

| Modes | | |
|-------|------------------|----------------------|
| Level | Mode | Prompt |
| 1 | user EXEC | Switch> |
| 2 | Privileged EXEC | Switch# |
| 3 | Global Config | Switch(config)# |
| 4a | Interface Config | Switch(config-if)# |
| 4b | Line Config | Switch(config-line)# |

| Keyboard Shortcuts | |
|--------------------|--|
| Up Arrow | Automatically re-types last command |
| Ctrl+S- hift+6 | Oh crap, stop! (Cancels whatever it's currently doing) |
| Ctrl+C | Exits config mode |
| Ctrl+Z | Applies current command & returns to priv. EXEC mode |
| Ctrl+U | Erases anything on current prompt line |
| Tab | Completes abbreviated command |

| "Show" Command | |
|-----------------------------|--|
| Command | Information Displayed |
| show version | IOS version, memory capacity, etc. |
| show mac-ad dress tabl e | MAC address table |
| show ip route | routing table |
| show interface g0/0 | status, MAC, IP, etc. for GigaitEthernet 0/0 |

| "Show" Command (cont) | |
|-------------------------|---|
| show ip interface brief | name, IP, status, etc. (all interfaces) |

| General Commands | |
|------------------|------------------|
| Short Command | Complete Command |
| en | enable |

| | |
|--------|-----------------|
| conf t | config terminal |
| int | interface |

| | |
|--------|-----------------------|
| li | line |
| sh run | show runnin g-c onfig |

| | |
|--------------|--|
| cop r s | copy runnin g-c onfig startu p-c o nfig |
| no ip dom lo | no ip domain -lookup |

| | |
|----------------|------------------------|
| era star [Tab] | erase startu p-c onfig |
| del vlan.dat | delete vlan.dat |



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Published 27th January, 2023.

Last updated 27th January, 2023.

Page 1 of 2.

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Initial Configuration (Switches and Routers)

| Command | From Mode | What It Does |
|-----------------------------|------------------|---|
| hostname xyz | global config | sets hostname to xyz |
| enable secret xyz | global config | sets encrypted password for priv. EXEC to xyz |
| service password-encryption | global config | encrypts all passwords |
| line console 0 | global config | enters line mode for console |
| line vty 0 15 | global config | enters line config mode for 16 vty lines |
| password xyz | line config | sets line password to xyz |
| login | line config | enables users to login |
| int vlan 1 | global config | enters interface config mode for vlan 1 |
| ip address [IP] [Subnet] | interface config | sets IP address |
| no shut | interface config | turns on interface |
| banner motd #Text Here# | global config | sets motd banner |

Router-Specific Configuration Commands

| Command | From Mode | Function |
|-----------------------------------|------------------|---|
| interface g0/1 | global config | enters interface config for GigabitEthernet 0/1 |
| ip address IP/prefix | interface config | sets interface's IPv4 address |
| no shut | interface config | turns on the interface |
| description description text | interface config | used to document info about the interface |
| ipv6 address IP/prefix | interface config | sets interface's IPv6 address |
| ipv6 address IP/prefix link-local | interface config | sets interface's IPv6 link-local address |
| ipv6 unicast-routing | global config | enables IPv6 routing |

Other Commands

| Command | From Mode | Function |
|------------|---------------|--|
| sdm predef | global config | used if switch won't take IPv6 address |



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Published 27th January, 2023.

Last updated 27th January, 2023.

Page 2 of 2.

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