

Asset Tracker Solution

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Cisco Asset Tracker solution

Cisco Asset Tracker Solution helps organizations locate, identify, and manage physical assets across enterprise environments. It improves asset visibility, reduces the time users spend searching for equipment, and supports more efficient inventory and operational workflows. The solution includes the Cisco Asset Tag hardware and two software applications: the Cisco Spaces Asset Tracker dashboard app, which administrators use to configure and monitor the solution, and the Cisco Asset Tracker mobile app, which end users use to onboard tags and locate assets.

Cisco Asset Tag is the compact, battery-powered hardware component of the solution. The tag transmits Bluetooth Low Energy (BLE) and Ultra-Wideband (UWB) signals. Supported Cisco access points observe those signals and provide location data to Cisco Spaces.

The **Cisco Asset Tracker** mobile app is the field-facing experience for onboarding and locating assets. It connects a physical tag to an asset record through NFC onboarding and supports building and floor selection, category and asset association, optional asset photos, search, indoor directions, UWB Nearby mode, and NFC confirmation of the physical asset. Use the Cisco Asset Tracker mobile app to tasks such as signing in and onboarding tags to searching for, navigating to, and confirming assets.

The **Cisco Spaces Asset Tracker** dashboard app provides centralized configuration, monitoring, governance, automation, and reporting. Administrators use the dashboard to configure locations and maps, manage categories and permissions, monitor assets, create rules, and review reports. The access, buildings, categories, and actions available in the mobile app are controlled through dashboard roles and scope.

Solution components

Cisco Asset Tracker provides administrators with centralized asset management and gives frontline users a mobile experience for onboarding, locating, and confirming assets.

Cisco Asset Tracker helps organizations:

- Reduce the time that personnel spend searching for equipment.
- Improve visibility into the last detected location of assets.

- Organize assets by category, department, building, floor, and asset identifier.
- Guide users to assets on indoor maps.
- Provide close-range finding for supported devices and deployments.
- Use the existing Cisco wireless infrastructure as the foundation for asset tracking.
- Manage assets centrally while providing a focused mobile experience to frontline users.

The Cisco Asset Tracker solution includes these components:

Table 1: Solution components

Component	Purpose
Cisco Asset Tag	A physical tag that supports Bluetooth Low Energy (BLE), Ultra-Wideband (UWB), and Near Field Communication (NFC). There is one Cisco Asset Tag model that supports both BLE and UWB capabilities. For more information, refer to Cisco Asset Tag Hardware Installation Guide.
Cisco wireless infrastructure	Supported Catalyst access points receive signals from Cisco Asset Tags. A Catalyst wireless LAN controller manages the access points.
Cisco Spaces Connector	Sends Internet of Things (IoT) and location data from the on-premises Catalyst environment to Cisco Spaces.
Cisco Spaces	Processes location information and provides maps, IoT services, location services, and application access.
Cisco Spaces Asset Tracker dashboard app	Provides centralized configuration, monitoring, governance, automation, and reporting. Administrators configure locations and maps, manage categories and permissions, monitor assets, create rules, and review reports. For more information, refer to Cisco Spaces Asset Tracker App Configuration Guide.
Cisco Asset Tracker mobile app	Provides field-facing workflows for sign-in, building and floor selection, NFC onboarding, category and asset association, optional asset photos, search, indoor directions, UWB Nearby mode, and NFC confirmation. For more information, refer to Asset Tracker Mobile Application.

Sensor Connect on Cisco Meraki

Sensor Connect uses the integrated IoT radio in supported Meraki MR access points as the IoT access layer for Cisco Spaces. For asset tracking, it provides the Meraki to Spaces path for supported Bluetooth Low Energy (BLE) use cases, including Cisco Asset Tags and supported third-party BLE or Ultra-Wideband (UWB) tags. It can extend beyond passive advertisement scanning to also support BLE device management and telemetry operations.

Sensor Connect uses the existing Meraki access point (AP) infrastructure. A separate BLE gateway overlay is not required. Sensor Connect is distinct from the Catalyst IOx-based Advanced IoT Gateway terminology used in this runbook. Before choosing the deployment profile, confirm the capabilities required by the selected tag and application.

Review the Sensor Connect on Meraki – Deployment Guide for the current supported AP models, firmware, licensing, coexistence constraints, activation, and Cisco Spaces connection steps. The Meraki guide currently identifies Sensor Connect as beta. Confirm availability and production suitability before enabling it.

For more information about current Sensor Connect hardware and software requirements, refer to Sensor Connect on Meraki - Deployment Guide.