

Shell Scripting

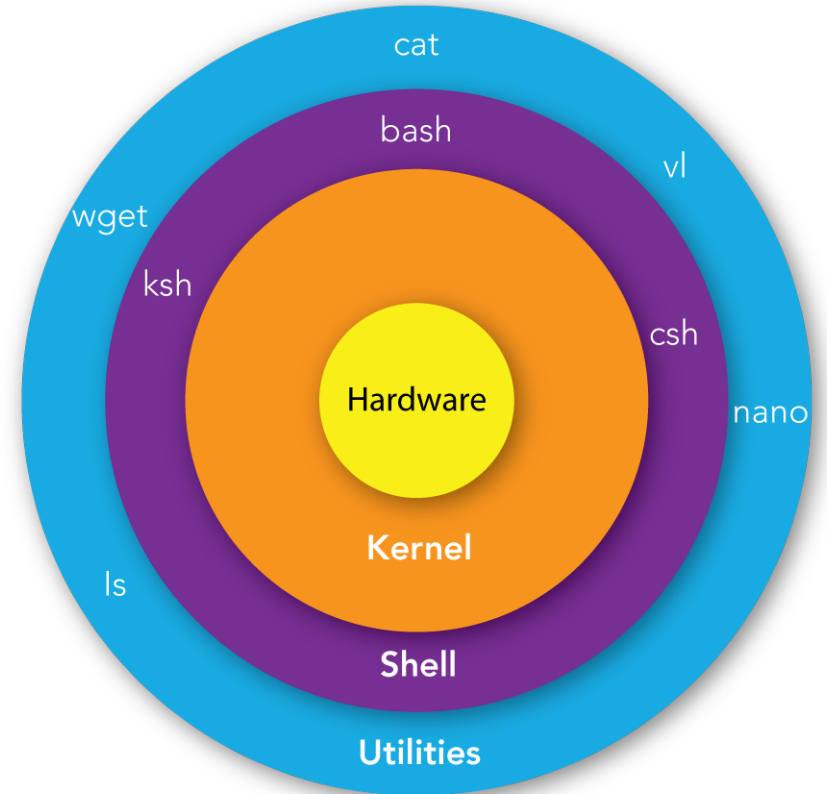
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Key Topics

- **Shell**
- **Terminal**
- **Bash**
- **Demo**

Shell

- Exposes OS services to the user
- Examples are :
zsh,ksh,csh,bash,fish
- Executes the programs on behalf of you



Terminal

- Opens a GUI window and exposes shell to the user
- Examples include Alacritty, Kitty, urxvt, xterm
- Features such as tabbed panes, custom fonts are available in Terminal Emulators

The screenshot displays the Kitty terminal emulator's configuration file, `~/.config/kitty/kitty.conf`, which is a text file containing various settings for the terminal. The file is shown in a dark-themed editor with syntax highlighting. The settings include keyboard shortcuts for window management (e.g., `ctrl+q` to quit, `ctrl+r` to search), window layout (e.g., `ctrl+o` to open a new window), and window title (e.g., `ctrl+t` to toggle tabs). The file also includes a section for the `DECTEN` property, which is used to enable the `DECTEN` feature. The bottom of the image shows the Kitty terminal's status bar, which displays the current branch (`master`), the commit hash (`7c76e90728c8e8a8e1c4b8d17422009b30d`), and the commit message (`feat: add support for the DECTEN property`).

Bash Shell

- **Bourne Again Shell**
- **Incorporates useful features from Korn Shell, C Shell etc**
- **Some Features include**
 - Interactive
 - Unlimited size command line history
 - Shell functions and Aliases

DEMO

Resources

- <https://linuxconfig.org/bash-scripting-tutorial>