

# Common Tasks

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**ⓘ NOTE:**

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

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## 1 Basic UNIX commands

In addition to native command line system administration tools, OpenIndiana also includes the GNU core utilities suite. When working with basic UNIX commands, most likely you will be using the GNU core utilities. For learning to navigate the OpenIndiana command line environment, Linux command line books are very helpful.

One of the best books currently available is [The Linux Command Line](#) by William Shotts. If you want to quickly become a command line guru, this is the book to read. Best of all, it was released under a Creative Commons license and can be downloaded for free. Print versions are also available.

## 2 Basic system administration

### 2.1 Commands to be able to use administration commands

Command	Further details	Brief summary
su	<a href="#">su(1M)</a>	Switch user. Without any parameters, root implied
sudo	<a href="#">sudo(1M)</a>	Perform the command following with root privileges
pfexec	<a href="#">pfexec(1)</a>	Similar to sudo but not prompted for a password and limited privileges

Examples:

### 2.2 Basic system information

Command	Further details	Brief summary
prstat	<a href="#">prstat(1M)</a>	Statistics on system processes
df	<a href="#">df(1M)</a>	Disk usage by partition
du	<a href="#">du(1)</a>	Disk usage by file
pkg list	<a href="#">pkg(1)</a>	List software packages installed on the system

Examples:

## 2.3 System shutdown, reboot...

Command	Further details	Brief summary
shutdown	<a href="#">shutdown(1M)</a>	Shutdown the system

Examples:

```
shutdown -i5 -g0 -y # Turn off the machine immediately  
shutdown -i6 -g0 -y # Reboot the machine immediately  
shutdown -i6 -g120 -y # Reboot the machine in 2 minutes (120 seconds)
```

## 2.4 User management

Command	Further details	Brief summary
listusers who	<a href="#">listusers(1)</a> <a href="#">who(1)</a>	List users accounts List users logged onto the system
useradd usermod	<a href="#">useradd(1M)</a> <a href="#">usermod(1M)</a>	Create a new user Modify a user (group memberships, roles, login shell...)

# 3 Desktop applications

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## 3.1 How can the desktop be modified?

### ① NOTE:

ITEMS TO WRITE ABOUT:

- Gnome or (MATE) walkthrough
- Appearance applet
  - Enabling Compiz
  - Configuring font anti-aliasing
  - Desktop backgrounds

In regards to the default terminal emulator, see: <https://www.illumos.org/issues/7525>

- we introduce mediator x-terminal-emulator for link /usr/bin/x-terminal-emulator with possible implementations gnome-terminal, mate-terminal and xterm;
- mate-terminal implementation has the highest priority (if it is installed, by default it wins);
- glib is modified to use link /usr/bin/x-terminal-emulator if it's found for running applications with Terminal=true.

## 4 Multimedia - Audio

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## 5 Multimedia - Video

**① NOTE:**

ITEMS TO WRITE ABOUT:

- How to get OI to play a DVD
- How to get flash player installed and working.
- How to get VLC installed and working.
- Totem (video player)

### 5.1 Using OpenIndiana as a media server, HTPC, etc.

**① NOTE:**

ITEMS TO WRITE ABOUT:

- <http://forum.kodi.tv/showthread.php?tid=44315&page=2>
- <https://web.archive.org/web/20180822163548/http://lightsandshapes.com/plex-on-smartos.html>

## 6 Printing

**① NOTE:**

ITEMS TO WRITE ABOUT:

- OI uses CUPS as the primary print system.
- GNOME print manager (`system-config-printer`)

See the additional information about printing in contrib/topics.md Also see the deprecation comments in the OSOL printing guide.

## 7 Graphics workstation

**① NOTE:**

ITEMS TO WRITE ABOUT:

- GIMP

## 8 Desktop Publishing system, Etc.

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## 9 Boot loader settings

OpenIndiana Hipster uses the ‘BootForth’ boot loader (GRUB is not used any more, disregard older manusl/wiki pages that mention grub).

Boot configuration items should be stored in `/boot/conf.d`.

- To change the console from the standard monitor to serial console (e.g. `com1` / `ttyS0` on other OSes), use the following command:

```
# echo console=ttya > /boot/conf.d/console
```

(Alternatively, use `eeprom console=ttya`).

- To change the boot-loader’s default timeout, run:

```
# echo autoboot_delay=2 > /boot/conf.d/autoboot
```

NOTE: Any filename can be used under `/boot/conf.d/` - the filename does not matter (only its content matters).

See [loader\(5\)](#) for more technical details (and other boot options).