

# IOS Command Hierarchy



- hostname> User Exec mode
- hostname# Privileged Exec mode ('Enable')
- hostname(config)# Global Configuration mode ('Configure Terminal')
- hostname(config-if)# Interface Configuration mode ('Interface x')
- 'Exit' drops back down a level.
- 'End' drops back to Privileged Exec mode from any level.

# Command Abbreviation



- You can type in a shortened version of a command.
- For example, 'en' instead of 'enable'
- There must be only one possible match for what you typed for abbreviation to succeed

# Context Sensitive Help



- You can enter a question mark to access Help
- 'sh?' will show all commands that begin with 'sh'
- 'show ?' will show all available keyword options for the 'show' command
- 'show ip ?' will show all available keyword options for the 'show ip' command

# Moving the Cursor



- Backspace deletes the previous character
- The arrow keys (< and >) move the cursor left and right one character at a time
- Ctrl-A moves the cursor to the beginning of the line
- Ctrl-U deletes the whole line
- See <https://www.flackbox.com/cisco-ios-cli-shortcuts> for more

# Command History



- The up and down arrows (^ and v) cycle through previously entered commands at the same level in the hierarchy.

# Showing command output



- Enter will show 'show' command output which scrolls off the end of the page line by line.
- The Spacebar will show it page by page.
- Ctrl-C will break out of the show command output and return to the command prompt.

# Piped Command Examples



- `show running-config interface FastEthernet0/0`
- `show running-config | begin FastEthernet0/0`
- `show running-config | include FastEthernet0/0`
- `show running-config | exclude FastEthernet0/0`
- `show running-config | section interface`