Debug Commands: r to z

debug rbcp

To configure Router Blade Control (RBCP) debug options, use the **debug rbcp** command.

debug rbcp {**all** | **detail** | **errors** | **packet**} {**enable** | **disable**}

Syntax Description		
	all	Configures the debugging of RBCP.
	detail	Configures the debugging of RBCP detail.
	errors	Configures the debugging of RBCP errors.
	packet	Configures the debugging of RBCP packet trace.
	enable	Enables the RBCP debugging.
	disable	Disables the RBCP debugging.

Command Default None

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

```
(Cisco Controller) > debug rbcp packet enable
```

Related Commands **debug disable-all**

debug rfid

To configure radio frequency identification (RFID) debug options, use the **debug rfid** command.

debug rfid {**all** | **detail** | **errors** | **nmsp** | **receive**} {**enable** | **disable**}

Syntax Description		
	all	Configures the debugging of all RFID.
	detail	Configures the debugging of RFID detail.
	errors	Configures the debugging of RFID error messages.
	nmsp	Configures the debugging of RFID Network Mobility Services Protocol (NMSP) messages.
	receive	Configures the debugging of incoming RFID tag messages.
	enable	Enables the RFID debugging.
	disable	Disables the RFID debugging.

Command Default None

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

```
(Cisco Controller) > debug rfid errors enable
```

Related Commands **debug disable-all**

debug snmp

To configure SNMP debug options, use the **debug snmp** command.

debug snmp {**agent** | **all** | **mib** | **trap**} {**enable** | **disable**}

Syntax Description

agent	Configures the debugging of the SNMP agent.
all	Configures the debugging of all SNMP messages.
mib	Configures the debugging of the SNMP MIB.
trap	Configures the debugging of SNMP traps.
enable	Enables the SNMP debugging.
disable	Disables the SNMP debugging.

Command Default None

Command History

Release	Modification
8.3	This command was introduced.

The following example shows how to enable the SNMP debugging:

```
(Cisco Controller) > debug snmp trap enable
```

Related Commands **debug disable-all**

debug transfer

To configure transfer debug options, use the **debug transfer** command.

debug transfer {**all** | **tftp** | **trace**} {**enable** | **disable**}

Syntax Description		
all	Configures the debugging of all transfer messages.	
tftp	Configures the debugging of TFTP transfers.	
trace	Configures the debugging of transfer messages.	
enable	Enables the debugging of transfer messages.	
disable	Disables the debugging of transfer messages.	

Command Default None

Command History	Release	Modification
	8.3	This command was introduced.

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

```
(Cisco Controller) > debug transfer trace enable
```

Related Commands **debug disable-all**

debug voice-diag

To trace call or packet flow, use the **debug voice-diag** command.

debug voice-diag {**enable** *client_mac1* [*client_mac2*] [**verbose**] | **disable**}

Syntax Description	enable	Enables the debugging of voice diagnostics for voice clients involved in a call.
	client_mac1	MAC address of a voice client.
	client_mac2	(Optional) MAC address of an additional voice client.
		Note Voice diagnostics can be enabled or disabled for a maximum of two voice clients at a time.
	verbose	(Optional) Enables debug information to be displayed on the console.
		Note When voice diagnostics is enabled from the NCS or Prime Infrastructure, the verbose option is not available.
	disable	Disables the debugging of voice diagnostics for voice clients involved in a call.

Command Default None

Usage Guidelines Follow these guidelines when you use the **debug voice-diag** command:

- When the command is entered, the validity of the clients is not checked.

- A few output messages of the command are sent to the NCS or Prime Infrastructure.

- The command expires automatically after 60 minutes.

- The command provides the details of the call flow between a pair of client MACs involved in an active call.

✎
Note Voice diagnostics can be enabled for a maximum of two voice clients at a time.

Command History	Release	Modification
	8.3	This command was introduced.

The following example shows how to enable transfer/upgrade settings:

```
(Cisco Controller) > debug voice-diag enable 00:1a:a1:92:b9:5c 00:1a:a1:92:b5:9c verbose
```

Related Commands **show client voice-diag**

show client calls

debug wcp

To configure the debugging of WLAN Control Protocol (WCP), use the **debug wcp** command.

debug wcp {**events** | **packet**} {**enable** | **disable**}

Syntax Description	**events** — Configures the debugging of WCP events.
	packet — Configures the debugging of WCP packets.
	enable — Enables the debugging of WCP settings.
	disable — Disables the debugging of WCP 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 WCP settings:

```
(Cisco Controller) >debug wcp packet enable
```

debug web-auth

To configure debugging of web-authenticated clients, use the **debug web-auth** command.

debug web-auth {**redirect**{ **enable mac** *mac_address* | **disable**} | **webportal-server** {**enable** | **disable**}}

Syntax Description		
redirect		Configures debugging of web-authenticated and redirected clients.
enable		Enables the debugging of web-authenticated clients.
mac		Configures the MAC address of the web-authenticated client.
mac_address		MAC address of the web-authenticated client.
disable		Disables the debugging of web-authenticated clients.
webportal-server		Configures the debugging of portal authentication of clients.

Command Default   None

Command History

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

Command History

Release	Modification
8.3	This command was introduced.

The following example shows how to enable the debugging of a web authenticated and redirected client:

```
(Cisco Controller) > debug web-auth redirect enable mac xx:xx:xx:xx:xx:xx
```

debug wips

To configure debugging of wireless intrusion prevention system (WIPS), use the **debug wips** command.

debug wips {**all** | **error** | **event** | **nmsp** | **packet**} {**enable** | **disable**}

Syntax Description		
	all	Configures debugging of all WIPS messages.
	error	Configures debugging of WIPS errors.
	event	Configures debugging of WIPS events.
	nmsp	Configures debugging of WIPS Network Mobility Services Protocol (NMSP) events.
	packet	Configures debugging of WIPS packets.
	enable	Enables debugging of WIPS.
	disable	Disables debugging of WIPS.

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 all WIPS messages:

```
(Cisco Controller) > debug wips all enable
```

Related Commands **debug client**

debug dot11 rogue

show wps summary

show wps wips

debug wps sig

To configure the debugging of Wireless Provisioning Service (WPS) signature settings, use the **debug wps sig** command.

debug wps sig {**enable** | **disable**}

Syntax Description		
	enable	Enables the debugging for WPS settings.
	disable	Disables the debugging for WPS 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 WPS signature settings:

```
(Cisco Controller) > debug wps sig enable
```

Related Commands

debug wps mfp

debug disable-all

debug wps mfp

To configure the debugging of WPS Management Frame Protection (MFP) settings, use the **debug wps mfp** command.

debug wps mfp {**client** | **capwap** | **detail** | **report** | **mm**} {**enable** | **disable**}

Syntax Description		
	client	Configures the debugging for client MFP messages.
	capwap	Configures the debugging for MFP messages between the controller and access points.
	detail	Configures the detailed debugging for MFP messages.
	report	Configures the debugging for MFP reporting.
	mm	Configures the debugging for MFP mobility (inter-Cisco WLC) messages.
	enable	Enables the debugging for WPS MFP settings.
	disable	Disables the debugging for WPS MFP 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 WPS MFP settings:

```
(Cisco Controller) > debug wps mfp detail enable
```

Related Commands **debug disable-all**

debug wps sig