

### Remote Access Security [ssh]

S1# **show ip ssh** verifies SSH is available and displays existing setup

S1# **configure terminal** user exec mode

S1(config)# **ip domain-name ats.coop** configures DNS

S1(config)# **crypto key generate rsa** Enables SSH and generates a RSA key pair

S1(config)# **crypto key zeroize rsa** disables SSH

Cisco will prompt you for a key name **S1.ats.coop**

Cisco will prompt you for modulus size **1024** [cisco's recommended size]

S1(config)# **line vty 0 15** move into vty config for all ports

S1(config-line)# **login local** allow local logins not AAA Server \*\*

#### \*Cisco's Authentication Authorization & Accounting Server

S1(config-line)# **transport input ssh**

S1(config-line)# **user admin password H0u\$3M0u\$3** sets local admin login pw

S1(config)# **show ip ssh \*** verify ssh settings

Optional ssh config

- **ip ssh version 2**
- **ip ssh authentication-retries 5**
- **ip ssh time-out 60**
- **end**
- **show ip ssh**

### Show Commands

show version  
| IOS Version, Memory etc.

show mac address-table  
| Displays the MAC Address Table

show ip route  
| Displays the routing table

show ip interface  
show interface g0/0  
| Displays the interface status, MAC, IP, etc.

show ip interface brief

show running configuration

### Port Security

### Interface Security

### Error Messages

% Invalid input detected at '^' marker You are at the wrong level to run command

% Incomplete command

[command brings a null response] This is not a bad command, there is just no results to display

### Tips & Tricks

Your CLI command fails - are you in the right mode | level

- are you on the right device

### Other Misc Commands

mydevice (config)# **sdm pre dual def** used if switch won't take IPv6 address

? help commands

Ctrl+Shift+6 Oh crap, stop! (Cancels whatever it's currently doing)

mydevice (config)# **enable secret abc123** Sets secret password to abc123

show

## Show Commands

```
show ip interface brief
```

```
GigabitEthernet0/0 unassigned YES NVRAM administratively down  
down
```

*'Do' - in front of a command will run the command at any level i.e.*

```
mydevice (config)# do show ip interface brief -OR- mydevice
```

```
(config)# do reload
```



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