



## Feature History

This chapter summarizes the new and modified features that are supported in Cisco IoT FND 4.11.x release.

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### What's New in 4.11.0

The table summarizes the new and updated features that are included in this release and tells you where they are documented in the User Guide.

Features	Description
<a href="#">Support of P-LTE-450 for IR1100</a>	The display of cellular link settings, cellular link info and cellular link metrics is supported for P-LTE-450 Pluggable Interface Module (PIM) and interfaces. The stats display for the PIM in Cellular Link Traffic and Cellular RSSI charts is also supported in this release.
<a href="#">MMB GEN 2 device support</a>	MMB devices function as endpoints and are supported on CGR1000 and IR8140 platforms.
<a href="#">IPAM for Loopback</a>	If IPAM is enabled during installation, IoT FND allocates IP addresses to the loopback interface of FAR routers during tunnel provisioning. This feature eliminates the need for an external DHCP server for loopback addresses.
<a href="#">Skipping Firware Upgrade during PnP</a>	During Zero Touch Deployment, if the source operating system on the device is found to be unreliable during PNP, you can skip firmware upgrade step while allowing PNP to proceed seamlessly. This is supported for IR1100 devices only.
<a href="#">Support of LTE Cat7 PIMs in IR1100</a>	The PIM that provides LTE (Cat7) capability is supported on Cisco IR1101 Routers. This PIM is supported since 17.13.1 and above on IR1101 router.

Features	Description
<a href="#">Tunnel Management with pre-shared key (PSK)</a>	<p>PSK is used during the tunnel provisioning to authenticate the communication between FAR and HER. This feature reduces the certificate dependency for tunnel formation.</p> <p>If PSK is enabled as part of FND installation, then FND generates a unique pre-shared key for each FAR in the FND.</p>
<a href="#">Router Scale Support upto 25K</a>	<p>Bare metal deployment with Oracle and virtual machine deployment with PostgreSQL with Influx DB support up to 25,000 routers. See <a href="#">Router Only Deployments</a> for additional scale size.</p>
<a href="#">Router Statistics</a>	<p>The Device Details page provides new router usage statistics chart for Cisco IOS and IOS-XE device types.</p>
<a href="#">Firmware Upload/Upgrade jobs needs timeout or job expire timeline</a>	<p>You can configure the timeout duration for the stuck firmware jobs that take extended run time.</p>
<a href="#">Viewing All Jobs in IoT FND</a>	<p>The user triggered jobs in IoT FND are displayed in the Jobs page. The ADMIN &gt; SYSTEM MANAGEMENT &gt; JOBS page provides a detailed summary of the jobs along with their respective sub jobs.</p>