

Cisco Device Security

Command	Description
<pre>R1#line con 0 R1#Exec-timeout 15 R1#line vty 0 15 R1#exec-timeout 5 30</pre>	Allows an administrator to stay logged in indefinitely
<pre>R1#access-list 1 permit host 10.0.0.10 R1#line vty 0 15 R1#login R1#password example R1#access-class 1 in</pre>	<p>Apply an Access List to control access to the VTY lines.</p> <p>Can be used to limit Telnet and SSH access to only your administrator workstations</p>
<pre>R1#enable secret example</pre>	When you connect over the console or a VTY line you will land at the User Exec prompt which has a very limited set of commands available
<pre>R1#service password-encryption</pre>	Encrypts all passwords in the running configuration
<pre>R1#username admin1 secret Flackbox1 R1#username admin2 privilege 15 secret Flackbox2 R1#line console 0 R1#login local R1#line vty 0 15 # R1#login local</pre>	Username Level Security
<pre>R1#ip domain-name Flackbox R1#crypto key generate rsa C:/> ssh -l Flackbox1 10.0.0.1</pre>	Enable SSH (768 bits minimum)

Revision notes

Name	Mode	Command
Hostname>	User exec mode	
Hostname#	Privileged Exec mode	Enable
Hostname(config)#	Global Configuration mode	Configure terminal
Hostname(config-if)#	Interface Configuration mode	Interface x
Name	Description	
Console line	Accessing User Exec mode when connecting via a console cable	
Virtual terminal VTY line	Accessing User Exec mode when connecting remotely via Telnet or SSH Secure shell	
Privileged Exec Mode	Entering the 'enable' command	

Additional notes

Command	Description
Configure terminal	Logs into config t mode
Line con 0	Enters console mode
Password cisco	Set password on console
Username admin password cisco1234	Set login credentials
Enable secret cisco	Sets password and encrypts it
Service password- encryption	Encrypts all password data
Banner motd #unauthorized access to this device	Sets message for the switch interface
Copy running-config start- up-config	Save the configuration that we modified
Show running-config	Show configuration settings on a switch