

CLI Commands

The Cisco Wireless LAN solution command-line interface (CLI) enables operators to connect an ASCII console to the Cisco Wireless LAN Controller and configure the controller and its associated access points.

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show Commands

This section lists the **show** commands that you can use to display information about the controller ports and interfaces.

show advanced sip-snooping-ports

To display the port range for call snooping, use the show advanced sip-snooping-ports command.

 show advanced sip-snooping-ports

 Syntax Description
 This command has no arguments or keywords.

 Command Default
 None

 Command History
 Release
 Modification

 7.6
 This command was introduced in a release earlier than Release 7.6.

 Examples
 The following is a sample output of the show advanced sip-snooping-ports command:

(Cisco Controller) > **show advanced sip-snooping-ports** SIP Call Snoop Ports: 1000 - 2000

show interface

To display details of the system interfaces, use the show interface command.

show interface {summary | detailed {interface_name | virtual}

Syntax Description	summary	Displays a summary of the local interfaces.
	detailed	Displays detailed interface information.
	interface_name	Interface name for detailed display.

Command Default

None

Command History Release Modification 7.6 This command was introduced in a release earlier than Release 7.6.

Examples

The following example shows how to display a summary of the local interfaces:

(Cisco Controller) > show Interface Name Guest	interface Port Vl	summary Lan Id	IP	Address	Туре	Ap	Mgr
			-				
ap-manager	1	untagged		XXX.XXX.XXX.XXX	k Statio	2	Yes
No							
management	1	untagged	L	xxx.xxx.xxx.xxx	s Statio	2	No
No		22					
service-port	N/A	N/A		xxx.xxx.xxx.xxx	statio	2	No
No		,					-
virtual	N/A	N/A		xxx xxx xxx xxx	. Static	-	No
No	,			····· • · · · · · · · · · · · · · · · ·	Scucie		110
110							

The following example shows how to display the detailed interface information:

(Cisco Controller) > show interface detailed management	
Interface Name	management
MAC Address	88:43:e1:7e:0b:20
IP Address	9.4.120.99
IP Netmask	255.255.255.0
IP Gateway	9.4.120.1
External NAT IP State	Disabled
External NAT IP Address	0.0.0.0
VLAN	120

Quarantine-vlan	0
Active Physical Port	1
Primary Physical Port	1
Backup Physical Port	Unconfigured
DHCP Proxy Mode	Global
Primary DHCP Server	9.1.0.100
Secondary DHCP Server	Unconfigured
DHCP Option 82	Disabled
ACL	Unconfigured
mDNS Profile Name Unconfigured	l _
AP Manager	Yes
Guest Interface	No
L2 Multicast	Enabled



Some WLAN controllers may have only one physical port listed because they have only one physical port.

The following example shows how to display the detailed virtual gateway interface information:

show interface group

To display details of system interface groups, use the show interface group command.

show interface group {summary | detailed interface group name}

Syntax Description	summary	Displays a summary of the local interface groups.	
	detailed	Displays detailed interface group information.	
	interface_group_name	Interface group name for a detailed display.	

Command Default

None

Command History	Release	Modification
	7.6	This command was introduced in a release earlier than Release 7.6.

Examples

The following example shows how to display a summary of local interface groups:

(Cisco Controller) > show int Interface Group Name Groups Quarantine	erface g Total	roup summary Interfaces	Total WLANs	Total	AP
mygroup1	1	0		0	No
mygroup2	1	0		0	No
mygroup3	5	1		0	No

The following example shows how to display the detailed interface group information:

Index Vlan Interface Name

I

0 42 testabc

show lag eth-port-hash

To display the physical port used for specific MAC addresses, use the show lag eth-port-hash command.

show lag eth-port-hash dest_MAC [source_MAC]

Syntax Description	dest_MAC	MAC address to determine output port for non-IP packets.		
	source_MAC	(Optional) MAC address to determine output port for non-IP packets.		
Command Default	None			
Command History	Release	Modification		
	7.6	This command was introduced in a release earlier than Release 7.6.		
Evennlee	The following around shows be	u to display the physical part used for a specific MAC address:		
Examples	The following example shows now to display the physical port used for a specific MAC address:			
	(Cisco Controller) > show lag eth-port-hash 11:11:11:11:11:11 Destination MAC 11:11:11:11:11:11 currently maps to port 1			

show lag ip-port-hash

To display the physical port used for specific IP addresses, use the show lag ip-port-hash command.

show lag ip-port-hash dest_IP [source_IP]

Syntax Description	dest_IP	IP address to determine the output port for IP packets.
	source_IP	(Optional) IP address to determine the output port for IP packets.
Command Default	None	
Command History	Release	Modification
	7.6	This command was introduced in a release earlier than Release 7.6.
Usage Guidelines	For CAPWAP packets, enter the WIRED_GUEST packets, enter IP address. For other nontunnel	e AP's IP address. For EOIP packets, enter the WLC's IP address. For its IP address. For non tunneled IP packets from WLC, enter the destination ed IP packets, enter both destination and source IP addresses.
Examples	The following example shows h	ow to display the physical port used for a specific IP address:
	(Cisco Controller) > show I Destination IP 192.16	lag ip-port-hash 192.168.102.138 8.102.138 currently maps to port 1

show lag summary

To display the current link aggregation (LAG) status, use the show lag summary command.

show lag summary

Syntax Description This command has no arguments or keywords.

Command Default None

Command History	Release	Modification
	7.6	This command was introduced in a release earlier than Release 7.6.

Examples The following example shows how to display the current status of the LAG configuration:

```
(Cisco Controller) > show lag summary LAG Enabled
```

show port

To display the Cisco wireless LAN controller port settings on an individual or global basis, use the **show port** command.

show port {port | summary}

Syntax Description	port	Information on the individual ports.	
	summary	Displays all ports.	

Command Default None

Command History	Release	Modification
	7.6	This command was introduced in a release earlier than Release 7.6.

Examples

The following example shows how to display information about an individual wireless LAN controller port:

(C	isco Contr	oller)	> show po:	rt 1					
		STP	Admin	Physical	Physica	al Lir	nk Lin	k Mcast	
Pr	Туре	Stat	Mode	Mode	Status	Status	Trap	Appliance	POE
1	Normal	Disa	Enable	Auto	1000 Full	Down	Enable	Enable	N/A

Note Some WLAN controllers may not have multicast or Power over Ethernet (PoE) listed because they do not support those features.

The following example shows how to display a summary of all ports:

(Cisco Contr	coller) > show p STP Admir	ort summary n Physical	. Physica	l Lin	ık Linl	k Mcast	
Pr Type SFPType	Stat Mode	Mode	Status	Status	Trap	Appliance	POE
1 Normal NotPreser	Forw Enable nt	Auto	1000 Full	Up	Enable	Enable	N/A
2 Normal NotPreser	Disa Enable nt	Auto	1000 Full	Down	Enable	Enable	N/A
3 Normal	Disa Enable	Auto	1000 Full	Down	Enable	Enable	N/A

No	otPreser	nt						
4	Normal	Disa Enable	Auto	1000 Full	Down	Enable	Enable	N/A
No	otPreser	nt						



Some WLAN controllers may have only one port listed because they have only one physical port.

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show serial				
	To display the serial (console) port configuration, use the show serial command.			
	show serial			
Syntax Description	This command has no argumer	its or keywords.		
Command Default	The default values for Baud rate 9600, 8, off, 1, none.	e, Character, Flow Control, Stop Bits, Parity type of the port configuration are		
Command History	Release	Modification		
	7.6	This command was introduced in a release earlier than Release 7.6.		
Examples	The following example shows	how to display EIA-232 parameters and the serial port inactivity timeout:		
	(Cisco Controller) > show Serial Port Login Tim Baud Rate Character Size Flow Control: Stop Bits Parity Type:	serial Neout (minutes)		

show spanningtree port

To display the Cisco wireless LAN controller spanning tree port configuration, use the **show spanningtree port** command.

show spanningtree port port

Syntax Description	port	Physical port number:
		• 1 through 4 on Cisco 2100 Series Wireless LAN Controller.
		• 1 or 2 on Cisco 4402 Series Wireless LAN Controller.
		• 1 through 4 on Cisco 4404 Series Wireless LAN Controller.
Command Default	The default SPT configuration outp	ut values are 800C, Disabled, 802.1D, 128, 100, Auto.
Command History	Release	Modification
	7.6	This command was introduced in a release earlier than Release 7.6.
Usage Guidelines	When the a Cisco 4400 Series wirel Protocol (STP) must be disabled for remain enabled on the switch conne	ess LAN controller is configured for port redundancy, the Spanning Tree all ports on the Cisco 4400 Series Wireless LAN Controller. STP can cted to the Cisco 4400 Series Wireless LAN Controller.
Note	Some WLAN controllers do not su	pport the spanning tree function.
Examples	The following example shows how	to display spanning tree values on a per port basis:
	(Cisco Controller) > show spar STP Port ID STP Port State STP Port Administrative STP Port Priority STP Port Path Cost STP Port Path Cost Mode.	ningtree port 3

show spanningtree switch

To display the Cisco wireless LAN controller network (DS port) spanning tree configuration, use the **show spanningtree switch** command.

show spanningtree switch

Syntax Description This command has no arguments or keywords.

Command Default None

Command History	Release	Modification
	7.6	This command was introduced in a release earlier than Release 7.6.

Usage Guidelines Some WLAN controllers do not support the spanning tree function.

Examples The following example shows how to display spanning tree values on a per switch basis:

(Cisco Controller) > show spanningtree switch	
STP Specification	IEEE 802.1D
STP Base MAC Address	00:0B:85:02:0D:20
Spanning Tree Algorithm	Disable
STP Bridge Priority	32768
STP Bridge Max. Age (seconds)	20
STP Bridge Hello Time (seconds)	2
STP Bridge Forward Delay (seconds)	15

show stats port

To display physical port receive and transmit statistics, use the show stats port command.

show stats port {detailed port | summary port}

Syntax Description	detailed	Displays detailed port statistics.			
	summary	Displays port summary statistics.			
	port	Physical port number:			
		• 1 through 4 on Cisco 2100 Series Wireless LAN Controllers.			
		• 1 or 2 on Cisco 4402 Series Wireless LAN Controllers.			
		• 1 through 4 on Cisco 4404 Series Wireless LAN Controllers.			
		• 1 on Cisco WLCM Series Wireless LAN Controllers.			
Command Default	None				
Command History	Release	Modification			
	7.6	This command was introduced in a release earlier than Release 7.6.			
Examples	The following example shows how to	display the port summary information:			
	(Cisco Controller) > show stats port summary Packets Received Without Error				
	The following example shows how to a	display the detailed port information:			
	(Cisco Controller) > show stats p	port detailed 1			

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PACKETS RECEIVED (OCTETS) 64 byte pkts :918281 65-127 byte pkts :354016 256-511 byte pkts :8406 128-255 byte pkts :1283092 512-1023 byte pkts :3006 1024-1518 byte pkts :1184 1519-1530 byte pkts :0 > 1530 byte pkts :2 PACKETS RECEIVED SUCCESSFULLY Total..... Unicast Pkts :2547844 Multicast Pkts:0 Broadcast Pkts:20143 PACKETS RECEIVED WITH MAC ERRORS Total.....0 Jabbers :0 Undersize :0 FCS Errors:0 Overruns :0 Alignment :0 RECEIVED PACKETS NOT FORWARDED Total......0 Local Traffic Frames: 0 RX Pause Frames : 0 Unacceptable Frames : 0 VLAN Membership : 0 VLAN Viable Discards:0 MulticastTree Viable:0 ReserveAddr Discards:0 CFI Discards :0 Upstream Threshold :0 PACKETS TRANSMITTED (OCTETS) 64 byte pkts:065-127 byte pkts:0128-255 byte pkts:0256-511 byte pkts:0512-1023 byte pkts:01024-1518 byte pkts:21519-1530 byte pkts:0Max Info:1 :1522 PACKETS TRANSMITTED SUCCESSFULLY Unicast Pkts :5868 Multicast Pkts:0 Broadcast Pkts:7 TRANSMIT ERRORS Total Errors..... 0 FCS Error :0 TX Oversized :0 Underrun Error:0 TRANSMIT DISCARDS Total Discards..... 0 Single Coll Frames :0Multiple Coll Frames:0Excessive Coll Frame:0Port Membership :0 VLAN Viable Discards:0 PROTOCOL STATISTICS BPDUs Received :6 BPDUs Transmitted :0 802.3x RX PauseFrame:0 Time Since Counters Last Cleared..... 2 day 0 hr 39 min 59 sec

show stats switch

To display the network (DS port) receive and transmit statistics, use the show stats switch command.

show stats switch {detailed | summary}

Syntax Description	detailed	Displays detailed switch statistics.
	summary	Displays switch summary statistics.
Command Default	None	
Command History	Release	Modification
	7.6	This command was introduced in a release earlier than Release 7.6.
Examples	The following example shows he (Cisco Controller) > show s Packets Received Witho Broadcast Packets Rece Packets Received With Packets Transmitted Wi Broadcast Packets Trar Transmit Packet Errors Address Entries Currer VLAN Entries Currently Time Since Counters La	by to display switch summary statistics: tats switch summary put Error
	The following example shows he (Cisco Controller) > show s RECEIVE Octets	bw to display detailed switch statistics: tats switch detailed 19351718 183468 180230 3219 19 0 354251 5882 5875 0 7 0

config Commands

This section lists the config commands to configure controller ports and interfaces.

config interface acl

To configure access control list of an interface, use the config interface acl command.

config interface acl {**ap-manager** | **management** | *interface_name*} {*ACL* | **none**}

Syntax Description	an-manager	Configures the access point manager interface
	up munuger	configures the access point manager interface.
	management	Configures the management interface.
	interface_name	Interface name.
	ACL	ACL name up to 32 alphanumeric characters.
	none	Specifies none.
Command Default	None	
Command History	Release	Modification
	7.6	This command was introduced in a release earlier than Release 7.6.
Usage Guidelines	For a Cisco 2100 Series Wireless LA LAN for the external web server. The under Web Policy. However, you do Wireless LAN Controllers.	N Controller, you must configure a preauthentication ACL on the wireless his ACL should then be set as a wireless LAN preauthentication ACL o not need to configure any preauthentication ACL for Cisco 4400 Series
Examples	The following example shows how	to configure an access control list with a value None:
	(Cisco Controller) > config in	nterface acl management none

config interface address

To configure address information for an interface, use the config interface address command.

config interface address {**ap-manager** *IP_address netmask gateway* | **management** *IP_address netmask gateway* | **service-port** *IP_address netmask* | **virtual** *IP_address* | **dynamic-interface** *IP_address dynamic_interface netmask gateway* }

Syntax Description	ap-manager	Specifies the access point manager interface.
	IP_address	IP address.
	netmask	Network mask.
	gateway	IP address of the gateway.
	management	Specifies the management interface.
	service-port	Specifies the out-of-band service port interface.
	virtual	Specifies the virtual gateway interface.
	interface-name	Specifies the interface identified by the <i>interface-name</i> parameter.
	interface-name	Interface name.
Command Default Command History	None Release	Modification
	7.6	This command was introduced in a release earlier than Release 7.6.
Usage Guidelines	For Cisco 5500 Series Controllers, yc interface acts like an AP-manager ir	ou are not required to configure an AP-manager interface. The management aterface by default.
Examples	The following example shows how 7 209.165.201.31, network mask 255. (Cisco Controller) > config in 209.165.201.30	to configure an access point manager interface with IP address 255.0.0, and gateway address 209.165.201.30: terface address ap-manager 209.165.201.31 255.255.0.0

The following example shows how to configure a virtual interface: (Cisco Controller) > config interface address virtual 1.1.1.1

Related Commands show interface

config interface address redundancy-management

To configure the management interface IP address, subnet and gateway of the controller, use the **config interface address redundancy-management** command.

config interface address redundancy-management IP_address netmask gateway

Syntax Description	IP_address	Management interface IP address of the active controller.			
	netmask	Network mask.			
	gateway	IP address of the gateway.			
Command Default	None				
Command History	Release	Modification			
	7.6	This command was introduced in a release earlier than Release 7.6.			
Usage Guidelines Examples	You can use this command to check the Active-Standby reachability when the keep-alive fails. The following example shows how to configure the management IP addresses of the controller: (Cisco Controller) > config interface address redundancy-management 209.165.201.31 255.255.0.0 209.165.201.30				
Related Commands	config redundancy mobilityma	c			
	config redundancy interface ad	dress peer-service-port			
	config redundancy peer-route				
	config redundancy unit				
	config redundancy timer				
	show redundancy timers				
	show redundancy summary				
	debug rmgr				
	debug rsyncmgr				

config interface ap-manager

To enable or disable access point manager features on the management or dynamic interface, use the **config interface ap-manager** command.

config interface ap-manager {management | interface_name} {enable | disable}

Syntax Decorintian		
Syntax Description	management	Specifies the management interface.
	interface_name	Dynamic interface name.
	enable	Enables access point manager features on a dynamic interface.
	disable	Disables access point manager features on a dynamic interface.
Command Default	None	
Command History	Release	Modification
	7.6	This command was introduced in a release earlier than Release 7.6.
Usage Guidelines	Use the management option to en For Cisco 5500 Series Controllers, If desired, you can disable the man interface as an AP manager.	able or disable dynamic AP management for the management interface. , the management interface acts like an AP-manager interface by default. agement interface as an AP-manager interface and create another dynamic
	When you enable this feature for a interface (only one AP-manager in as an AP-manager interface cannot	dynamic interface, the dynamic interface is configured as an AP-manager aterface is allowed per physical port). A dynamic interface that is marked t be used as a WLAN interface.
Examples	The following example shows how	v to disable an access point manager myinterface:
	(Cisco Controller) > config i	nterface ap-manager myinterface disable

config interface create

To create a dynamic interface (VLAN) for wired guest user access, use the config interface create command.

config interface create interface_name vlan-id

Syntax Description	interface_name	Interface name.
	vlan-id	VLAN identifier.
Command Default	None	
Command History	Release	Modification
	7.6	This command was introduced in a release earlier than Release 7.6.
Examples	The following example shows how	to create a dynamic interface with the interface named lab2 and VLAN
-	ID 6:	

(Cisco Controller) > config interface create lab2 6

config interface delete

To delete a dynamic interface, use the config interface delete command.

config interface delete interface-name

Syntax Description	interface-name	interface-nameInterface name.
Command Default	None	
Command History	Release	Modification
	7.6	This command was introduced in a release earlier than Release 7.6.

Examples The following example shows how to delete a dynamic interface named VLAN501:

(Cisco Controller) > config interface delete VLAN501

config interface dhcp

To configure DHCP options on an interface, use the config interface dhcp command.

config interface dhcp {ap-manager [primary dhcp_server secondary dhcp_server | option-82 [enable |
disable]] | management [primary dhcp_server secondary dhcp_server | option-82 [enable | disable]] |
service-port {enable | disable} | dynamic-interfaceinterface_name [primary dhcp_server secondary
dhcp_server | option-82 [enable | disable] | proxy-mode {enable | disable | global}]}

ap-manager	Configures the access point manager interface.
primary	(Optional) Specifies the primary DHCP server.
dhcp_server	IP address of the server.
secondary	(Optional) Specifies the secondary DHCP server.
option-82	(Optional) Configures DHCP Option 82 on the interface.
enable	(Optional) Enables the feature.
disable	(Optional) Disables the feature.
management	Configures the management interface.
service-port	Specifies the DHCP for the out-of-band service port.
dynamic-interface	Specifies the interface and the primary DHCP server. Optionally, you can also enter the address of the alternate DHCP server.
name	Specifies the interface name
proxy-mode	(Optional) Configures the DHCP proxy mode on the interface.
enable	(Optional) Enables the DHCP proxy mode on the interface.
disable	(Optional) Disables the DHCP proxy mode on the interface.
global	(Optional) Uses the global DHCP proxy mode on the interface.
	ap-manager primary dhcp_server secondary option-82 enable disable management service-port dynamic-interface name proxy-mode enable disable

Command Default None

Command History	Release	Modification	
	7.6	This command was introduced in a release earlier than Release 7.6.	
Examples	The following example shows how to configure ap-manager server with the primary DHCP server 10.21.15.01 and secondary DHCP server 10.21.15.25:		
	(Cisco Controller) > config interface dhcp ap-manager server-1 10.21.15.01 server-2 10.21.15.25 The following example shows how to configure DHCP option 82 on the ap-manager:		
	(Cisco Controller) > config interface dhcp ap-manager option-82 enable		
	The following example shows how to enable the DHCP for the out-of-band service port:		
	(Cisco Controller) > config	interface dhcp service-port enable	
Related Commands	config dhcp		
	config dhcp proxy		
	config interface dhcp		
	config wlan dhcp_server		
	debug dhcp		
	debug dhcp service-port		
	debug disable-all		
	show dhcp		
	show dhcp proxy		

show interface

config interface address

To configure interface addresses, use the config interface address command.

config interface address {dynamic-interface dynamic_interface netmask gateway | virtual} IP_address

Syntax Description	dynamic-interface	Configures the dynamic interface of the controller.
	dynamic_interface	Dynamic interface of the controller.
	IP_address	IP address of the interface.
	netmask	Netmask of the interface.
	gateway	Gateway of the interface.
	virtual	Configures the virtual gateway interface.
Command Default	None	
Command History	Release	Modification
	7.6	This command was introduced in a release earlier than Release 7.6.
Examples	The following example shows how to a (Cisco Controller) > config inter	configure a virtual interface: rface address virtual 1.1.1.1
Related Commands	show interface group summary	
	show interface summary	

config interface guest-lan

To enable or disable the guest LAN VLAN, use the **config interface guest-lan** command.

config interface guest-lan *interface_name* {*enable* | *disable*}

Syntax Description	interface_name	Interface name.
	enable	Enables the guest LAN.
	disable	Disables the guest LAN.
Command Default	None	
Command History	Release	Modification
	7.6	This command was introduced in a release earlier than Release 7.6.
Examples	The following example shows how to enable the g	guest LAN feature on the interface named myinterface:
	(Cisco Controller) > config interface gues	st-lan myinterface enable
Related Commands	config guest-lan create	

config interface hostname

To configure the Domain Name System (DNS) hostname of the virtual gateway interface, use the **config interface hostname** command.

config interface hostname virtual DNS_host

Syntax Description	virtual	Specifies the virtual gateway interface to use the specified virtual address of the fully qualified DNS name.	
		The virtual gateway IP address is any fictitious, unassigned IP address, such as 1.1.1.1, to be used by Layer 3 security and mobility managers.	
	DNS_host	DNS hostname.	
Command Default	None		
Command History	Release	Modification	
	7.6	This command was introduced in a release earlier than Release 7.6.	
Examples	The following example shows ho	ow to configure virtual gateway interface to use the specified virtual address	
	of the fully qualified DNS hostna	ame DNS_Host:	
	(Cisco Controller) > config interface hostname virtual DNS_Host		

config interface nasid

To configure the Network Access Server identifier (NAS-ID) for the interface, use the **config interface nasid** command.

config interface nasid {*NAS-ID* | **none**} *interface_name*

Syntax Description	NAS-ID	 Network Access Server identifier (NAS-ID) for the interface. The NAS-ID is sent to the RADIUS server by the controller (as a RADIUS client) using the authentication request, which is used to classify users to different groups. You can enter up to 32 alphanumeric characters. Beginning in Release 7.4 and later releases, you can configure the NAS-ID on the interface, WLAN, or an access point group. The order of priority is AP group
	none	NAS-ID > WLAN NAS-ID > Interface NAS-ID. Configures the controller system name as the NAS-ID.
	interface_name	Interface name up to 32 alphanumeric characters.
Command Default	None	
Command History	Release	Modification
	7.6	This command was introduced in a release earlier than Release 7.6.
Usage Guidelines	The NAS-ID configured on the controller for AP gr NAS-ID is not propagated across controllers.	roup or WLAN or interface is used for authentication. The
Examples	The following example shows how to configure the (Cisco Controller) > config interface nasion	e NAS-ID for the interface: a
Related Commands	config wlan nasid config wlan apgroup	

config interface nat-address

To deploy your Cisco 5500 Series Controller behind a router or other gateway device that is using one-to-one mapping network address translation (NAT), use the **config interface nat-address** command.

config interface nat-address {management | dynamic-interface interface_name} {{enable | disable} | {set
 public_IP_address}}

Syntax Description	management	Specifies the management interface.	
	dynamic-interface interface_name	Specifies the dynamic interface name.	
	enable	Enables one-to-one mapping NAT on the interface.	
	disable	Disables one-to-one mapping NAT on the interface.	
	public_IP_address	External NAT IP address.	
Command Default	None		
Command History	Release	Modification	
	7.6	This command was introduced in a release earlier than Release 7.6.	
Usage Guidelines	These NAT commands can be used only on Cis is configured for dynamic AP management.	co 5500 Series Controllers and only if the management interface	
	These commands are supported for use only w direct and fixed mapping to a global address. mapping to enable a group of clients to be rep	vith one-to-one-mapping NAT, where each private client has a They do not support one-to-many NAT, which uses source port resented by a single IP address.	
Examples	The following example shows how to enable	one-to-one mapping NAT on the management interface:	
	(Cisco Controller) > config interface nat-address management enable		
	The following example shows how to set the external NAP IP address 10.10.10.10 on the management interface:		
	(Cisco Controller) > config interface :	nat-address management set 10.10.10.10	

config interface port

To map a physical port to the interface (if a link aggregation trunk is not configured), use the **config interface port** command.

config interface port {**management** | *interface_name* | **redundancy-management**} *primary_port* [*secondary port*]

Syntax Description management Specifies the management interface. interface_name Interface name. redundancy-management Specifies the redundancy management interface. primary_port Primary physical port number. secondary_port (Optional) Secondary physical port number.

Command Default	None
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Command History	Release	Modification
	7.6	This command was introduced in a release earlier than Release 7.6.

Usage Guidelines You can use the **management** option for all controllers except the Cisco 5500 Series Controllers.

Examples The following example shows how to configure the primary port number of the LAb02 interface to 3:

(Cisco Controller) > config interface port lab02 3

config interface quarantine vlan

To configure a quarantine VLAN on any dynamic interface, use the **config interface quarantine vlan** command.

config interface quarantine vlan interface-name vlan_id

Syntax Description	interface-name	Interface's name.
	vlan_id	VLAN identifier.
		Note Enter 0 to disable quarantine processing.
Command Default	None	
Command History	Release	Modification
	7.6	This command was introduced in a release earlier than Release 7.6.
Examples	The following example shows how VLAN ID 10:	to configure a quarantine VLAN on the quarantine interface with the
	(Cisco Controller) > config in	nterface quarantine vlan quarantine 10

config interface vlan

To configure an interface VLAN identifier, use the config interface vlan command.

config interface vlan {management | *interface-name* | redundancy-management} *vlan*

Cuntou Decemintion			
Syntax Description	management	Configures the management interface.	
	interface_name	Interface name.	
	vlan	VLAN identifier.	
	redundancy-management	Specifies the redundancy management interface.	
Command Default	None		
Command History	Release	Modification	
	7.6	This command was introduced in a release earlier than Release 7.6.	
Usage Guidelines	You cannot change the redundancy manages is mapped to the redundancy port. You mut	gement VLAN when the system redundancy management interface ust configure the redundancy management port first.	
Examples	The following example shows how to configure VLAN ID 10 on the management interface:		
	(Cisco Controller) > config interface vlan management 10		

config interface group mdns-profile

To configure an mDNS (multicast DNS) profile for an interface group, use the **config interface group mdns-profile** command.

config interface group mdns-profile {**all** | *interface-group-name*} {*profile-name* | **none**}

Syntax Description	all	Configures an mDNS profile for all interface groups.	
	interface-group-name	Name of the interface group to which the mDNS profile has to be associated. The interface group name can be up to 32 case-sensitive, alphanumeric characters.	
	profile-name	Name of the mDNS profile.	
	none	Removes all existing mDNS profiles from the interface group. You cannot configure mDNS profiles on the interface group.	
Command Default	None		
Command History	Release	Modification	
	7.6	This command was introduced in a release earlier than Release 7.6.	
Usage Guidelines	If the mDNS profile is ass	ociated to a WLAN, an error appears.	
Examples	The following example sh (Cisco Controller) > c	ows how to configure an mDNS profile for an interface group floor1: onfig interface group mdns-profile floor1 profile1	
Related Commands	config mdns query interval		
	config mdns service		
	config mdns snooping		
	config interface mdns-profile		
	config mdns profile		
	config wlan mdns		
	show mdns profile		
	show mnds service		

- clear mdns service-database debug mdns all
- debug mdns error
- debug mdns detail
- debug mdns message

config interface mdns-profile

To configure an mDNS (multicast DNS) profile for an interface, use the **config interface mdns-profile** command.

config interface mdns-profile {management | all interface-name} {profile-name | none}

Syntax Description	management	Configures an mDNS profile for the management interface.
	all	Configures an mDNS profile for all interfaces.
	interface-name	Name of the interface on which the mDNS profile has to be configured. The interface name can be up to 32 case-sensitive, alphanumeric characters.
	profile-name	Name of the mDNS profile.
	none	Removes all existing mDNS profiles from the interface. You cannot configure mDNS profiles on the interface.

Command History	Palassa
Command Default	None

nd History	Release	Modification
	7.6	This command was introduced in a release earlier than Release 7.6.

Usage Guidelines If the mDNS profile is associated to a WLAN, an error appears.

ExamplesThe following example shows how to configure an mDNS profile for an interface lab1:
(Cisco Controller) > config interface mdns-profile lab1 profile1

Related Commandsconfig mdns query interval
config mdns service
config mdns snooping
config mdns profile
config interface group mdns-profile
config wlan mdns

show mdns profile

show mnds service

clear mdns service-database

debug mdns all

debug mdns error

debug mdns detail

debug mdns message

1

config lag			
	To enable or disable link aggregation (LAG), use the config lag command. config lag { enable disable }		
Syntax Description	enable	Enables the link aggregation (LAG) settings.	
	disable	Disables the link aggregation (LAG) settings.	
Command Default	None		
Command History	Release	Modification	
	7.6	This command was introduced in a release earlier than Release 7.6.	
Examples	The following example shows how to	enable LAG settings:	
	(Cisco Controller) > config lag enable Enabling LAG will map your current interfaces setting to LAG interface, All dynamic AP Manager interfaces and Untagged interfaces will be deleted All WLANs will be disabled and mapped to Mgmt interface Are you sure you want to continue? (y/n) You must now reboot for the settings to take effect.		
	The following example shows how to disable LAG settings:		
	(Cisco Controller) > config lag disable Disabling LAG will map all existing interfaces to port 1. Are you sure you want to continue? (y/n) You must now reboot for the settings to take effect.		

config macfilter

To create or delete a MAC filter entry on the Cisco wireless LAN controller, use the config macfilter command.

config macfilter {**add** *client_MAC wlan_id* [*interface_name*] [*description*] [*macfilter_IP*] | **delete** *client_MAC*}

Syntax Description	add	Adds a MAC filter entry on the controller.
	client_MAC	Client MAC address.
	wlan_id	Wireless LAN identifier with which the MAC filter entry should associate. A zero value associates the entry with any wireless LAN.
	interface_name	(Optional) Name of the interface. Enter 0 to specify no interface.
	description	(Optional) Short description of the interface (up to 32 characters) in double quotes.
		Note A description is mandatory if <i>macfilterIP</i> is specified.
	macfilter_IP	(Optional) IP address of the local MAC filter database.
	delete	Deletes a MAC filter entry on the controller.
Command Default	None	
Command History	Release	Modification
	7.6	This command was introduced in a release earlier than Release 7.6.
Usage Guidelines	Use the config macfilter add common controller. This filter bypasses the F	and to add a client locally to a wireless LAN on the Cisco wireless LAN ADIUS authentication process.
Examples	The following example shows how 1, interface name labconnect, and N	to add a MAC filter entry 00:E0:77:31:A3:55 with the wireless LAN ID IAC filter IP 10.92.125.51 on the controller:
	(Cisco Controller) > config ma	filter add 00:E0:77:31:A3:55 1 lab02 "labconnect" 10.92.125.5

Related Commands

show macfilter

config macfilter ip-address

config macfilter description

To add a description to a MAC filter, use the **config macfilter description** command.

config macfilter description MAC description

Syntax Description			
bymax bescription	MAC	Client MAC address.	
	description	(Optional) Description within double quotes (up to 32 characters).	
Command Default	None		
Command History	Release	Modification	
	7.6	This command was introduced in a release earlier than Release 7.6.	
Examples	The following example shows how 11:11:11:11:11:11:	to configure the description MAC filter 01 to MAC address	
	(Cisco Controller) > config m	acfilter description 11:11:11:11:11 "MAC Filter 01"	
Related Commands	show macfilter		

config macfilter interface

To create a MAC filter client interface, use the config macfilter interface command.

config macfilter interface *MAC interface*

Syntax Description	MAC	Client MAC address.
	interface	Interface name. A value of zero is equivalent to no name.
Command Default	None	
Command History	Release	Modification
	7.6	This command was introduced in a release earlier than Release 7.6.
Examples	The following example shows I (Cisco Controller) > confi	how to configure a MAC filer interface Lab01 on client 11:11:11:11:11:11: g macfilter interface 11:11:11:11:11 Lab01
Related Commands	show macfilter	

config macfilter ip-address

To assign an IP address to an existing MAC filter entry if one was not assigned using the **config macfilter** add command, use the **config macfilter ip-address** command.

config macfilter ip-address MAC_address IP_address

Syntax Description	MAC_address	Client MAC address.
	IP_address	IP address for a specific MAC address in the local MAC filter database.
Command Default	None	
Command History	Release	Modification
	7.6	This command was introduced in a release earlier than Release 7.6.
Examples	The following example shows how the local MAC filter database: (Cisco Controller) > config m	to configure IP address 10.92.125.51 for a MAC 00:E0:77:31:A3:55 in Macfilter ip-address 00:E0:77:31:A3:55 10.92.125.51
Related Commands	show macfilter config macfilter	

config macfilter mac-delimiter

To set the MAC delimiter (colon, hyphen, none, and single-hyphen) for MAC addresses sent to RADIUS servers, use the **config macfilter mac-delimiter** command.

config macfilter mac-delimiter {none | colon | hyphen | single-hyphen}

Syntax Description	none	Disables the delimiters (for example, xxxxxxxx).	
	colon	Sets the delimiter to a colon (for example, xx:xx:xx:xx:xx).	
	hyphen	Sets the delimiter to a hyphen (for example, xx-xx-xx-xx).	
	single-hyphen	Sets the delimiter to a single hyphen (for example, xxxxxx-xxxxxx).	
Command Default	The default delimiter is hyphen.		
Command History	Release	Modification	
	7.6	This command was introduced in a release earlier than Release 7.6.	
Examples	The following example shows how in the form aa:bb:cc:dd:ee:ff:	to have the operating system send MAC addresses to the RADIUS server	
	(Cisco Controller) > config macfilter mac-delimiter colon		
	The following example shows how to have the operating system send MAC addresses to the RADIUS server in the form aa-bb-cc-dd-ee-ff:		
	(Cisco Controller) > config macfilter mac-delimiter hyphen		
	The following example shows how to have the operating system send MAC addresses to the RADIUS server in the form aabbccddeeff:		
	(Cisco Controller) > config macfilter mac-delimiter none		

Related Commands show macfilter

config macfilter radius-compat

To configure the Cisco wireless LAN controller for compatibility with selected RADIUS servers, use the **config macfilter radius-compat** command.

config macfilter radius-compat {Cisco | free | other}

Syntax Description	Cisco	Configures the Cisco ACS compatibility mode (password is the MAC address of the server).	
	free	Configures the Free RADIUS server compatibility mode (password is secret).	
	other	Configures for other server behaviors (no password is necessary).	
Command Default	Other		
Command History	Release	Modification	
	7.6	This command was introduced in a release earlier than Release 7.6.	
Evennlag	The fallencing ensured above h	en te configure the Circo ACS commetibility mode to "other".	
Examples	The following example shows now to configure the Cisco ACS compatibility mode to other :		
	(crsco controller) > config	, madiliter radius-compat other	
Related Commands	show macfilter		

config macfilter wlan-id

To modify a wireless LAN ID for a MAC filter, use the config macfilter wlan-id command.

config macfilter wlan-id MAC wlan_id

Syntax Description	MAC	Client MAC address.
	wlan_id	Wireless LAN identifier to associate with. A value of zero is not allowed.
Command Default	None	
Command History	Release	Modification
	7.6	This command was introduced in a release earlier than Release 7.6.
Examples	The following example shows he (Cisco Controller) > config	ow to modify client wireless LAN ID 2 for a MAC filter 11:11:11:11:11:11: macfilter wlan-id 11:11:11:11:11 2
Related Commands	show macfilter show wlan	

config port adminmode

To enable or disable the administrative mode for a specific controller port or for all ports, use the **config port adminmode** command.

config port adminmode {all | port} {enable | disable}

Syntax Description	all	Configures all ports.	
	port	Number of the port.	
	enable	Enables the specified ports.	
	disable	Disables the specified ports.	
Command Default	Enabled		
Command History	Release	Modification	
	7.6	This command was introduced in a release earlier than Release 7.6.	
Examples	The following example shows how to disable port 8:		
	(Cisco Controller) > config port adminmode 8 disable		
	The following example shows how to enable all ports:		
	(Cisco Controller) > config port adminmode all enable		

config port autoneg

To configure 10/100BASE-T Ethernet ports for physical port autonegotiation, use the **config port autoneg** command.

config port autoneg {all | port} {enable | disable}

Syntax Description	all	Configures all ports.	
	port	Number of the port.	
	enable	Enables the specified ports.	
	disable	Disables the specified ports.	
Command Default	The default for all ports is that	auto-negotiation is enabled.	
Command History	Release	Modification	
	7.6	This command was introduced in a release earlier than Release 7.6.	
Usage Guidelines	You must disable port auto-com port physicalmode command. the config port physicalmode	figuration before you make physical mode manual settings by using the config The config port autoneg command overrides settings that you made using command.	
Examples	The following example shows how to turn on physical port autonegotiation for all front-panel Ethernet ports:		
	(Cisco Controller) > config port autoneg all enable		
	The following example shows	how to disable physical port autonegotiation for front-panel Ethernet port 19:	
	(Cisco Controller) > config port autoneg 19 disable		

config port linktrap

To enable or disable the up and down link traps for a specific controller port or for all ports, use the **config port linktrap** command.

config port linktrap {all | port} {enable | disable}

Syntax Description	all	Configures all ports.	
	port	Number of the port.	
	enable	Enables the specified ports.	
	disable	Disables the specified ports.	
Command Default	The default value for down link traps	s for a specific controller port or for all ports is enabled.	
Command History	Release	Modification	
	7.6	This command was introduced in a release earlier than Release 7.6.	
Examples	The following example shows how to disable port 8 traps:		
	(Cisco Controller) > config port linktrap 8 disable		
	The following example shows how to enable all port traps:		
	(Cisco Controller) > config por	t linktrap all enable	

config port multicast appliance

To enable or disable the multicast appliance service for a specific controller port or for all ports, use the **config port multicast appliance** commands.

config port multicast appliance {all | port} {enable | disable}

Syntax Description	all	Configures all ports.	
	port	Number of the port.	
	enable	Enables the specified ports.	
	disable	Disables the specified ports.	
Command Default	The default multicast appliance	ce service for a specific controller port or for all ports is enabled.	
Command History	Release	Modification	
	7.6	This command was introduced in a release earlier than Release 7.6.	
Examples	The following example shows how to enable multicast appliance service on all ports:		
	(Cisco Controller) > config port multicast appliance all enable		
	The following example shows how to disable multicast appliance service on port 8:		
	(Cisco Controller) > conf	ig port multicast appliance 8 disable	

config port power

To enable or disable Power over Ethernet (PoE) for a specific controller port or for all ports, use the **config port power** command.

config port power {all | port} {enable | disable}

Syntax Description	all	Configures all ports.	
	port	Port number.	
	enable	Enables the specified ports.	
	disable	Disables the specified ports.	
Command Default	Enabled		
Command History	Release	Modification	
	7.6	This command was introduced in a release earlier than Release 7.6.	
Examples	The following example shows how to enable PoE on all ports:		
	(Cisco Controller) > config port power all enable		
	The following example shows how to disable PoE on port 8:		
	(Cisco Controller) > config port power 8 disable		

config route add

To configure a network route from the service port to a dedicated workstation IP address range, use the **config route add** command.

config route add *ip_address netmask gateway*

Syntax Description	ip_address	Network IP address.	
	netmask	Subnet mask for the network.	
	gateway	IP address of the gateway for the route network.	
Command Default	None		
Command History	Release	Modification	
	7.6	This command was introduced in a release earlier than Release 7.6.	
Examples	The following example shows how	w to configure a network route to a dedicated workstation IP address 10.1.1.0,	
	subnet mask 255.255.255.0, and	gateway 10.1.1.1:	
	(Cisco Controller) > config route add 10.1.1.0 255.255.255.0 10.1.1.1		

config route delete

To remove a network route from the service port, use the **config route delete** command.

config route delete *ip_address*

Syntax Description	ip_address	Network IP address.
Command Default	None	
Command History	Release	Modification
	7.6	This command was introduced in a release earlier than Release 7.6.

Examples The following example shows how to delete a route from the network IP address 10.1.1.0:

(Cisco Controller) > config route delete 10.1.1.0

config serial baudrate

To set the serial port baud rate, use the **config serial baudrate** command.

config serial baudrate {1200 | 2400 | 4800 | 9600 | 19200 | 38400 | 57600}

Syntax Description	1200	Specifies the supported connection speeds to 1200.
	2400	Specifies the supported connection speeds to 2400.
	4800	Specifies the supported connection speeds to 4800.
	9600	Specifies the supported connection speeds to 9600.
	19200	Specifies the supported connection speeds to 19200.
	38400	Specifies the supported connection speeds to 38400.
	57600	Specifies the supported connection speeds to 57600.

Command Default The default serial port baud rate is 9600.

Command History	Release	Modification
	7.6	This command was introduced in a release earlier than Release 7.6.

Examples The following example shows how to configure a serial baud rate with the default connection speed of 9600:

(Cisco Controller) > config serial baudrate 9600

config serial timeout

To set the timeout of a serial port session, use the **config serial timeout** command.

config serial timeout minutes

Syntax Description	minutes	Timeout in minutes from 0 to 160. A value of 0 indicates no timeout.
Command Default	0 (no timeout)	
Command History	Release	Modification
	7.6	This command was introduced in a release earlier than Release 7.6.
Usage Guidelines	Use this command to set the timeout for a serial connection to the front of the Cisco wireless LAN controller from 0 to 160 minutes where 0 is no timeout.	
Examples	The following example shows how to configure the timeout of a serial port session to 10 minutes:	
	(Cisco Controller) > config :	serial timeout 10

config spanningtree port mode

To turn fast or 802.1D Spanning Tree Protocol (STP) on or off for one or all Cisco wireless LAN controller ports, use the **config spanningtree port mode** command.

config spanningtree port mode {off | 802.1d | fast} {port | all}

Syntax Description	off	Disables STP for the specified ports.	
	802.1d	Specifies a supported port mode as 802.1D.	
	fast	Specifies a supported port mode as fast.	
	port	Port number (1 through 12 or 1 through 24).	
	all	Configures all ports.	
Command Default	The default is that port STP is off.		
Command History	Release	Modification	
	7.6	This command was introduced in a release earlier than Release 7.6.	
Usage Guidelines	sage Guidelines When the Cisco 4400 Series Wireless LAN Controller is configured for port redundan for all ports on the controller. STP can remain enabled on the switch connected to the series of the control of the series		
Entering this command allows the controller to set up STP, detect logical r ports on standby, and build a network with the most efficient pathways.		ntroller to set up STP, detect logical network loops, place redundant with the most efficient pathways.	
Examples	The following example shows how to disable STP for all Ethernet ports:		
	(Cisco Controller) > config spanningtree port mode off all		
	The following example shows how to turn on STP 802.1D mode for Ethernet port 24:		
	(Cisco Controller) > config spanningtree port mode 802.1d 24 The following example shows how to turn on fast STP mode for Ethernet port 2:		
	(Cisco Controller) > config spanningtree port mode fast 2		

config spanningtree port pathcost

To set the Spanning Tree Protocol (STP) path cost for an Ethernet port, use the **config spanningtree port pathcost** command.

config spanningtree port pathcost {cost | auto} {port | all}

Syntax Description	cost	Cost in decimal as determined by the network planner.	
	auto	Specifies the default cost.	
	port	Port number (1 through 12 or 1 through 24), or all to configure all ports.	
	all	Specifies to configure all ports.	
Command Default	The default STP path cost for an Ethen	net port is auto.	
Command History	Release	Modification	
	7.6	This command was introduced in a release earlier than Release 7.6.	
Usage Guidelines	When the Cisco 4400 Series Wireless L for all ports on the controller. STP can	AN Controller is configured for port redundancy, STP must be disabled remain enabled on the switch that is connected to the controller.	
Examples	The following example shows how to have the STP algorithm automatically assign a path cost for all ports:		
	(Cisco Controller) > config spanningtree port pathcost auto all		
	The following example shows how to have the STP algorithm use a port cost of 200 for port 22:		
	(Cisco Controller) > config span	ningtree port pathcost 200 22	

config spanningtree port priority

To configure the Spanning Tree Protocol (STP) port priority, use the **config spanningtree port priority** command.

config spanningtree port priority priority_num port

Syntax Description	priority_num	Priority number from 0 to 255.	
	port	Port number (1 through 12 or 1 through 24).	
Command Default	The default STP priority value is 1	28.	
Command History	Release	Modification	
	7.6	This command was introduced in a release earlier than Release 7.6.	
Usage Guidelines	When the Cisco 4400 Series Wireless LAN Controller is configured for port redundancy, STP must be disabled for all ports on the controller. STP can remain enabled on the switch connected to the controller.		
Examples	The following example shows how to set Ethernet port 2 to STP priority 100:		
	(Cisco Controller) > config spanningtree port priority 100 2		

config spanningtree switch bridgepriority

To set the bridge ID, use the **config spanningtree switch bridgepriority** command.

config spanningtree switch bridgepriority *priority_num*

Syntax Description	priority_num	Priority number between 0 and 65535.
Command Default	The default priority number valu	te to set the bridge ID is 32768.
Command History	Release	Modification
	7.6	This command was introduced in a release earlier than Release 7.6.
Usage Guidelin Note	When the Cisco 4400 Series Wi disabled for all ports on the cont	reless LAN Controller is configured for port redundancy, STP must be roller. STP can remain enabled on the switch connected to the controller.
	The other (last) 6 octets of the B specified as a number between 0	ridge ID are given by the value of Bridge MAC address. The value may be and 65535.
Examples	The following example shows how to configure spanning tree values on a per switch basis with the bridge priority 40230:	
	(Cisco Controller) > config	spanningtree switch bridgepriority 40230

config spanningtree switch forwarddelay

To set the bridge timeout, use the config spanningtree switch forwarddelay command.

config spanningtree switch forwarddelay seconds

Syntax Description	seconds	Timeout in seconds (between 4 and 30).	
Command Default	The default value to set a bridg	ge timeout is 15 seconds.	
Command History	Release	Modification	
	7.6	This command was introduced in a release earlier than Release 7.6.	
Usage Guidelines	The value that all bridges use for forward delay when this bridge is acting as the root. 802.1D-1990 specifies that the range for this setting is related to the value of the STP bridge maximum age. The granularity of this timer is specified by 802.1D-1990 to be 1 second. An agent may return a badValue error if a set is attempted to a value that is not a whole number of seconds. The default is 15. Valid values are 4 through 30 seconds.		
Examples	The following example shows how to configure spanning tree values on a per switch basis with the bridge timeout as 20 seconds:		
	(Cisco Controller) > conf :	ig spanningtree switch forwarddelay 20	

ooning opain			
	To set the hello time, use the config spanningtree switch hellotime command. config spanningtree switch hellotime <i>seconds</i>		
Syntax Description	seconds	STP hello time in seconds.	
Command Default	The default hello time value is	15.	
Command History	Release	Modification	
	7.6	This command was introduced in a release earlier than Release 7.6.	
Usage Guidelines	All bridges use this value for F is specified by 802.1D- 1990 t	HelloTime when this bridge is acting as the root. The granularity of this timer o be 1 second. Valid values are 1 through 10 seconds.	
Examples	The following example shows how to configure the STP hello time to 4 seconds: (Cisco Controller) > config spanningtree switch hellotime 4		
Related Commands	show spanningtree switch		
	show spanningtree switch bridgepriority		
	config spanningtree switch fo	orwarddelay	
	config spanningtree switch n	laxage	
	config spanningtree switch n	ıode	

config spanningtree switch hellotime

config spanningtree switch maxage

To set the maximum age, use the **config spanningtree switch maxage** command.

config spanningtree switch maxage seconds

Syntax Description	seconds	STP bridge maximum age in seconds.		
Command Default	The default value for maximum	age is 20.		
Command History	Release	Modification		
	7.6	This command was introduced in a release earlier than Release 7.6.		
Usage Guidelines	All bridges use this value for M range for this parameter is relate specified by 802.1D-1990 to be	dges use this value for MaxAge when this bridge is acting as the root. 802.1D-1990 specifies that the for this parameter is related to the value of Stp Bridge Hello Time. The granularity of this timer is ied by 802.1D-1990 to be 1 second. Valid values are 6 through 40 seconds.		
Examples	The following example shows h (Cisco Controller) > config	ows how to configure the STP bridge maximum age to 30 seconds:		

config spanningtree switch mode

To turn the Cisco wireless LAN controller Spanning Tree Protocol (STP) on or off, use the **config spanningtree switch mode** command.

config spanningtree switch mode {enable | disable}

Syntax Description	enable	Enables STP on the switch.	
	disable	Disables STP on the switch.	
Command Default	The default is that STP is disabled.		
Command History	Release	Modification	
	7.6	This command was introduced in a release earlier than Release 7.6.	
Usage Guidelines	Using this command allows the controller to see on standby, and build a network with the most	et up STP, detect logical network loops, place redundant ports efficient pathways.	
Examples	The following example shows how to support STP on all Cisco wireless LAN controller ports: (Cisco Controller) > config spanningtree switch mode enable		

clear Commands

This section lists the clear commands to clear the configurations on the controller ports and interfaces.

clear stats port To clear statistics counters for a specific port, use the clear stats port command. clear stats port port **Syntax Description** Physical interface port number. port **Command Default** None **Command History** Modification Release 7.6 This command was introduced in a release earlier than Release 7.6. **Examples** The following example shows how to clear the statistics counters for port 9: (Cisco Controller) > clear stats port 9 **Related Commands** clear transfer clear download datatype clear download datatype clear download filename clear download mode clear download serverip clear download start clear upload datatype clear upload filename clear upload mode

clear upload path

clear upload serverip clear upload start

clear stats port