

Hipster Handbook - Appendix

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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 | <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.