



## Debug Commands: r to z

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# debug rbc

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

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

## Syntax Description

<b>all</b>	Configures the debugging of RBCP.
<b>detail</b>	Configures the debugging of RBCP detail.
<b>errors</b>	Configures the debugging of RBCP errors.
<b>packet</b>	Configures the debugging of RBCP packet trace.
<b>enable</b>	Enables the RBCP debugging.
<b>disable</b>	Disables the RBCP debugging.

## Command Default

None

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

```
(Cisco Controller) > debug rbc 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

<b>all</b>	Configures the debugging of all RFID.
<b>detail</b>	Configures the debugging of RFID detail.
<b>errors</b>	Configures the debugging of RFID error messages.
<b>nmsp</b>	Configures the debugging of RFID Network Mobility Services Protocol (NMSP) messages.
<b>receive</b>	Configures the debugging of incoming RFID tag messages.
<b>enable</b>	Enables the RFID debugging.
<b>disable</b>	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

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

## Command Default

None

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

<b>all</b>	Configures the debugging of all transfer messages.
<b>tftp</b>	Configures the debugging of TFTP transfers.
<b>trace</b>	Configures the debugging of transfer messages.
<b>enable</b>	Enables the debugging of transfer messages.
<b>disable</b>	Disables the debugging of transfer messages.

## Command Default

None

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

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

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		
<b>redirect</b>		Configures debugging of web-authenticated and redirected clients.
<b>enable</b>		Enables the debugging of web-authenticated clients.
<b>mac</b>		Configures the MAC address of the web-authenticated client.
<i>mac_address</i>		MAC address of the web-authenticated client.
<b>disable</b>		Disables the debugging of web-authenticated clients.
<b>webportal-server</b>		Configures the debugging of portal authentication of clients.
<b>Command Default</b>	None	
<b>Command History</b>	<b>Release</b>	<b>Modification</b>
	7.6	This command was introduced in a release earlier than Release 7.6.

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		
	<b>all</b>	Configures debugging of all WIPS messages.
	<b>error</b>	Configures debugging of WIPS errors.
	<b>event</b>	Configures debugging of WIPS events.
	<b>nmsp</b>	Configures debugging of WIPS Network Mobility Services Protocol (NMSP) events.
	<b>packet</b>	Configures debugging of WIPS packets.
	<b>enable</b>	Enables debugging of WIPS.
	<b>disable</b>	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		
	<b>enable</b>	Enables the debugging for WPS settings.
	<b>disable</b>	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		
<b>client</b>		Configures the debugging for client MFP messages.
<b>capwap</b>		Configures the debugging for MFP messages between the controller and access points.
<b>detail</b>		Configures the detailed debugging for MFP messages.
<b>report</b>		Configures the debugging for MFP reporting.
<b>mm</b>		Configures the debugging for MFP mobility (inter-Cisco WLC) messages.
<b>enable</b>		Enables the debugging for WPS MFP settings.
<b>disable</b>		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**

