



IPv6 CAPWAP UDP Lite Support

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Information About UDP Lite

The UDP Lite Support feature, which is an enhancement to the existing IPv6 functionality, supports the UDP Lite protocol.

This feature is only applicable to the IPv6 addresses of the controller and APs. IPv6 mandates complete payload checksum for UDP. The UDP Lite Support feature minimizes the performance impact on the controller and AP by restricting the checksum calculation coverage for the UDP Lite header to 8 bytes only.

The use of the UDP Lite Support feature impacts intermediate firewalls to allow UDP Lite protocol (protocol ID of 136) packets. Existing firewalls might not provide the option to open specific ports on UDP Lite protocol. In such cases, the administrator must open up all the ports on UDP Lite.

Restrictions for UDP Lite Support

- Mobility IPv6 tunnels do not support the UDP Lite Support feature.

Enabling UDP Lite Support

The following procedure describes the steps involved in enabling UDP Lite for an AP profile.

Procedure

	Command or Action	Purpose
Step 1	configure terminal Example: Device# <code>configure terminal</code>	Enters global configuration mode.
Step 2	ap profile <i>ap-profile</i> Example:	Configures an AP profile and enters AP profile configuration mode.

	Command or Action	Purpose
	Device(config)# ap profile default-ap-profile	
Step 3	<p>capwap udplite</p> <p>Example: Device(config-ap-profile)# capwap udplite</p>	<p>Enables IPv6 CAPWAP UDP Lite on the AP.</p> <p>Note The following message is displayed after the configuration:</p> <p>This feature is supported only for IPv6 data packets, APs will be rebooted.</p>
Step 4	<p>end</p> <p>Example: Device(config-ap-profile)# end</p>	<p>Returns to privileged EXEC mode.</p> <p>Alternatively, you can also press Ctrl-Z to exit global configuration mode.</p>

Verifying UDP Lite Support Configuration

To verify the CAPWAP UDP Lite status, use the following command:

```
Device# show ap profile name default-ap-profile detailed
CAPWAP UDP-Lite           : ENABLED
Lawful-Interception       : ENABLED
  LI timer                 : 60
AWIPS                     : DISABLED
AWIPS Forensic            : Unknown
Client RSSI Statistics
  Reporting                : ENABLED
  Reporting Interval       : 30 seconds
```