New and Changed Information

This chapter contains the following section:

- New Features and Changed Information, page 1-1

New Features and Changed Information

The following table summarizes new and changed features in the Cisco IWAN app, release 1.4.0.

Table 1-1 New and Changed Information for Release 1.4.0

Feature	Description	Reference
Day 0 and Day N QoS Bandwidth Modifications	Ability to allocate user-defined bandwidth percentages to a priority QoS class model and other class models during provisioning (Day 0) of a hub or branch site.	**Hub** sites: Wizard Step 4—Configuring Service Providers, page 4-10 **Branch sites—Greenfield**: See the Service Profile field in the Configure WAN Cloud dialog box in: Adding and Provisioning Greenfield Devices to the Branch Site, page 5-4 **Branch sites—Brownfield**: See the Service Profile field in the Configure WAN Cloud dialog box in: Adding and Provisioning Brownfield Devices to the Branch Site, page 5-10.
	Ability to modify user-defined bandwidth percentages to a priority QoS class model and other class models after provisioning (Day N) of a hub or branch site.	Modifying the QoS Bandwidth Percentages for a Hub Site, page 4-23 Modifying the QoS Bandwidth Percentages for a Branch Site, page 5-27

Table 1-1 New and Changed Information for Release 1.4.0

Feature	Description	Reference
Day N WAN bandwidth update for hub or spoke site	Introduces the ability to change the upload or download WAN bandwidth after a hub or spoke (branch) site is provisioned ("day N").	Updating the WAN Bandwidth of a Provisioned Hub Site, page 4-22 Updating the WAN Bandwidth of a Provisioned Branch Site, page 5-24
Day N WAN IP update for spoke site	Introduces the ability to change the WAN IP, mask, or next hop configured on a spoke (branch) site after the site has been provisioned ("day N").	Updating the WAN IP Parameters of a Provisioned Branch Site, page 5-25
Support multiple DHCP servers on a hub site	Ability to add up to 5 DHCP servers on a hub site.	Wizard Step 1—Configuring System Settings, page 4-2
4G Support for Cisco ISR4000 Series routers	Support for a cellular/4G interface for Cisco ISR4000 Series routers at a branch site.	Adding and Provisioning Greenfield Devices to the Branch Site, page 5-4 Adding and Provisioning Brownfield Devices to the Branch Site, page 5-10
Custom application delete	Ability for the user to delete NBAR2 custom applications.	Deleting NBAR2 Custom Applications, page 7-4
Spoke behind NAT	Support for spoke sites behind NAT.	Managing Branch Sites
APIC-EM behind NAT	Support for APIC-EM controller behind NAT. Previously supported this for greenfield sites; this version adds support for brownfield sites.	IWAN App Operation with NAT, page 5-2
Support for NBAR2 Protocol Pack 27.0.0	IWAN app 1.4.0 uses the NBAR2 Protocol Pack 27.0.0. This upgrade provides new application protocols and improvements to existing protocols. If a router has an NBAR2 custom application defined by a previous IWAN app version, and the custom application name conflicts with a new protocol provided with Protocol Pack 27.0.0, the custom application will be renamed as: c_<original-custom-app-name>	Administering Application Policies
Custom configuration	Provides is a mechanism for executing CLI configuration commands on devices within the IWAN network.	Managing Devices
Support for ASR1000 Series routers for spoke sites	Support added for several Cisco ASR 1000 Series routers at spoke sites. See the release notes for details.	Cisco IWAN Application on APIC-EM Release Notes, Release 1.4.0
Support for Cisco IOS XE Denali 16.x	Support for routers running Cisco IOS XE Denali 16.3.3. See the release notes for full software requirements.	Cisco IWAN Application on APIC-EM Release Notes, Release 1.4.0