Whats New in Cisco IOS XE Dublin 17.11.x

Hardware Features in Cisco IOS XE Dublin 17.11.1

There are no new hardware features in this release.

Software Features in Cisco IOS XE Dublin 17.11.1

Feature Name	Description
Default Limits for redistributed routes and LSA in OSPF	Default values have been assigned to the number of redistributed routes and LSAs in OSPF to prevent the device being flooded with routes. The default values for redistributed routes is 10240 routes. The default value for LSAs is 50,000 LSAs. You can customize the default values.
Deprecation of Weak Ciphers	The minimum RSA key pair size must be 2048 bits. The compliance shield on the device must be disabled using the **crypto engine compliance shield disable** command to use the weak RSA key.
Programmability • gNMI Dial-Out Telemetry • PROTO Encoding • YANG Data Models	The following programmability features are introduced in this release: • gNMI Dial-Out Telemetry: This feature introduces a tunnel service for gNMI dial-out connections. Using this feature, you can use the device (that acts as a tunnel client) to dial out to a collector (that acts as a tunnel server). The tunnel server forwards requests from gNMI or gNOI clients. • PROTO Encoding: gNMI protocol supports PROTO encoding. The gnmi.proto file represents the blueprint for generating a complete set of client and server-side procedures that instantiate the framework for the gNMI protocol. • YANG Data Models: For the list of Cisco IOS XE YANG models available with this release, navigate to: https://github.com/YangModels/yang/tree/master/vendor/cisco/xe/17111.

Feature Name	Description
show aaa dead-criteria radius enhancement command	The **show aaa dead-criteria radius enhancement** command allows you to use the configured radius server name as the input to identify the unique server in the server group and print the server dead criteria configuration.
show access-session command	The **info** keyword was introduced for the **show access-session** command.
Silent Host Handling	The **silent-host-detection** keyword was introduced for the following commands: • **database-mapping** • **show lisp instance-id ipv4 database** • **show lisp instance-id ipv6 database** • **show lisp instance-id ipv4 server** • **show lisp instance-id ipv6 server**
Support for RFC8781 - PREF64 in IPv6 RA	Introduces the **ipv6 nd ra nat64-prefix** command to configure NAT64 prefix information in an IPv6 router advertisement (RA) on an interface. This feature can be enabled only if NAT64 is already configured on the device.
TCN Flood	The **no ip igmp snooping tcn flood** command was introduced to disable the flooding of multicast traffic during a spanning-tree Topology Change Notification (TCN) event.

New on the WebUI
There are no new WebUI features in this release.

Hardware and Software Behavior Changes in Cisco IOS XE Dublin 17.11.1

Behavior Change	Description
Deprecation of **snmp-server enable traps license** global configuration command	The command was deprecated. The associated MIB, CISCO-LICENSE-MGMT-MIB, is also no longer supported. In place of the deprecated command and unsupported MIB, use CISCO-SMART-LIC-MIB.

Behavior Change	Description
New flag for the IPv6 SGACL monitor mode	A new flag has been introduced for the IPv6 SGACL monitor mode. This was introduced to address hardware limitation of a single counter shared for IPv4 and IPv6 traffic. The HW_Monitor counter gets incremented irrespective of the type of traffic, which in turn updates the monitor mode flag. With a separate flag for IPv6 and IPv4 SGACL monitor mode, only the corresponding protocol flag is updated depending on the type of traffic.
show power and **show power detail** command output	The **show power** and **show power detail** command outputs are modified to display the correct power information of the standby switch.

Hardware and Software Behavior Changes in Cisco IOS XE Dublin 17.11.1