



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

| | |
|----------------|--|
| 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 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

| | |
|----------------|--|
| 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

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

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. |
| <i>client_mac1</i> | MAC address of a voice client. |
| <i>client_mac2</i> | (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.

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. |
| <i>mac_address</i> | | 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. |

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**

