

Hipster Handbook - Appendix

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❗ **NOTE:**

This is a **DRAFT** document which may contain errors!

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

4 Developing with OpenIndiana

DOC TEAM NOTE:

The book titled “Introduction to Operating Systems: A Hands-On Approach Using the Open-Solaris 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

DOC TEAM NOTE:

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