

Debug Commands: 802.11

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debug 11k

To configure the debugging of 802.11k settings, use the **debug 11k** command.

debug 11k { **all** | **detail** | **errors** | **events** | **history** | **optimization** | **simulation** } { **enable** | **disable** }

Syntax Description

all	Configures the debugging of all 802.11k messages.
detail	Configures the debugging of 802.11k details.
errors	Configures the debugging of 802.11k errors.
events	Configures the debugging of all 802.11k events.
history	Configures the debugging of all 802.11k history. The controller collects roam history of the client.
optimization	Configures the debugging of 802.11k optimizations. You can view optimization steps of neighbor lists.
simulation	Configures the debugging of 802.11k simulation data. You can view details of client roaming parameters and import them for offline simulation.
enable	Enables the 802.1k debugging.
disable	Disables the 802.1k debugging.

Command Default

None.

Command History

Release	Modification
8.3	This command was introduced.

This example shows how to enable the debugging of 802.11k simulation data:

```
(Cisco Controller) >debug 11k simulation enable
```

Related Commands

config assisted-roaming

config wlan assisted-roaming

show assisted-roaming

debug 11w-pmf

To configure the debugging of 802.11w, use the **debug 11w-pmf** command.

debug 11w-pmf {**all** | **events** | **keys**} {**enable** | **disable**}

Syntax Description

all	Configures the debugging of all 802.11w messages.
keys	Configures the debugging of 802.11w keys.
events	Configures the debugging of 802.11w events.
enable	Enables the debugging of 802.1w options.
disable	Disables the debugging of 802.1w options.

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 802.11w keys:

```
(Cisco Controller) >debug 11w-pmf keys enable
```

debug 11v all

To configure the 802.11v debug options, use the **debug 11v all** command.

debug 11v all {**enable | disable**}

Syntax Description

enable	Enables all the debug.
disable	Disables all the debug.

Command Default

None

Command History

Release	Modification
8.1	This command was introduced.

Command History

Release	Modification
8.3	This command was introduced.

The following example shows how to enable all the debug:

```
(Cisco Controller) >debug 11v all enable
```

debug 11v detail

To configure the 802.11v debug details, use the **debug 11v detail** command.

debug 11v detail {**enable | disable**}

Syntax Description

enable	Enables debug details.
disable	Disables debug details.

Command Default

None

Command History

Release	Modification
8.1	This command was introduced.

Command History

Release	Modification
8.3	This command was introduced.

The following example shows how to enable 802.11v debug details:

```
(Cisco Controller) >debug 11v detail enable
```

debug 11v error

To configure the 802.11v error debug options, use the **debug 11v errors** command.

debug 11v errors {**enable** | **disable**}

Syntax Description

enable	Enables error debug.
disable	Disables error debug.

Command Default

None

Command History

Release	Modification
8.1	This command was introduced.

Command History

Release	Modification
8.3	This command was introduced.

The following example shows how to enable 802.11v error debug:

```
(Cisco Controller) >debug 11v error enable
```

debug 11w-pmf

To configure the debugging of 802.11w, use the **debug 11w-pmf** command.

debug 11w-pmf {**all** | **events** | **keys**} {**enable** | **disable**}

Syntax Description

all	Configures the debugging of all 802.11w messages.
keys	Configures the debugging of 802.11w keys.
events	Configures the debugging of 802.11w events.
enable	Enables the debugging of 802.1w options.
disable	Disables the debugging of 802.1w options.

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 802.11w keys:

```
(Cisco Controller) >debug 11w-pmf keys enable
```