VideoStream Commands

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ap dot11 media-stream multicast-direct

To configure multicast-direct for 2.4-GHz/5-GHz band, use the **ap dot11 media-stream multicast-direct** command.

ap dot11 {**24ghz** | **5ghz**} **media-stream** {**multicast-direct** {**admission-besteffort** | **client-maximum** *value* | **radio-maximum** *value*} | **video-redirect**}

Syntax Description

multicast-direct	Configure multicast-direct for 802.11 band
admission-besteffort	Admits media stream to best-effort queue.
client-maximum *value*	Specifies the maximum number of streams allowed on a client.
radio-maximum *value*	Specifies the maximum number of streams allowed on a 2.4-GHz or a 5-GHz band.
video-redirect	Redirect non Multicast-direct video to BestEffort queue over the air.

Command Default

None

Command Modes

config

Command History

Release	Modification
Cisco IOS XE 3.2SE	This command was introduced.

Command History

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

Usage Guidelines

Before you configure the media stream multicast-direct parameters on a 802.11 network, ensure that the network is nonoperational.

Examples

The following example shows how to configure multicast-direct for the 2.4-GHz band.

```
(Cisco Controller) >Device#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Device(config)#ap dot11 24ghz media-stream multicast-direct
```

Related Topics

wireless media-stream multicast-direct, on page 4

show ap dot11

To display 802.11 band parameters, use the **show ap dot11** command.

show ap dot11 {**24ghz** | **5ghz**} {**media-stream rrc** | **network** | **profile** | **summary**}

Syntax Description

media-stream rrc	Displays Media Stream configurations.
network	Shows network configuration.
profile	Shows profiling information for all Cisco APs.
summary	Shows configuration and statistics of 802.11b and 802.11a Cisco APs.

Command Default

None

Command Modes

User EXEC command mode or Privileged EXEC command mode

Command History

Release	Modification
Cisco IOS XE 3.2SE	This command was introduced.

Command History

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

Usage Guidelines

None.

The following is a sample output of the **show ap dot11 24ghz media-stream rrc** command.

```
Device#show ap dot11 24ghz media-stream rrc
```

```
Multicast-direct                : Disabled
Best Effort                     : Disabled
Video Re-Direct                 : Disabled
Max Allowed Streams Per Radio     : Auto
Max Allowed Streams Per Client    : Auto
Max Video Bandwidth              : 0
Max Voice Bandwidth              : 75
Max Media Bandwidth              : 85
Min PHY Rate (Kbps)              : 6000
Max Retry Percentage             : 80
```

Related Topics

wireless media-stream, on page 4

show wireless media-stream group

To display the wireless media-stream group information, use the **show wireless media-stream group** command.

show wireless media-stream group {**detail** *groupName* | **summary**}

Syntax Description

detail *groupName*	Display media-stream group configuration details of the group mentioned in the command.
summary	Display media-stream group configuration summary

Command Default

None

Command Modes

User EXEC mode or Privileged EXEC mode

Command History

Release	Modification
Cisco IOS XE 3.2SE	This command was introduced.

Command History

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

Usage Guidelines

None.

The following is a sample output of the **show wireless media-stream group detail GRP1** command.

```
Device#show wireless media-stream group detail GRP1
```

Related Topics

wireless media-stream, on page 4

wireless media-stream multicast-direct

To configure multicast-direct status, use the **media-stream multicast-direct** command. To remove the multicast-direct status, use the no form of the command.

no wireless media-stream multicast-direct

Command Default None

Command Modes config

Command History

Release	Modification
Cisco IOS XE 3.2SE	This command was introduced.

Command History

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

Usage Guidelines Media stream multicast-direct requires load based Call Admission Control (CAC) to run. WLAN quality of service (QoS) needs to be set to either gold or platinum.

Examples

The following example shows how to configure multicast-direct for a wireless LAN media stream.

```
Device#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Device(config)#wireless media-stream multicast-direct
```

wireless media-stream

To configure various parameters, use the **wireless media-stream** command.

wireless media-stream group *groupName* [*startipAddr endipAddr*]

wireless media-stream group{ `avg-packet-size default exit max-bandwidth no policy qos`}

wireless media-stream {**multicast-direct** | **message** [{**phone** *phone* | **URL** *URL* | **Notes** *Notes* | **Email** *Email*}]}

Syntax Description

group *groupName*	Configure multicast-direct status for a group.
startipAddr	Specifies the start IP Address for the group.
endipAddr	Specifies the End IP Address for the group.

group *avg-packet-size*	Configure average packet size.
group *default*	Set a command to its defaults.
group *exit*	Exit sub-mode.
group *max-bandwidth*	Configure maximum expected stream bandwidth in Kbps.
group *no*	Negate a command or set its defaults.
group *policy*	Configure media stream admission policy.
group *qos*	Configure over the air QoS class, <'video'> ONLY.
multicast-direct	Configure multicast-direct status.
message	Configure Session Announcement Message.
phone *phone*	Configure Session Announcement Phone number.
URL *URL*	Configure Session Announcement URL.
Notes *Notes*	Configure Session Announcement notes.
Email *Email*	Configure Session Announcement Email.

Command Default

Disabled

Command Modes

config

Command History

Release	Modification
Cisco IOS XE 3.2SE	This command was introduced.

Command History

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

Usage Guidelines

Media-stream multicast-direct requires load-based Call Admission Control (CAC) to run.

Examples

The following example shows how to configure each media stream and its parameters like expected multicast destination addresses, stream bandwidth consumption and stream priority parameters.

```
Device#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Device(config)#wireless media-stream group GROUP1 231.1.1.1 231.1.1.10
```