

## 2.11.2 Filesystem Hierarchy Standard (FHS) Facts

The Filesystem Hierarchy Standard (FHS) defines a consistent file system for Linux systems by defining a standard set of directories, subdirectories, and files. FHS is a subset of the Linux Standards Base (LSB), which is an organization and a set of guidelines for promoting a set of standards to increase Linux distribution compatibility.

This lesson covers the following topic:

- FHS directories

### FHS Directories

FHS defines the following directories and their contents.

Directory	Description
<b>/</b>	The <b>/</b> character represents the root directory of the Linux system. All other directories are located beneath the <b>/</b> (root directory) of the system.
<b>/bin</b>	The <b>/bin</b> directory contains binary commands that are available to all users.
<b>/boot</b>	The <b>/boot</b> directory contains the kernel and bootloader files.
<b>/dev</b>	The <b>/dev</b> directory contains device files that represent the devices used by the system, such as a hard drive, mouse, and printer.
<b>/etc</b>	The <b>/etc</b> directory contains configuration files specific to the system.
<b>/home</b>	The <b>/home</b> directory contains (by default) the user home directories.
<b>/lib</b>	The <b>/lib</b> directory contains shared program libraries and kernel modules.
<b>/media</b>	The <b>/media</b> directory is used to mount removable media, such as optical discs and USB drives.
<b>/mnt</b>	The <b>/mnt</b> directory is used for temporarily mounting remote file systems.
<b>/opt</b>	The <b>/opt</b> directory contains additional programs on the system.
<b>/proc</b>	The <b>/proc</b> directory contains information about the system state and processes.
<b>/root</b>	The <b>/root</b> directory is the root user's home directory. Do not confuse <b>/root</b> with the root of the file system ( <b>/</b> ).
<b>/sbin</b>	The <b>/sbin</b> directory contains system binary commands.

<b>/srv</b>	The <b>/srv</b> directory contains files for services such as HTTP and FTP servers.
<b>/sys</b>	The <b>/sys</b> directory contains the <i>sysfs</i> virtual file system which displays information about devices and drivers.
<b>/tmp</b>	The <b>/tmp</b> directory contains temporary files created by programs during system use.
<b>/usr</b>	The <b>/usr</b> directory contains system commands and utilities.
<b>/var</b>	<p>The <b>/var</b> directory contains data files that change constantly, such as:</p> <ul style="list-style-type: none"><li>• User mailboxes</li><li>• Print queues</li><li>• Log files</li></ul>

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