris-minimal-server	solaris-desktop
text/texinfo	Documentation system for on-line information and printed output	✓			✓
web/browser/firefox	Mozilla Firefox Web browser				✓
web/browser/firefox/plugin/firefox-java	Java runtime integration - plugin				✓
web/browser/w3m	A text-based web browser				✓
web/data/firefox-bookmarks	Firefox's default bookmark				✓
web/wget	wget - GNU wget	✓	✓		✓
x11/colormap-utilities	X Colormap Utilities				✓
x11/data/workspace-patterns	Bitmap patterns for workspace backgrounds				✓
x11/data/xbitmaps	X Window System standard bitmaps				✓
x11/data/xcursor-themes	X.Org default X11 cursor themes				✓
x11/demo	X Window System demo programs				✓
x11/demo/mesa-demos	Mesa sample GLX clients				✓
x11/diagnostic/x11-info-clients	X Window System diagnostic and information display clients				✓
x11/diagnostic/xev	xev - X11 event monitor				✓
x11/diagnostic/xscope	xscope - X Window Protocol Viewer				✓
x11/documentation/xorg-docs	X Window System common documentation				✓
x11/font-utilities	X Window System font utilities				✓
x11/keyboard/data-xkb	X.Org Foundation Xserver keyboard layouts				✓
x11/keyboard/xkb-utilities	X Window System X Keyboard Extension (XKB) Utilities				✓
x11/keyboard/xkbcomp	X Keyboard Extension data compiler				✓
x11/server/xephyr	Xephyr - X server displaying to a window on a pre-existing X display				✓
x11/server/xorg	Xorg - X11R7 X server				✓
x11/server/xorg/driver/xorg-input-acecad	xf86-input-acecad - Acecad Flair tablet input driver for the Xorg X server				✓

Package Name	Description	solaris-large-server	solaris-small-server	solaris-minimal-server	solaris-desktop
x11/server/xorg/driver/xorg-input-hotkey	xf86-input-hotkey - ACPI hotkey input driver for the Xorg server				✓
x11/server/xorg/driver/xorg-input-keyboard	xf86-input-kbd - Keyboard input driver for the Xorg X server				✓
x11/server/xorg/driver/xorg-input-mouse	xf86-input-mouse - Mouse input driver for the Xorg X server				✓
x11/server/xorg/driver/xorg-input-synaptics	xf86-input-synaptics - Synaptics touchpad driver for X.Org				✓
x11/server/xorg/driver/xorg-input-vmmouse	xf86-input-vmmouse - VMWare guest mouse input driver for the Xorg X server				✓
x11/server/xorg/driver/xorg-input-void	xf86-input-void - null input driver for Xorg server				✓
x11/server/xorg/driver/xorg-video	Xorg server video drivers group				✓
x11/server/xvnc	TigerVNC X11/VNC server				✓
x11/session/sessreg	sessreg - X session utmp/wtmp registration				✓
x11/session/smproxy	smproxy - X Session Manager Proxy				✓
x11/session/winsysck	winsysck - check which window system protocols are available				✓
x11/session/xauth	xauth - X authority file utility				✓
x11/session/xinit	xinit & startx - X Window System manual session startup				✓
x11/x11-server-utilities	X11 server state utilities				✓
x11/x11-window-dump	X11 Window Dump (screenshot) utilities				✓
x11/xcalc	xcalc - scientific calculator for X				✓
x11/xclipboard	xclipboard & xcutsel tools for clipboard management				✓
x11/xfd	xfd - display all the characters in an X font				✓
x11/xfontsel	xfontsel - point and click selection of X11 font names				✓
x11/xfs	xfs - X Font Server				✓
x11/xfs/xfs-utilities	X Font Server utilities				✓
x11/xkill	xkill - utility to forcibly close X11 clients				✓
x11/xlock	xlock - X display screen lock				✓

Package Name	Description	solaris-large-server	solaris-small-server	solaris-minimal-server	solaris-desktop
x11/xmag	xmag - magnify parts of the screen				✓
x11/xvidtune	xvidtune - video mode tuner for Xorg servers				✓