



New and Updated Features

The IWAN app for DNA Center operates largely in the same way as it did in its previous release on APIC-EM, but there are some changes to note. The IWAN app integrates the DNA Center functionality, such as defining sites and managing Cisco IOS images.

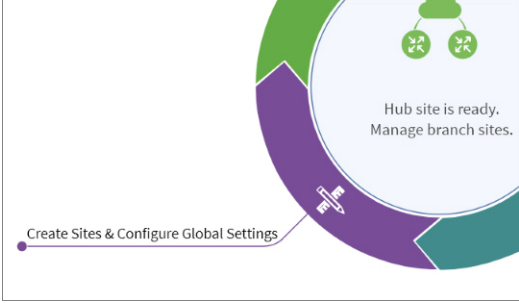


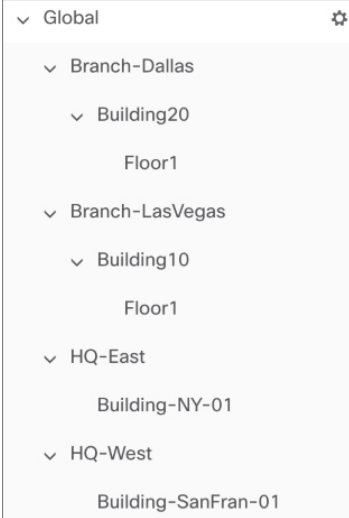
Tip

Some tasks involve steps in DNA Center and in the IWAN app. Open DNA Center and IWAN app in two separate tabs of a browser to switch between them easily. Refresh the page if necessary to reflect updated information.

The [IWAN App High-level Overview](#) provides a summary of tasks related to the IWAN app, and where to execute them.

New and Updated Features: Configuring network, sites, and devices

Feature/Task	Description
Global network settings	<p>On the IWAN app home page, the Monitor & Troubleshoot option has been replaced with Create Sites & Configure Global Settings.</p>  <p>This option opens the DNA Center > Design > Network Settings page for configuring global settings.</p> <p>Mandatory global settings for using the IWAN app:</p> <ul style="list-style-type: none"> • Netflow Collector server • DNS server <p>Mandatory global settings for DNA Center:</p> <ul style="list-style-type: none"> • DHCP server <p>Each node in the network hierarchy configured in DNA Center inherits the settings of the parent node, but you can select any node and override the inherited settings.</p> <p>Note Important: In this release, the IWAN app only uses the settings configured at the global level.</p>
DNA Center behind NAT	<p>DNA Center behind NAT is supported.</p> <p>In the IWAN app > Configure Hub Site & Settings > System tab, configure the DNA Center NAT/proxy IP.</p> <p>The default NAT port (80) is used. In this release, after the NAT address is set, it cannot be changed.</p> <p>Note In earlier releases of the IWAN app, a custom NAT port could be configured.</p>

Feature/Task	Description
<p>Creating sites and network hierarchy</p>	<p>In DNA Center > Design > Network Hierarchy, define the network hierarchy, including sites, buildings, and floors.</p> <p>The IWAN app uses the leaf nodes (terminal nodes) of the hierarchy as sites within the IWAN app. These may be either buildings or floors.</p>  <p>For example, if the following site locations are defined in DNA Center...</p> <ul style="list-style-type: none"> Global > HQ-East > Building-NY-01 Global > HQ-West > Building-SanFran-01 Global > Branch-LasVegas > Building10 > Floor1 Global > Branch-Dallas > Building20 > Floor1 <p>...the IWAN app presents the following sites:</p> <ul style="list-style-type: none"> Building-NY-01 Building-SanFran-01 Floor1 Floor1 <p>To distinguish nodes with the same name, the IWAN app displays the full path, where necessary, when selecting sites. Example:</p> <p>Floor1 Branch-LasVegas/Building10/Floor1</p>
<p>Setting site location</p>	<p>In DNA Center > Design > Network Hierarchy, select a site or building and configure the geographic location. The location is shown in the IWAN app map view.</p> <p>Note This replaces the Set Geo feature in earlier releases of the IWAN app.</p>

Feature/Task	Description
Inheritance of settings, IWAN app uses only global settings	<p>Each node in the network hierarchy (defined in DNA Center > Design > Network Hierarchy) inherits settings from the parent node.</p> <p>Note In this release, the IWAN app uses only the settings configured at the global level.</p>
Configuring a hub site	<p>In DNA Center, define hub sites and locations.</p> <p>When configuring a hub site, in the IWAN app > Configure Hub Site & Settings > IWAN Aggregation Site tab, use the dropdown menu to select a hub site from the list of sites configured in DNA Center.</p>
Adding greenfield devices to branch sites	<p>In the IWAN app > Sites > Devices tab, click the Add Greenfield Device button. This opens DNA Center > Provision > Devices > Inventory.</p> <p>Click Unclaimed Devices and follow the procedure for adding a new greenfield device (Workflow Overview: Adding a Greenfield Device to a Branch Site).</p>
Adding brownfield devices to branch sites	<p>When adding a brownfield device, select the site name in the IWAN app > Sites > Devices tab > Site Name column.</p> <p>During provisioning, the IWAN app communicates this site assignment for the brownfield device to DNA Center, and the assigned site will appear in the device inventory.</p>
Deleting a site in the IWAN app	<p>Deleting a site in the IWAN app changes the status of the associated devices in DNA Center.</p> <ul style="list-style-type: none"> • Greenfield devices discovered by Plug and Play call-home move from Inventory to Unclaimed Devices in DNA Center. • Brownfield devices are removed from the inventory in DNA Center. <p>Note Sites managed by the IWAN app can be removed only from within the IWAN app, and not directly through DNA Center.</p>
Cisco IOS image management	<p>Manage Cisco IOS images to be used for provisioning new devices, in DNA Center > Design > Images Repository.</p> <p>Note This replaces the Certified IOS Releases tab in earlier releases of the IWAN app.</p>

New and Updated Features: Monitoring

Feature/Task	Description
Service Assurance and application health	<p data-bbox="669 329 1516 394">Service Assurance is a feature of DNA Center, used for evaluating network and client health.</p> <p data-bbox="669 411 964 438">DNA Center > Assurance</p> <p data-bbox="669 455 721 483">Note</p> <ul data-bbox="808 455 1516 659" style="list-style-type: none"><li data-bbox="808 455 1516 548">• Earlier releases of the IWAN app included a beta-version Service Assurance feature, activated by an Assurance button in the map view.<li data-bbox="808 569 1516 659">• Earlier releases of the IWAN app displayed application health information in an Application Health tab for each site. See DNA Center for information about site traffic.

