

Cisco Basic Router commands

Initial Setup Commands

Prompt / Mode:	Command:	Description:
R(config)#	hostname <hostname>	Set hostname for the device.
R(config)#	no ip domain-lookup	Disable ip domain-lookup; no timeout when incorrect cmd typed.
R(config)#	banner motd \$ <motd msg> \$	Set MOTD. Use \$ to end the MOTD when multiple lines typed.
R(config)#	line console 0	
R(config-line)#	logging synchronous	Prevents logging output from immediately interrupting console session.
R(config-line)#	password <pwd>	Sets an unsecure password for the console port.
R(config-line)#	login	Enable required console port login password.
R(config-line)#	no login	Disables login.
R(config)#	line vty 0 4	Enter telnet/ssh config mode.
R(config-line)#	password <pwd>	Sets a password for telnet/ssh.
R(config-line)#	login	Enable required console port login password.
R(config)#	interface vlan1	Enter VLAN1 interface config mode.
R(config-if)#	ip address <ip ad> <subnet mask>	Configure VLAN ip address and subnet. (used for telnet)
R(config-if)#	no shutdown	Manually enable the interface.
R(config)#	enable secret <pwd>	Enable a secure password for privileged mode.
R(config)#	service password-encryption	Manually encrypt passwords.
R#	copy running-config startup-config	Copies running config to startup config. Saves all changes.
Router>	enable (or ena)	To enter privileged EXEC mode (enable mode)
Router#	configure terminal	enter global configuration mode from privileged EXEC mode (Router#).
R(config)#	hostname <hostname>	change the hostname on a Cisco router
R(config)#	enable secret<password>	secures privileged EXEC mode by setting an MD5, SHA256, or higher hashed password.
R(config)#	line console 0	enters configuration mode for the physical console port (tty line 0)
R(config-line)#	password <password>	secures direct console access, requiring a password to enter user exec mode.
R(config-line)#	login	Activates password authentication

Initial Setup Commands (cont)

R(config)#	service password-encryption	Encrypts all plain-text passwords in the configuration file.
R#	write memory	Saves the configuration to NVRAM, ensuring it persists after a reboot.
R#	show running-config	This command shows current interface, routing, and system settings.

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