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debug aaa

To configure the debugging of AAA settings, use the **debug aaa** command.

Syntax Description	all	(Optional) Configures the debugging of all AAA messages.	
	avp-xml	(Optional) Configures debug of AAA Avp xml events.	
	detail	(Optional) Configures the debugging of AAA errors.	
	events	(Optional) Configures the debugging of AAA events.	
	packet	(Optional) Configures the debugging of AAA packets.	
	ldap	(Optional) Configures the debugging of the AAA Lightweight Directory Access Protocol (LDAP) events.	
	local-auth	(Optional) Configures the debugging of the AAA local Extensible Authentication Protocol (EAP) events.	
	tacacs	(Optional) Configures the debugging of the AAA TACACS+ events.	
	enable	(Optional) Enables the debugging.	
	disable	(Optional) Disables the debugging.	
Command Default	None		
Command History	Release	Modification	
	7.6	This command was introduced in a release earlier than Release 7.6.	
	The following example shows how to enable the debugging of AAA LDAP events:		
	(Cisco Controller) > debug aaa ldap enable		
Related Commands	debug aaa local-auth eap show running-config		

debug aaa events

To configure the debugging related to DNS-based ACLs, use the debug aaa events enable command.

debug aaa events enable

Syntax Description	events	Configures the debugging of DNS-based ACLs.
Command History	Release	Modification
	7.6	This command is introduced.

The following example shows how to enable the debugging for DNS-based ACLs:

(Cisco Controller) > debug aaa events enble

debug aaa local-auth

To configure the debugging of AAA local authentication on the Cisco WLC, use the **debug aaa local-auth** command.

Syntax Description	db	Configures the debugging of the AAA local authentication back-end messages and events.
	shim	Configures the debugging of the AAA local authentication shim layer events.
	eap	Configures the debugging of the AAA local Extensible Authentication Protocol (EAP) authentication.
	framework	Configures the debugging of the local EAP framework.
	method	Configures the debugging of local EAP methods.
	all	Configures the debugging of local EAP messages.
	errors	Configures the debugging of local EAP errors.
	events	Configures the debugging of local EAP events.
	packets	Configures the debugging of local EAP packets.
	sm	Configures the debugging of the local EAP state machine.
	enable	Starts the debugging.
	disable	Stops the debugging.
Command Default	None	
Command History	Release	Modification
	7.6	This command was introduced in a release earlier than Release 7.6.
	The following example shows how to	enable the debugging of the AAA local EAP authentication:
	(Cisco Controller) > debug aaa l	ocal-auth eap method all enable
Related Commands	clear stats local-auth	
	config local-auth active-timeout	

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config local-auth eap-profile config local-auth method fast config local-auth user-credentials show local-auth certificates show local-auth config show local-auth statistics

debug airewave-director

To configure the debugging of Airewave Director software, use the **debug airwave-director** command.

debug airewave-director {all | channel | detail | error | group | manager | message | packet | power | profile | radar | rf-change} {enable | disable} **Syntax Description** all Configures the debugging of all Airewave Director logs. channel Configures the debugging of the Airewave Director channel assignment protocol. detail Configures the debugging of the Airewave Director detail logs. Configures the debugging of the Airewave Director error error logs. Configures the debugging of the Airewave Director group grouping protocol. Configures the debugging of the Airewave Director manager manager. message Configures the debugging of the Airewave Director messages. packet Configures the debugging of the Airewave Director packets. power Configures the debugging of the Airewave Director power assignment protocol and coverage hole detection. profile Configures the debugging of the Airewave Director profile events. radar Configures the debugging of the Airewave Director radar detection/avoidance protocol. Configures the debugging of the Airewave Director rf-change rf changes. enable Enables the Airewave Director debugging. disable Disables the Airewave Director debugging.

Command Default

None

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Command History Related Commands	Release	Modification
	7.6	This command was introduced in a release earlier than Release 7.6.
	The following example shows how to enable the debugging of Airewave Director profile events:	
	(Cisco Controller) > debug a	airewave-director profile enable
	debug disable-all	
	show sysinfo	

debug ap

AP02:

To configure the remote debugging of Cisco lightweight access points or to remotely execute a command on a lightweight access point, use the **debug ap** command.

debug ap { **enable** | **disable** | **command** *cmd* } *cisco_ap* **Syntax Description** enable Enables the debugging on a lightweight access point. Note The debugging information is displayed only to the controller console and does not send output to a controller Telnet/SSH CLI session. disable Disables the debugging on a lightweight access point. Note The debugging information is displayed only to the controller console and does not send output to a controller Telnet/SSH CLI session. command Specifies that a CLI command is to be executed on the access point. cmd Command to be executed. Note The command to be executed must be enclosed in double quotes, such as debug ap command "led flash 30" AP03. The output of the command displays only to the controller console and does not send output to a controller Telnet/SSH CLI session. Name of a Cisco lightweight access point. cisco_ap **Command Default** The remote debugging of Cisco lightweight access points is disabled. **Command History** Release Modification 7.6 This command was introduced in a release earlier than Release 7.6. The following example shows how to enable the remote debugging on access point AP01: (Cisco Controller) >debug ap enable AP01 The following example shows how to execute the config ap location command on access point

(Cisco Controller) >debug ap command "config ap location "Building 1" AP02"

The following example shows how to execute the flash LED command on access point AP03:

(Cisco Controller) >debug ap command "led flash 30" AP03

debug ap enable

To configure the remote debugging of Cisco lightweight access points or to remotely execute a command on a lightweight access point, use the **debug ap enable** command.

debug ap { **enable** | **disable** | **command** *cmd* } *cisco_ap*

Syntax Description	enable	Enables	s the remote debugging.	
		Note	The debugging information is displayed only to the controller console and does not send output to a controller Telnet/SSH CLI session.	
	disable	Disable	es the remote debugging.	
	command		es that a CLI command is to be executed on ess point.	
	cmd	Comma	and to be executed.	
		Note	The command to be executed must be enclosed in double quotes, such as debug ap command "led flash 30" AP03 .	
			The output of the command displays only to the controller console and does not send output to a controller Telnet/SSH CLI session.	
	cisco_ap	Cisco li	ightweight access point name.	
Command Default	- None			
Command History	Release	Modific	cation	
	7.6	This co. Release	mmand was introduced in a release earlier than e 7.6.	
	The following example shows how to enable the remote debugging on access point AP01:			
	(Cisco Controller) >debug ap enable AP01			
	The following example shows how to disable the remote debugging on access point AP02:			
	(Cisco Controller) >debug ap disable AP02			
	The following example shows how to	o execute the flash LED c	command on access point AP03:	

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(Cisco Controller) >debug ap command "led flash 30" AP03

debug ap packet-dump

To configure the debugging of Packet Capture, use the **debug ap packet-dump** command.

debug ap packet-dump { enable | disable }

Syntax Description	enable Enables the debugging of Packet Capture of an access point.		
	disable Disables the debu	gging of Packet Capture of an access point.	
Command Default	Debugging of Packet Captur	e is disabled.	
Command History	Release	Modification	
	7.6	This command was introduced in a release earlier than Release 7.6.	
Usage Guidelines	Packet Capture does not wor	k during inter-Cisco WLC roaming.	
	The Cisco WLC does not capture packets created in the radio firmware and sent out of the access point, such as beacon or probe response. Only packets that flow through the radio driver in the Tx path will be captured.		
	The following example show	s how to enable the debugging of Packet Capture from an access point:	
	(Cisco Controller) >debug ap packet-dump enable		

debug ap show stats

To debug video messages and statistics of Cisco lightweight access points, use the **debug ap show stats** command.

debug ap show stats {802.11a | 802.11b} cisco_ap {tx-queue | packet | load | multicast | client {client_MAC | video | all} | video metrics}

debug ap show stats video *cisco_ap* { multicast mgid *mgid_database_number* | admission | bandwidth }

Syntax Description	802.11a	Specifies the 802.11a network.
	802.11b	Specifies the 802.11b/g network.
	cisco_ap	Cisco lightweight access point name.
	tx-queue	Displays the transmit queue traffic statistics of the AP.
	packet	Displays the packet statistics of the AP.
	load	Displays the QoS Basic Service Set (QBSS) and other statistics of the AP.
	multicast	Displays the multicast supported rate statistics of the AP.
	client	Displays the specified client metric statistics.
	client_MAC	MAC address of the client.
	video	Displays video statistics of all clients on the AP.
	all	Displays statistics of all clients on the AP.
	video metrics	Displays the video metric statistics.
	mgid	Displays detailed multicast information for a single multicast group ID (MGID).
	mgid_database_number	Layer 2 MGID database number.
	admission	Displays video admission control on the AP.
	bandwidth	Displays video bandwidth on the AP.
Command Default	None	
Command History	Release	Modification
	7.6	This command was introduced in a release earlier than Release 7.6.

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The following example shows how to troubleshoot the access point AP01's transmit queue traffic on an 802.11a network:

(Cisco Controller) >debug ap show stats 802.11a AP01 tx-queue

The following example shows how to troubleshoot the access point AP02's multicast supported rates on an 802.11b/g network:

(Cisco Controller) >debug ap show stats 802.11b AP02 multicast

The following example shows how to troubleshoot the metrics of a client identified by its MAC address, associated with the access point AP01 on an 802.11a network:

(Cisco Controller) >debug ap show stats 802.11a APO1 client 00:40:96:a8:f7:98

The following example shows how to troubleshoot the metrics of all clients associated with the access point AP01 on an 802.11a network:

(Cisco Controller) >debug ap show stats 802.11a AP01 client all

debug ap show stats video

To configure the debugging of video messages and statistics of Cisco lightweight access points, use the debug ap show stats video command.

debug ap show stats video *cisco_ap* { multicast mgid *mgid_value* | admission | bandwidth }

Syntax Description	cisco_ap	Cisco lightweight access point name.
	multicast mgid	Displays multicast database related information for the specified MGID of an access point.
	mgid_value	Layer 2 MGID database number from 1 to 4095.
	admission	Displays the video admission control.
	bandwidth	Displays the video bandwidth.
Command Default	None	
Command History	Release Modification	
Command History	11010400	

group that is identified by the group's Layer 2 MGID database number:

(Cisco Controller) >debug ap show stats video AP01 multicast mgid 50

This example shows how to configure the debugging of an access point AP01's video bandwidth:

(Cisco Controller) >debug ap show stats video AP01 bandwidth

debug arp

To configure the debugging of Address Resolution Protocol (ARP) options, use the debug arp command.

debug arp { all | detail | events | message } {enable | disable }

Syntax Description	all	Configures the debugging of all ARP logs.	
	detail	Configures the debugging of ARP detail messages.	
	error	Configures the debugging of ARP errors.	
	message	Configures the debugging of ARP messages.	
	enable	Enables the ARP debugging.	
	disable	Disables the ARP debugging.	
Command Default	None		
Command History	Release Modification		
	7.6 This command was introduced	l in a release earlier than Release 7.6.	
	The following example shows how to enable ARP debug settings:		
	(Cisco Controller) > debug arp error enable		
	The following example shows how to disable ARP debug settings:		
	(Cisco Controller) > debug arp er :	ror disable	
Related Commands	debug disable-all		
	show sysinfo		

debug avc

To configure the debugging of Application Visibility and Control (AVC) options, use the **debug avc error** command.

eventsConfigures the debugging of AVC events.errorConfigures the debugging of AVC errors.enableEnables the debugging of AVC events or errors.disableDisables the debugging of AVC events or errors.By default, the debugging of AVC options is disabled.ReleaseModification		
enable Enables the debugging of AVC events or errors. disable Disables the debugging of AVC events or errors. By default, the debugging of AVC options is disabled.		
disable Disables the debugging of AVC events or errors. By default, the debugging of AVC options is disabled.		
By default, the debugging of AVC options is disabled.		
Release Modification		
Release Modification		
7.6 This command was introduced in a release earlier than Release 7.6.		
The following example shows how to enable the debugging of AVC errors:		
(Cisco Controller) > debug avc error enable		
(Cisco Controller) > debug avc error enable config avc profile delete		
config avc profile delete		
config avc profile delete config avc profile rule		
config avc profile delete config avc profile rule config wlan avc		

debug bcast

To configure the debugging of broadcast options, use the **debug bcast** command.

Syntax Description	all	Configures the debugging of all broadcast logs.	
	error	Configures the debugging of broadcast errors.	
	message	Configures the debugging of broadcast messages.	
	igmp	Configures the debugging of broadcast IGMP messages.	
	detail	Configures the debugging of broadcast detailed messages.	
	enable	Enables the broadcast debugging.	
	disable	Disables the broadcast debugging.	
Command Default	None		
Command History	Release	Modification	
	7.6	This command was introduced in a release earlier than Release 7.6.	
	The following example shows how to enable the debugging of broadcast messages:		
	(Cisco Controller) > debug bcast message enable		
	The following example shows how to disable the debugging of broadcast mesages:		

Related Commands

debug disable-all

show sysinfo

debug call-control

To configure the debugging of the SIP call control settings, use the debug call-control command.

Syntax Description	all	Configures the debugging options for all SIP call control messages.
	event	Configures the debugging options for SIP call control events.
	enable	Enables the debugging of SIP call control messages or events.
	disable	Disables the debugging of SIP call control messages or events.
Command Default	Disabled.	
Command History	Release	Modification
	7.6	This command was introduced in a release earlier than Release 7.6.

The following example shows how to enable the debugging of all SIP call control messages:

(Cisco Controller) >debug call-control all enable

debug capwap

To configure the debugging of Control and Provisioning of Wireless Access Points (CAPWAP) settings, use the **debug capwap** command.

Syntax Description	detail	Configures the debugging for CAPWAP detail settings.
	dtls-keepalive	Configures the debugging for CAPWAP DTLS data keepalive packets settings.
	errors	Configures the debugging for CAPWAP error settings.
	events	Configures the debugging for CAPWAP events settings.
	hexdump	Configures the debugging for CAPWAP hexadecimal dump settings.
	info	Configures the debugging for CAPWAP info settings.
	packet	Configures the debugging for CAPWAP packet settings.
	payload	Configures the debugging for CAPWAP payload settings.
	mfp	Configures the debugging for CAPWAP mfp settings.
	enable	Enables the debugging of the CAPWAP command.
	disable	Disables the debugging of the CAPWAP command.
Command Default	None	
Command History	Release	Modification
	7.6	This command was introduced in a release earlier than Release 7.6.

(Cisco Controller) >debug capwap detail enable

debug capwap reap

To configure the debugging of Control and Provisioning of Wireless Access Points (CAPWAP) settings on a FlexConnect access point, use the **debug capwap reap** command.

debug capwap reap [mgmt | load]

Syntax Description	mgmt	(Optional) Configures the debugging for client authentication and association messages.
	load	(Optional) Configures the debugging for payload activities, which is useful when the FlexConnect access point boots up in standalone mode.
Command Default	None	
Command History	Release	Modification
	7.6	This command was introduced in a release earlier than Release 7.6.

The following example shows how to configure the debugging of FlexConnect client authentication and association messages:

(Cisco Controller) >debug capwap reap mgmt

Debug Commands: a to i

debug ccxdiag

To configure debugging of Cisco Compatible Extensions (CCX) diagnostic options, use the **debug ccxdiag** command.

Syntax Description		Configures debugging of all the CCV S60 massages	
	all	Configures debugging of all the CCX S69 messages.	
	error	Configures debugging of the CCX S69 errors.	
	event	Configures debugging of the CCX S69 events.	
	packet	Configures debugging of the CCX S69 packets.	
	enable	Enables debugging of the CCX S69 options.	
	disable	Disables debugging of the CCX S69 options.	
Command Default	None		
Command History	Release	Modification	
	7.6	This command was introduced in a release	e earlier than Release 7.6

The following example shows how to enable CCX S69 packets debugging:

(Cisco Controller) >debug ccxdiag packets enable

debug ccxrm

To configure debugging of the CCX Cisco Client eXtension (CCX) Radio Management (RM), use the **debug ccxrm** command.

debug ccxrm {all | detail | error | location-calibration | message | packet | warning} {enable | disable}

 Command History
 Release
 Modification

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

The following example shows how to enable CCX RM debugging:

(Cisco Controller) > debug ccxrm all enable

debug ccxs69

To configure debugging of CCX S69 tasks, use the **debug ccxs69** command.

Syntax Description	all	Configures debugging of all the CCX S69 messages.	
	error	Configures debugging of the CCX S69 errors.	
	event	Configures debugging of the CCX S69 events.	
	enable	Enables debugging of the CCX S69 options.	
	disable	Disables debugging of the CCX S69 options.	
Command Default	None		
Command History	Release	Modification	
	7.6	This command was introduced in a relea	se earlier than Release 7.6.

(Cisco Controller) >debug ccxs69 all enable

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debug cckm

To configure the debugging of the Cisco Centralized Key Management options, use the debug cckm

Syntax Description	client	Configures debugging of the Cisco Centralized Key Management of clients.	
	detailed	Configures detailed debugging of Cisco Centralized Key Management.	
	enable	Enables debugging of Cisco Centralized Key Management.	
	disable	Disables debugging of Cisco Centralized Key Management.	
Command Default	None		
Command History	Release	Modification	
	7.6	This command was introduced in a Release 7.6.	a release earlier tha

The following example shows how to enable detailed debugging of Cisco Centralized Key Management:

(Cisco Controller) > debug cckm detailed enable

debug client

To configure the debugging for a specific client, use the **debug client** command.

 debug client mac_address

 Syntax Description
 mac_address

 mac_address
 MAC address of the client.

 Command Default
 None

 Usage Guidelines
 After entering the debug client mac_address command, if you enter the debug aaa events enable command, then the AAA events logs are displayed for that particular client MAC address.

 Command History
 Release Modification

 7.6
 This command was introduced.

 The following example shows how to debug a specific client:

The following example shows now to debug a speeme enem.

(Cisco Controller) > debug client 01:35:6x:yy:21:00

debug cts aaa

To configure the Cisco TrustSec AAA debug options, use the **debug cts aaa** command.

	uebug cu	aaa {all errors events} {enable disable}		
Syntax Description	all	Configures debugging of all the CTS AAA debug options		
	errors	Configures debugging of all the CTS AAA errors		
	events	Configures debugging of all the CTS AAA events		
	enable	Enables debugging	-	
	disable	Disables debugging		
Command Default	None			
Command History	Release	Modification		
	8.4	This commar	d was introduced.	

debug cts authz

To configure the Cisco TrustSec security group access control list (SGACL) download debug options, use the **debug cts authz** command.

	debug cts authz { aaa all errors events } { enable disable }		
Syntax Description	aaa Configures debugging of CTS AAA policy		
	all	Configures debugging of all the CTS policies	
	errors	Configures debugging of all the CTS policy errors	
	events	Configures debugging of all the CTS policy events	
	enable	Enables debugging	
	disable	Disables debugging	
Command Default	None		
Command History	Release	Modif	ication
	8.4	This c	command was introduced.

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debug cts capwap

To configure the debug options for Cisco TrustSec policy download over CAPWAP messages, use the **debug cts capwap** command.

	debug cts	capwap {messages all errors events} {enable disable}
Syntax Description	messages	Configures debugging of Protected Access Credential (PAC) CAPWAP messages
	all	Configures debugging of all the CTS CAPWAP messages
	errors	Configures debugging of the PAC CAPWAP errors
	events	Configures debugging of the PAC CAPWAP events
	enable	Enables debugging
	disable	Disables debugging
Command Default	None	
Command History	Release	Modification
	8.4	This command was introduced.

debug cts env-data

To configure Cisco TrustSec environment data debugs, use the **debug cts env-data** command.

	debug cts env-data {all errors events} {enable disable}		
Syntax Description	all	Configures debugging of all the CTS environment data	
	errors	Configures debugging of CTS environment data errors	
	events	Configures debugging of CTS environment data events	
	enable	Enables debugging	
	disable	Disables debugging	
Command Default	None		
Command History	Release	Modificati	on
	8.4	This comn	nand was introduced.

debug cts ha

To configure the Cisco TrustSec High Availability (HA) debug options, use the **debug cts ha** command.

	debug cts	s ha {all errors events} {enable	disable }
Syntax Description	all	Configures debugging of all the CTS HA option	ons
	errors	Configures debugging of CTS HA errors	
	events	Configures debugging of CTS HA events	
	enable	Enables debugging	
	disable	Disables debugging	
Command Default	None		
Command History	Release	Ν	Modification
	8.4	Т	This command was introduced.

debug cts key-store

To configure the Cisco TrustSec Key-store debug options, use the **debug cts key-store** command.

	debug cts k	key-store {enable	disable }
Syntax Description	enable I	Enables debugging	
		Disables debugging	
Command Default	None		
Command History	Release		Modification
	8.4		This command was introduced.

debug cts provisioning

To configure the Cisco TrustSec PAC Provisioning debug options, use the debug cts provisioning command.

debug cts provisioning {packets | all | errors | events} {enable | disable} **Syntax Description** packets Configures debugging of PAC provisioning packets all Configures debugging of all the PAC provisioning options Configures debugging of the PAC provisioning errors errors events Configures debugging of the PAC provisioning events enable Enables debugging disable Disables debugging None **Command Default Command History** Release Modification 8.4 This command was introduced.

debug cts sgt

To configure debugging of up to 10 SGTs, use the **debug cts sgt** command.

	debug cts s	gt { <i>sgt-1</i> <i>sgt-2</i> <i>sgt-3</i> <i>sg</i>	$gt-4 \mid sgt-5 \mid sgt-6 \mid sgt-7 \mid sgt-8 \mid sgt-9 \mid sgt-10$
Syntax Description	<i>sgt-1</i> to <i>sgt-10</i>	SGT IDs that you have to enter.	- -
Command Default	None		
Command History	Release		Modification
	8.4		This command was introduced.

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debug cts sxp

To configure debugging of Cisco TrustSec SXP options, use the **debug cts sxp** command.

Syntax Description	all	Configures debugging of all the CTS SXP options	
	errors	Configures debugging of the CTS SXP error	rs
	events	Configures debugging of the CTS SXP even	ts
	framework	Configures debugging of the CTS SXP frame	work
	message	Configures debugging of the CTS SXP mess	sages
	enable	Enables debugging	
	disable	Disables debugging	
Command Default	None		
Command History	Release	Modi	fication
	7.6		command was introduced in a release earlier than use 7.6.

debug cac

To configure the debugging of Call Admission Control (CAC) options, use the debug cac command.

 $debug \ cac \ \ \{all \ \mid \ event \ \mid \ packet\} \ \ \{enable \ \mid \ disable\}$

Syntax Description	all	Configures the debugging options for all CAC messages.			
	event	Configures the debugging options for CAC events.			
	packet	Configures the debugging options for selected CAC packets.			
	kts	Configures the debugging options for KTS-based CAC messages.			
	enable	Enables the debugging of CAC settings.			
	disable	Disables the debugging of CAC settings.			
Command Default	By default, the debugging of CAC options is di	sabled.			
Command History	Release Modification				
	7.6 This command was introduced in a rel	ease earlier than Release 7.6.			
	The following example shows how to enable debugging of CAC settings:				
	(Cisco Controller) > debug cac event enable				
	(Cisco Controller) > debug cac packet en	nable			
Related Commands	config 802.11 cac video acm				
	config 802.11 cac video max-bandwidth				
	config 802.11 video roam-bandwidth				
	config 802.11 cac video tspec-inactivity-timeout				
	config 802.11 cac voice load-based				
	config 802.11 cac voice roam-bandwidth				
	config 802.11cac voice stream-size				
	config 802.11cac voice tspec-inactivity-timeo	ut			

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debug cdp

Syntax Description	events	Configures debugging of the CDP events.	
	packets	Configures debugging of the CDP packets.	
	enable	Enables debugging of the CDP options.	
	disable	Disables debugging of the CDP options.	
Command Default	None		
Command History	Release	Modification	
	7.6	This command was introduced in a release ea	

Debug Commands: a to i

debug crypto

To configure the debugging of the hardware cryptographic options, use the **debug crypto** command.

debug crypto {all | sessions | trace | warning} {enable | disable} **Syntax Description** all Configures the debugging of all hardware crypto messages. sessions Configures the debugging of hardware crypto sessions. trace Configures the debugging of hardware crypto sessions. warning Configures the debugging of hardware crypto sessions. enable Enables the debugging of hardware cryptographic sessions. disable Disables the debugging of hardware cryptographic sessions. None **Command Default Command History Release Modification** 7.6 This command was introduced in a release earlier than Release 7.6. The following example shows how to enable the debugging of hardware crypto sessions: (Cisco Controller) > debug crypto sessions enable debug disable-all **Related Commands** show sysinfo

debug dhcp

To configure the debugging of DHCP, use the **debug dhcp** command.

	debug dhcp {message	packet } { enab	able disable }
Syntax Description	message		Configures the debugging of DHCP error messages.
	packet		Configures the debugging of DHCP packets.
	enable		Enables the debugging DHCP messages or packets.
	disable		Disables the debugging of DHCP messages or packets.
Command Default	None		

The following example shows how to enable the debugging of DHCP messages:

(Cisco Controller) >debug dhcp message enable

debug dhcp service-port

To enable or disable debugging of the Dynamic Host Configuration Protocol (DHCP) packets on the service port, use the **debug dhcp service-port** command.

debug dhcp service-port {enable | disable}

Syntax Description	enable	Enables the debugging of DHCP packets on the service port.
	disable	Disables the debugging of DHCP packets on the service port.
Command Default	None	
Command Default Command History	None Release	Modification

(Cisco Controller) >debug dhcp service-port enable

debug disable-all

To disable all debug messages, use the debug disable-all command.

	debug disable-all		
Syntax Description	This command has no arguments or keywords.		
Command Default	Disabled.		
Command History	Release	Modification	
	7.6	This command was introduced in a release earlier than Release 7.6.	

The following example shows how to disable all debug messages:

```
(Cisco Controller) > debug disable-all
```

debug dns

To configure debugging of Domain Name System (DNS) options, use the debug dns command.

Syntax Description	all	Configures debugging of all the DNS optio	ns.
	detail	Configures debugging of the DNS details.	
	error	Configures debugging of the DNS errors.	
	message	Configures debugging of the DNS messag	es.
	enable	Enables debugging of the DNS options.	
	disable	Disables debugging of the DNS options.	
Command Default	None		
Command History	Release		Modification
	7.6		This command was introduced in a release earlier than Release 7.6.

The following example shows how to enable DNS error debugging:

(Cisco Controller) > debug dns error enable

debug dot11

To configure the debugging of 802.11 events, use the debug dot11 command.

debug dot11 {all | load-balancing | management | mobile | nmsp | probe | rldp | rogue | state} {enable | disable}

Syntax Description	all	Configures the debugging of all 802.11 messages.
	load-balancing	Configures the debugging of 802.11 load balancing events.
	management	Configures the debugging of 802.11 MAC management messages.
	mobile	Configures the debugging of 802.11 mobile events.
	nmsp	Configures the debugging of the 802.11 NMSP interface events.
	probe	Configures the debugging of probe.
	rldp	Configures the debugging of 802.11 Rogue Location Discovery.
	rogue	Configures the debugging of 802.11 rogue events.
	state	Configures the debugging of 802.11 mobile state transitions.
	enable	Enables the 802.11 debugging.
	disable	Disables the 802.11 debugging.
Command Default	None	
Command History	Release	Modification
	7.6	This command was introduced in a release earlier than Release 7.6.

The following example shows how to enable the debugging of 802.11 settings:

(Cisco Controller) > **debug dot11 state enable** (Cisco Controller) > **debug dot11 mobile enable**

debug dot11

To configure the debugging of 802.11 events, use the **debug dot11** command.

debug dot11 {all | load-balancing | management | mobile | nmsp | probe | rldp | rogue | state} {enable | disable}

Syntax Description	all	Configures the debugging of all 802.11 messages.
Oyntax Description		Configures the debugging of an 802.11 messages.
	load-balancing	Configures the debugging of 802.11 load balancing events.
	management	Configures the debugging of 802.11 MAC management messages.
	mobile	Configures the debugging of 802.11 mobile events.
	nmsp	Configures the debugging of the 802.11 NMSP interface events.
	probe	Configures the debugging of probe.
	rldp	Configures the debugging of 802.11 Rogue Location Discovery.
	rogue	Configures the debugging of 802.11 rogue events.
	state	Configures the debugging of 802.11 mobile state transitions.
	enable	Enables the 802.11 debugging.
	disable	Disables the 802.11 debugging.
Command Default	None	
Command History	Release	Modification
	7.6	This command was introduced in a release earlier than Release 7.6.

(Cisco Controller) > **debug dot11 state enable** (Cisco Controller) > **debug dot11 mobile enable**

debug dot11 mgmt interface

To configure debugging of 802.11 management interface events, use the **debug dot11 mgmt interface** command.

	debug dot11 mgmt interface			
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.		
		example shows how to debug 802.11 management interface events:		

(Cisco Controller) >debug dot11 mgmt interface

debug dot11 mgmt msg

To configure debugging of 802.11 management messages, use the debug dot11 mgmt msg command.

	debug dot11 mgmt msg			
Syntax Description	This command	This command has no arguments or keywords.		
Command Default	None	None		
Command History	Release	Modification		

This example shows how to debug dot11 management messages:

(Cisco Controller) >debug dot11 mgmt msg

debug dot11 mgmt ssid

To configure debugging of 802.11 SSID management events, use the debug dot11 mgmt ssid command.

	debug dot11 mgmt ssid			
Syntax Description	This command	This command has no arguments or keywords.		
Command Default	None	None		
Command History	Release Modification			
	7.6	This command was introduced in a release earlier than Release 7.6.		

The following example shows how to configure the debugging of 802.11 SSID management events: (Cisco Controller) >debug dot11 mgmt ssid

debug dot11 mgmt state-machine

To configure debugging of the 802.11 state machine, use the debug dot11 mgmt state-machine command.

 debug dot11 mgmt state-machine

 Syntax Description
 This command has no arguments or keywords.

 Command Default
 None

 Release
 Modification

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

The following example shows how to configure the debugging of 802.11 state machine:

(Cisco Controller) >debug dot11 mgmt state-machine

debug dot11 mgmt station

To configure the debugging of the management station settings, use the debug dot11 mgmt station command.

	debug dot11 mgmt station		
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.	

The following example shows how to configure the debugging of the management station settings: (Cisco Controller) >debug dotl1 mgmt station

debug dot1x

To configure debugging of the 802.1X options, use the **debug dot1x** command.

Command History	Release	Modification
Command Default	None	
	disable	Disables debugging of the 802.1X options.
	enable	Enables debugging of the 802.1X options.
	states	Configures debugging of the 802.1X state transitions.
	packets	Configures debugging of the 802.1X packets.
	events	Configures debugging of the 802.1X events.
	all	Configures debugging of all the 802.1X messages.
Syntax Description	aaa	Configures debugging of the 802.1X AAA interactions.

The following example shows how to enable 802.1X state transitions debugging:

(Cisco Controller) > debug dot1x states enable

debug dtls

To configure debugging of the Datagram Transport Layer Security (DTLS) options, use the **debug dtls** command.

	debug dt	ls {all event packet trace} {en	able disable }
Syntax Description	all	Configures debugging of all the DTLS mess	ages.
	event	Configures debugging of the DTLS events.	
	packet	Configures debugging of the DTLS packets.	
	trace	Configures debugging of the DTLS trace mes	ssages.
	enable	Enables debugging of the DTLS options.	
	disable	Disables debugging of the DTLS options.	
Command Default	None		
Command History	Release	ĺ	Modification
	7.6		This command was introduced in a release earlier than Release 7.6.
Usage Guidelines	The debu	g actions described here are used in conjunction	on with CAPWAP troubleshooting.
	The follo	wing example shows how to enable DTLS parts	sket debugging:
	(Cisco (Controller) > debug dtls packet enable	

debug fastpath

To debug the issues in the 10-Gigabit Ethernet interface of the controller and to view details of all the management and control features of the controller, use the **debug fastpath** command.

debug fastpath [{disable | enable | errors | events | warning | log | status | dump | audit | clear}] debug fastpath log [{error events show}] debug fastpath dump [{stats DP_number} | {fpapoolDP_number} | {ownerdb} | {portdb} | {preauthurl client-mac | 0 | 1 | All} | {tun4dbindexDP_number} | {scbdbindexDP_number} | {cfgtool -- dump.sfp} | {urlacldbstart-acl-id start-rule-index } | {vlandb} | { dpcp-stats} | { clear stats} | {systemdb} | {debug | {wlanappstatswlan_id}} | { appqosdb}]

Syntax Description	disable	Enables debug of fastpath messages.
	enable	Disables debug of fastpath messages.
	errors	Displays the debug messages related to the fastpath errors.
	events	Displays the debug messages related to the fastpath events.
	warnings	Displays the debug messages related to the fastpath warnings.
	log	Configures debug of log messages.
	errors	Configures debug of fastpath errors.
	events	Configures debug of fastpath events.
	show	Displays log of most recent events related to fastpath.
	status	Displays status of fastpath configuration.
	dump	Displays the CLI dump commands.
	stats	Displays the debug statistics from the data plane.
	DP_number	Displays the statistic counters at data plane based on selected data plane number. Values include 0, 1, and All. The default option is All. You must select:
		 The index 0 for the Cisco Wireless LAN Controller 2504 Series, Cisco Wireless LAN Controller 5508 Series, Cisco Wireless LAN Controller 7500 Series, Cisco Wireless LAN Controller 8500 Series. The index 0 and/or 1 respectively for the two
		data planes in WiSM2 to view statistics of individual data plane or from both.

fpapool	Displays statistics of packet buffer in data plane.
DP_number	Displays statistics of packet buffer based on data plane number. Values include 0, 1, and All. The default option is All. You must select:
	 The index 0 for the Cisco Wireless LAN Controller 2504 Series, Cisco Wireless LAN Controller 5508 Series, Cisco Wireless LAN Controller 7500 Series, Cisco Wireless LAN Controller 8500 Series. The index 0 and/or 1 respectively for the two data planes in WiSM2 to view statistics of individual data plane or from both.
ownerdb	Displays the data plane owner information.
portdb	Displays the port database at data plane.
preauthurl	Preauth URL learned IPs.
client-mac	MAC address of the client.
0 1 All	Dataplane options.
tun4db	Dumps the first 20 tunnels from the data plane.
index	Dumps 20 tunnel entries from index provided. You must use data plane number 0/1 to denote WISM2 data plane processor.
DP_number	Dumps the first twenty client entries from the data plane. Values include 0, 1, and All. The default option is All. You must select:
	 The index 0 for the Cisco Wireless LAN Controller 2504 Series, Cisco Wireless LAN Controller 5508 Series, Cisco Wireless LAN Controller 7500 Series, Cisco Wireless LAN Controller 8500 Series.
	• The index 0 and/or 1 respectively for the two data planes in WiSM2 to view statistics of individual data plane or from both.
scbdb	Dumps 20 client entries starting from index provided. You must use data plane number 0/1 to denote WISM2 data plane processor.
index	Dumps client information for the selected MAC address.

	DP_number		Dumps the first twenty client entries from the data plane. Values include 0, 1, and All. The default option is All. You must select:
			 The index 0 for the Cisco Wireless LAN Controller 2504 Series, Cisco Wireless LAN Controller 5508 Series, Cisco Wireless LAN Controller 7500 Series, Cisco Wireless LAN Controller 8500 Series. The index 0 and/or 1 respectively for the two data planes in WiSM2 to view statistics of individual data plane or from both.
	cfgtool dump.sf)	Displays the model/type of SX/LC/T small form-factor plug-in (SFP) modules with the OUI Partnumber.
	urlacldb start-acl	id start-rule-index	Dumps the URL ACL database.
	vlandb		Dumps the VLAN database in the dataplane.
	dpcp-stats		Displays the dataplane to controlplane message statistics.
	clear stats		Clears the data plane statistic counters.
	systemdb		Displays the global data plane configuration.
	debug		Displays the few latest messages of the data plane to enable troubleshooting.
	wlanappstats		Displays Application Visibility and Control (AVC) statistics of a WLAN.
	wlan_id		The WLAN identifier of the WLAN you need identify the AVC statistics.
	appqosdb		Displays Application Visibility and Control (AVC) database statistics of the data plane.
	clear		Clear command.
Command Default	None		
Command History	Release Modificati	on	
	7.6 This comm	hand was introduced in a relea	ase earlier than Release 7.6.
	8.3 This comm	hand was enhanced in this rele	ease. The new keyword added is urlacldb
	8.6 This comm	hand was enhanced in this rele	ase. The new keyword added is preauthurl.
Usage Guidelines	None		

Examples

The following is an example of the SX/LC/T small form-factor plug-in (SFP) modules model/type with the respective OUI Partnumber.

(Cisco Controller) >debug fastpath status

The following is an example of the fastpath status displayed while you execute the status command.

(Cisco Controller) >debug fastpath status

```
FP0.03: (119115) Received command: FP_CMD_ACL_COUNTER_GET
FP0.00: (119115) Received command: FP_CMD_ACL_COUNTER_GET
FP0.06: (119115) Received command: FP_CMD_ACL_COUNTER_GET
FP0.05: (119115) Received command: FP_CMD_ACL_COUNTER_GET
FP0.06: (119115) Received command: FP_CMD_ACL_COUNTER_GET
FP0.03: (119115) Received command: FP_CMD_ACL_COUNTER_GET
FP0.06: (119115) Received command: FP_CMD_ACL_COUNTER_GET
FP0.07: (119125) Received command: FP_CMD_ACL_COUNTER_GET
FP0.04: (119125) Received command: FP_CMD_ACL_COUNTER_GET
FP0.03: (119125) Received command: FP_CMD_ACL_COUNTER_GET
```

The following is an example of the fastpath errors displayed while you execute the debug fastpath log errors command.

(Cisco Controller) >debug fastpath log errors

FP0.04:(873365)[fp_ingress_capwap:429]Discarding Control/Data
Plane DTLS-Application packets after Lookup Failed
FP0.02:(873418)Change logDebugLevel from: 0x1e to 0x9

The following is an example of the fastpath events displayed while you execute the debug fastpath log events command.

(Cisco Controller) >debug fastpath log events

FP0.09:(873796)[fp_ingress_capwap:429]Discarding Control/Dat a Plane DTLS-Application packets after Lookup Failed FP0.06:(873921)Change logDebugLevel from: 0x9 to 0x1e

The following is an example displayed while you execute the debug fastpath log show command.

(Cisco Controller) >debug fastpath log show

```
FP0.07:(874033)Change logDebugLevel from: 0x1e to 0x9
Fastpath CPU0.02: FAST CACHE DISABLED
Fastpath CPU0.02: FAST CACHE ENABLED
Fastpath CPU0.00: Received command: FP_CMD_ADD_AP
Fastpath CPU0.05: Received command: FP_CMD_DEL_TUN4 ifTun=1113
```

Fastpath CPU0.03: Received command: FP CMD DEL TUN4 ifTun=3161 Fastpath CPU0.03: Received command: FP CMD DEL AP FP0.02:[cmdDelMcastRgTun:6733]failed to delete mcast rg tun 0 ifTun=3161 FP0.07: [fp ingress capwap: 429] Discarding Control/Data Plane DTLS-Application packets after Lookup Failed FP0.01: [fp ingress capwap: 429] Discarding Control/Data Plane DTLS-Application packets after Lookup Failed Fastpath CPU0.01: Received command: FP CMD ADD TUN4 type=CAPWAP ifTun=1114 dstIP =9.4.110.100 dstMac=2037.06e2.5ec4 dstIPv6= 0000:0000:0000:0000:0000:0000:0000 Fastpath CPU0.01: Tunnel 1114 srcip=9041820 dstip=9046e64 xor=0x7644(30276) LAG Offset=0,0,0,0,1,0,1,4 Fastpath CPU0.09: Received command: FP CMD ADD TUN4 type=CAPWAP ifTun=3162 dstIP =9.4.110.100 dstMac=2037.06e2.5ec4 dstIPv6= 0000:0000:0000:0000:0000:0000:0000 Fastpath CPU0.09: Tunnel 3162 srcip=9041820 dstip=9046e64 xor=0x7644(30276) LAG Offset=0,0,0,0,1,0,1,4 Fastpath CPU0.00: Received command: FP CMD SET INTERFACE MTU Fastpath CPU0.00: FAST CACHE DISABLED Fastpath CPU0.00: FAST CACHE ENABLED Fastpath CPU0.00: Received command: FP CMD ADD AP Fastpath CPU0.03: Received command: FP CMD UPDATE EOIP for index=5122 Fastpath CPU0.02: Received command: FP CMD UPDATE EOIP for index=5122 Fastpath CPU0.00: Received command: FP CMD DEL TUN4 ifTun=1114 Fastpath CPU0.03: Received command: FP CMD DEL TUN4 ifTun=3162 Fastpath CPU0.03: Received command: FP CMD DEL AP FP0.04:[cmdDelMcastRgTun:6733]failed to delete mcast rg tun 0 ifTun=3162

debug flexconnect avc

To debug a Flexconnect Application Visibility and Control (AVC) event, use the **debug flexconnect avc** command.

debug flexconnect ave {event | error | detail} {enable | disable}

Syntax Description	event	Debugsa FlexConnect AVC event
	error	Debugs a FlexConnect AVC error
	detail	Debugs a FlexConnect AVC detail
	enable	Enables debug.
	disable	Disables debug.
Command Default	None	
Command History	Release	Modification
	8.1	This command was introduced.

The following example shows how to enable a debug action for an event: (Cisco Controller) >debug flexconnect avc event enable

debug flexconnect aaa

To configure debugging of FlexConnect backup RADIUS server events or errors, use the **debug flexconnect aaa** command.

debug flexconnect aaa {event | error} {enable | disable}

Syntax Description	event	Configures the debugging for FlexConnect RADIUS server events.
	error	Configures the debugging for FlexConnect RADIUS server errors.
	enable	Enables the debugging of FlexConnect RADIUS server settings.
	disable	Disables the debugging of FlexConnect RADIUS server settings.
Command Default	None	
Command History	Release	Modification
	7.6	This command was introduced in a release earlier than Release 7.6.

The following example shows how to enable the debugging of FlexConnect RADIUS server events:

(Cisco Controller) >debug flexconnect aaa event enable

debug flexconnect acl

Configures debugging of FlexConnect access control lists (ACLs), use the debug flexconnect acl command.

debug flexconnect acl {enable | disable}

Syntax Description	enable	Enables the debugging of FlexConnect ACLs.
	disable	Disables the debugging of FlexConnect ACLs.
Command Default	None	
Command History	Release	Modification
	7.6	This command was introduced in a release earlier than Release 7.6.

The following example shows how to enable the debugging of FlexConnect ACLs:

(Cisco Controller) >debug flexconnect acl enable

debug flexconnect cckm

Configure debugging of FlexConnect Cisco Centralized Key Management (CCKM) fast roaming, use the **debug flexconnect cckm** command.

debug flexconnect cckm { enable | disable }

Syntax Description	enable	Enables the debugging of FlexConnect CCKM fast roaming settings.
	disable	Disables the debugging of FlexConnect CCKM fast roaming settings.
	_	
Command Default	None	
Command Default Command History	None Release	Modification

(Cisco Controller) >debug flexconnect cckm event enable

debug group

To configure the debugging of access point groups, use the debug group command.

debug group {enable disable	e }
enable	Enables the debugging of access point groups.
disable	Disables the debugging of access point groups.
None	
Release	Modification
7.6	This command was introduced in a release earlier than Release 7.6.
	enable disable None Release

The following example shows how to enable the debugging of access point groups:

(Cisco Controller) >debug group enable

debug fmchs

To configure debugging of Fixed Mobile Convergence Handover Service (FMCHS) of the controller, use the **debug fmchs**command.

	debug fn	nchs {all error event nmsp packet	} { enable disable }
Syntax Description	all	Configures debugging of all FMCHS messages.	_
	error	Configures debugging of the FMCHS errors.	_
	event	Configures debugging of the FMCHS events.	_
	nmsp	Configures debugging of the FMCHS NMSP events	
	packet	Configures debugging of the FMCHS packets.	_
	enable	Enables debugging of the FMCHS options.	_
	disable	Disables debugging of the FMCHS options.	_
Command Default	None		
Command History	Release	Modifi	cation
	7.6	This co Releas	mmand was introduced in a release earlier than e 7.6.

The following example shows how to enable FMCHS event debugging:

(Cisco Controller) >debug fmchs event enable

debug flexconnect client ap

To debug FlexConnect client access point MAC addresses, use the debug flexconnect client ap command.

debug flexconnect client ap *ap-name* {**add** | **delete**} *MAC-address1 MAC-address2 MAC-address3 MAC-address4*

Syntax Description	add	Adds the MAC address to the group.
	delete	Deletes the MAC address from the group.
	MAC-address	MAC address of the client
Command Default	None	
Command History	Release Mod	ification

8.1 This command was added

The following example shows how to debug FlexConnect client ap 'room' MAC addresses:

(Cisco Controller) >debug flexconnect client ap room add 00.0c.41.07.33.a6 0A.0c.52.17.97.b6

debug flexconnect client ap syslog

To configure debug logging of the syslog server for a FlexConnect client AP, use the **debug flexconnect client ap** command.

	debug flexc	onnect client ap ap-nam	e syslog {ip-addre	ss disable }
Syntax Description	ip-address	Configures the syslog s	erver ip-address for o	debug logging.
	disable	Disables the debug log	ging to the syslog se	rver.
Command Default	None			
Command History	Release Mo	odification		
	8.1 Th	is command was added.		

The following example shows how to configure syslog server for debug log for the FlexConnect client AP 'room':

(Cisco Controller) >debug flexconnect client ap room syslog 192.168.1.1

debug flexconnect client group

To debug FlexConnect client group MAC addresses, use the debug flexconnect client group command.

debug flexconnect client group group-name {**add** | **delete**} MAC-address1 MAC-address2 MAC-address3 MAC-address4

Syntax Description	add	Adds the MAC addre	ess to the group.
	delete	Deletes the MAC add	dress from the group.
	MAC-address MAC address of the client.		
Command Default	None		
Command History	Release	Modification	-
	8.1	This command was added.	-

The following example shows how to debug FlexConnect client group MAC addresses:

(Cisco Controller) >debug flexconnect client group school add 00.0c.41.07.33.a6 0A.0c.52.17.97.b6

debug flexconnect client group syslog

To debug FlexConnect group access point syslog, use the debug flexconnect client group command.

debug flexconnect client group group-name **syslog** ip-address | disable

Syntax Description	ip-address	Configures the syslog s	erver ip-address for debug logging.
	disable	Disables the debug log	ging to the syslog server.
Command Default	None		
Command History	Release Mo	odification	
	8.1 Th	is command was added.	

The following example shows how to configure FlexConnect client group 'school' for debug logging purposes:

(Cisco Controller) >debug flexconnect client group school syslog 192.168.1.1

debug flexconnect group

To configure debugging of FlexConnect access point groups, use the debug flexconnect group command.

debug flexconnect group { enable | disable }

Syntax Description	enable	Enables the debugging of FlexConnect access point groups.
	disable	Disables the debugging of FlexConnect access point groups.

Command Default None

Command History

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

The following example shows how to enable the debugging of FlexConnect access point groups:

(Cisco Controller) >debug flexconnect group enable

debug ft

To configure debugging of 802.11r, use the **debug ft** command.

	debug ft	{events keys} {enable disable}
Syntax Description	events	Configures debugging of the 802.11r events.
	keys	Configures debugging of the 802.11r keys.
	enable	Enables debugging of the 802.11r options.
	disable	Disables debugging of the 802.11r options.

Command Default None

Command History

ReleaseModification7.6This command was introduced in a release earlier than Release 7.6.

The following example shows how to enable 802.11r debugging:

(Cisco Controller) >debug ft events enable

debug hotspot

To configure debugging of HotSpot events or packets, use the debug hotspot command.

	debug hotspot	{events packets} {enable disable} {enable disable}
Syntax Description	events	Configures debugging of HotSpot events.
	packets	Configures debugging of HotSpot packets.
	enable	Enables the debugging of HotSpot options.
	disable	Disables the debugging of HotSpot options.
Command Default	None	
Command History	Release	Modification
	7.6	This command was introduced in a release earlier than Release 7.6.

The following example shows how to enable debugging of hotspot events:

(Cisco Controller) >debug hotspot events enable

debug ipv6

To configure debugging of IPv6 options, use the **debug ipv6** command.

Syntax Description	all	Configures debugging of all the IPv6 information.
	bt	Configures debugging of the IPv6 neighbor binding table.
	classifier	Configures debugging of the IPv6 packet classifiers.
	errors	Configures debugging of the IPv6 errors.
	events	Configures debugging of the IPv6 events.
	filter	Configures filters for the IPv6 debugs.
	fsm	Configures debugging of the IPv6 finite state machine (FSM).
	gleaner	Configures debugging of the IPv6 gleaner. Learning of entries is called gleaning
	hwapi	Configures debugging of the IPv6 hardware APIs.
	memory	Configures debugging of the IPv6 binding table memory usage.
	ndsuppress	Configures debugging of the suppressed IPv6 neighbor discoveries.
	parser	Configures debugging of the IPv6 parser.
	policy	Configures debugging of the IPv6 policies.
	ra_throttler	Configures debugging of the IPv6 router advertising throttler.
	switcher	Configures debugging of the IPv6 switcher.
	enable	Enables debugging of the IPv6 options.
	disable	Disables debugging of the IPv6 options.
ommand Default	None	
ommand History	Release	Modification
	7.6	This command was introduced in a release earlier than Release 7.6.

The following example shows how to configure the debugging of IPv6 policies:

(Cisco Controller) >debug ipv6 policy enable

I