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> ⓘ **NOTE:**
> This is a **DRAFT** document which may contain errors!
> Help us improve and expand this site.
> Please see the **Contrib** section for more details about joining the OpenIndiana Documentation Team.

< place holder for introduction content >

1 Glossary

Term	Definition
Boomer	The code name for the audio driver framework used by OpenIndiana. Its application interface is Open Sound System (OSS) 4 compatible.
Consolidation	A collection of related software which has the scope of a project, historically developed by a dedicated team. OpenIndiana is composed of many consolidations.
g11n	Internationalization and localization consolidation.
illumos	A community maintained derivative of the OpenSolaris OS/NET (ON) source which contains core operating system components, including the kernel, drivers, and basic userland.
oi-userland	A new OpenIndiana consolidation which pulls together many of the old legacy consolidations. This new consolidation greatly simplifies the development of OpenIndiana.
SFE	Spec Files Extra - External 3rd party IPS repository
XNV	The X-Windows consolidation.

2 Finding Help and Support

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2.1 Local system command line help

- apropos - search the manual page names and descriptions
- Used to find keywords in man pages
- find - search for files in a directory hierarchy
- info - read Info documents

- A viewer for GNU info pages
- locate - find files by name
- Uses the mlocate database to find files and folders
- man - an interface to the on-line reference manuals (man pages)
- To pipe the output of a man page to a text file use the command: `man [manpage] | col -x -b > [filename].txt`.
- For example: `man pkg | col -x -b > pkg.txt`

3 IPS Command Matrix

Task	IPS Command	apt Equivalent
Install a package	`pkg install`	`apt install`
Uninstall a package	`pkg uninstall`	`apt remove`
Update all packages	`pkg update`	`apt upgrade`
Search for a package	`pkg search`	`apt search`
Display installed packages	`pkg list`	`apt list`
Display package information	`pkg info`	`apt show`
Display package contents	`pkg contents`	`dpkg-query -L`
Display publisher information	`pkg publisher`	`cat /etc/apt/sources.list.d/*`
Add or update a publisher	`pkg set-publisher`	edit `/etc/apt/sources.list.d/*` files
Remove a publisher	`pkg unset-publisher`	edit `/etc/apt/sources.list.d/*` files

4 Developing with OpenIndiana

> ⓘ **NOTE:**
> The book titled “Introduction to Operating Systems: A Hands-On Approach Using the OpenSolaris Project” may be a good resource for helping to complete this part of the handbook.
> Questions to ask:
> - How can OI be used as a development platform?
> - What programming tools, languages, etc., are available?
> - How can OI be used to further the development of OI itself?

5 Software Development Testing

Need to add some guidance about how to add a test repo to test specific packages, etc.