

Remote Access Security [ssh]

S1# show ip ssh	verifies SSH is running	show ip interface brief displays existing setup
S1# configure terminal	user exec mode	GigabitEthernet0/0 unassigned YES NVRAM administratively down
S1(config)# ip domain-name ats.coop	configures DNS	down
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 **	
S1(config-line)# transport input ssh	*Cisco's Authentication & Accounting Server	
S1(config-line)# user admin password H0u\$3M0u\$3	sets local admin	
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 s-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	

Show Commands

show ip interface brief	displays existing setup
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	

Port Security

config for all ports

allow local logins not AAA Server **

Interface Security

*Cisco's Authentication & Accounting Server

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+S hift+6	Oh crap, stop! (Cancels whatever it's currently doing)
mydevice (config)# enable secret abc123	Sets secret password to abc123
show	

