

	Command	context	Device type	Remark(s)
general	?	any	switch/router	show help
	<command> ?	any	switch/router	show help concerning <command>
	<command>[tab]	any	switch/router	use auto-complete on <command>
	[ctr]+[shift]+6	any	switch/router	abort a given command
	enable	>	switch/router	switch to privileged exec mode
save	copy running-config startup-config	#	switch/router	save the configuration in memory to flash
	copy startup-config flash	#	switch/router	backup the config to flash
	copy startup-config tftp	#	switch/router	backup the config to file server
	write	#	switch/router	!!! overwrites startup-config without confirmation !!!
	reload	#	switch/router	restart the device !!! unsaved changes will be lost !!!
information	show <info>	#	switch/router	show information
	show version	#	switch/router	show version info on ios
	show arp	#	switch/router	show the arp table
	show running-config	#	switch/router	show the configuration currently in memory
	show ip interface brief	#	router	brief overview of interfaces and their ip addresses
	show ip route	#	router	show ipv4 routing table
	show ipv6 route	#	router	show ipv6 routing table
	show interfaces	#	router/switch	show full info on all connected interfaces
	show file system	#	router/switch	show stats on nvram and flash (size/free space)
	show cdp	#	router/switch	show Cisco Discovery Protocol properties
	show cdp neighbors	#	router/switch	show cdp neighbors
	show vlan {brief}	#	switch	show vlan information
	ping <ip>	#	router/switch*	send 5 icmp-echo packets to the specified ip address
general config	configure terminal	#	switch/router	go to global configuration mode
	no <command>	(config)#	switch/router	undo/negate a (previous) command
	hostname <name>	(config)#	switch/router	give the device a name
	banner motd #<msg>#	(config)#	switch/router	enter a message of the day, displayed upon console connection
interface config	interface <if-id>	(config)#	switch/router	go to the specified interface configuration
	interface vlan <id>	(config)#	switch	enable svi (e.g. to assign ip address for remote access)
	ip address <ipv4> <sn-mask>	(config-if)#	router/switch*	configure an ipv4 address on an interface
	shutdown	(config-if)#	router/switch*	bring an interface down
	no shutdown	(config-if)#	router/switch*	bring an interface up
security	service password-encryption	(config)#	switch/router	encrypt all passwords in configuration files
	enable password <pwd>	(config)#	switch/router	enter a password to switch to enabled mode
	enable secret <pwd>	(config)#	switch/router	use an encrypted secret to enabled mode
line sec	line console <#id>	(config)#	switch/router	enter console configuration (e.g. to restrict console access)
	password <pwd>	(config-line)#	switch/router	enable a password on console/svi to restrict access
	login {local}	(config-line)#	switch/router	enable logging in from telnet/ssh over ip
telnet	line vty <#first> <#last>	(config)#	switch/router	enter virtual terminal configuration (restrict telnet/ssh over ip access)
	password <pwd>	(config-line)#	switch/router	enable a password on console/svi to restrict access
	login {local}	(config-line)#	switch/router	enable logging in from telnet/ssh over ip
ssh config	hostname <name>	(config)#	switch/router	give the device a name
	ip domain-name <fqdn>	(config)#	switch/router	set an ip domain name
	crypto key generate rsa	(config)#	switch/router	generate ssh certificate
	username <id> password <pwd>	(config)#	switch/router	specify user/password combo
	line vty <#first> <#last>	(config)#	switch/router	enter virtual terminal configuration (restrict telnet/ssh over ip access)
	login {local}	(config-line)#	switch/router	enable logging in from telnet/ssh over ip
	transport input ssh	(config-line)#	switch/router	make sure remote connections use ssh
end	end	(config)#	switch/router	step all the way back to privileged exec mode
	exit	(config-<any>)#	switch/router	step back one step (also back to user exec mode)

*) only on svi (switch virtual interface) or multilayer switch