

Cisco Spaces Asset Tracker Solution Guide

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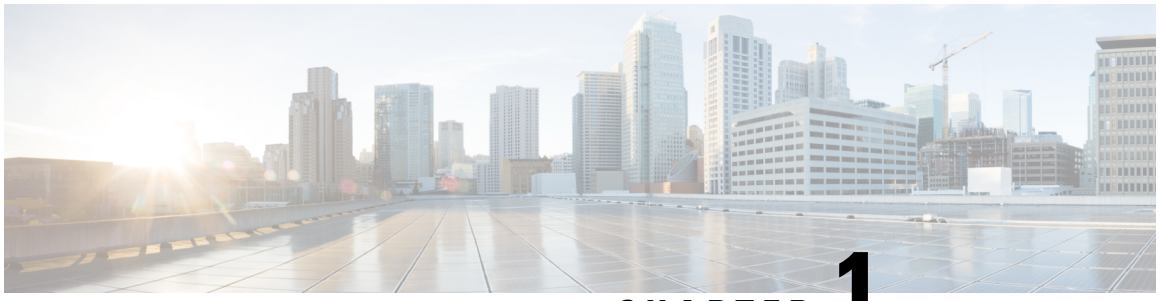
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CHAPTER 1

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.

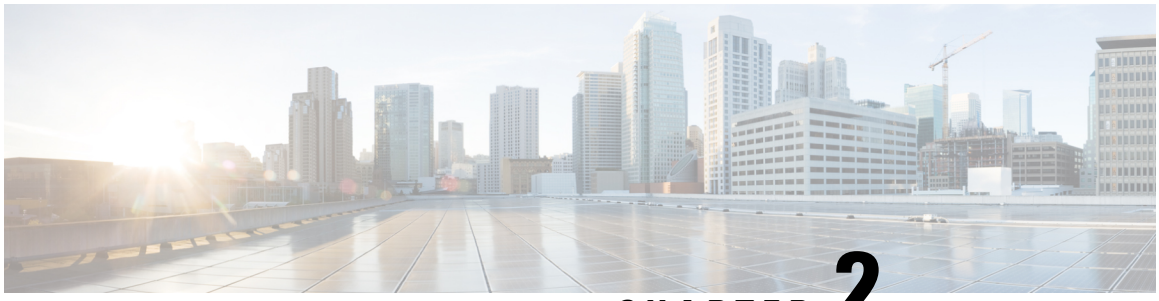
Sensor Connect on Cisco Meraki

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.



CHAPTER 2

Cisco Asset Tag Hardware

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Cisco Asset Tag

The **Cisco Asset Tag** is the compact, battery-powered hardware component attached to a physical asset.

Its role is to:

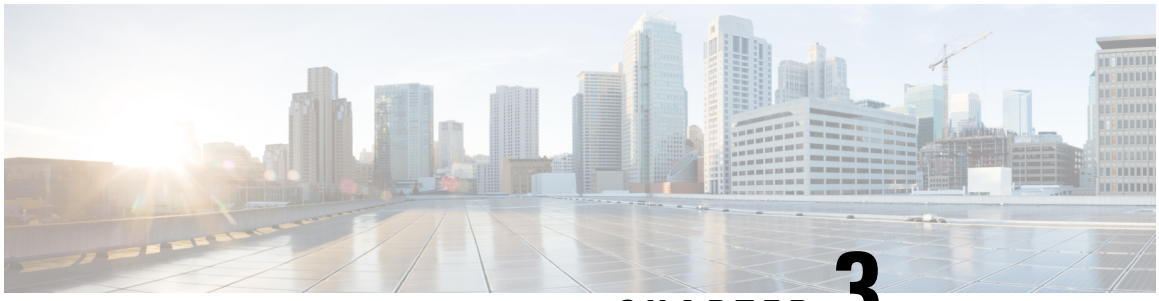
- Transmit **Bluetooth Low Energy (BLE)** and **Ultra-Wideband (UWB)** signals for asset location.
- Allow supported Cisco access points to detect the asset and provide location data to Cisco Spaces.
- Support **NFC onboarding**, linking the physical tag to an asset record through the mobile app.
- Enable **UWB Nearby mode** for precise, short-range asset location.
- Support **NFC confirmation** to verify that users have found the correct physical asset.

For more information about software pre-requisites for deployment, refer to Cisco Asset Tag Deployment Guide.

Figure 1: Cisco Asset Tag



For more information, refer to Cisco Asset Tag Hardware Installation Guide.



CHAPTER 3

Cisco Spaces Asset Tracker App

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Cisco Spaces Asset Tracker App

The Cisco Spaces Asset Tracker App is a location-based application that helps you:

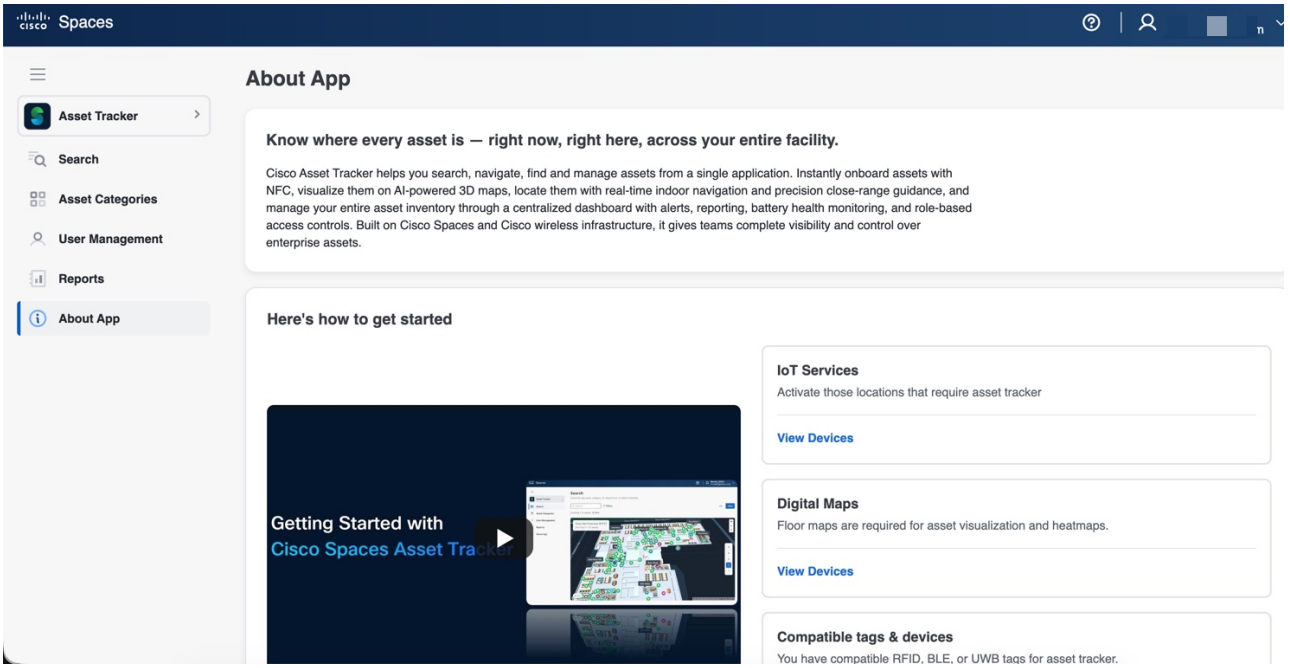
- Onboard and organize physical assets.
- Associate assets with supported tags or Wi-Fi devices and view their current or historical locations.
- Notify users or external systems when an asset enters a location, exits a location, or is not heard for a specified period.

For more information, refer to Cisco Spaces Asset Tracker App Configuration Guide.

The app combines asset inventory, location data, event rules, role-based access, and reports in the Cisco Spaces dashboard.

Cisco Spaces Asset Tracker App

Figure 2: Cisco Spaces Asset Tracker App



Primary work areas

The Cisco Spaces Asset Tracker App provides these primary work areas:

- **Assets**: Search across all assets, filter the results, and switch between list and map views.
- **Categories**: Define asset types and manage assets, history, rules, and role access for each category.
- **User Management**: Create roles and invite users.
- **Reports**: Review tag distribution by asset category, model, and location.
- **About App**: View application information.

Intended audience

This information is for Cisco Spaces administrators and asset managers who configure categories, onboard assets, define monitoring rules, manage access, and review asset location data.

Licensing and access

Your Cisco Spaces account must have the Cisco Spaces Asset Tracker App enabled. The app supports the Advantage, Unlimited, Smart Operations, Premier, and Premier CW entitlements.

The mobile-app-only user option requires a Premier entitlement and appears only when your account supports the option.

Before you configure the app, verify that:

- Your account has access to the Cisco Spaces Asset Tracker App.
- The Cisco Spaces location hierarchy contains the required campuses, buildings, floors, and zones.

- The tags or Wi-Fi devices that you want to associate are available to the account.
- You have read-and-write permission for the required categories and locations.
- You have the recipient details or API endpoint information required for rule actions.

Categories

A category is a user-defined grouping that determines how the Cisco Spaces Asset Tracker App handles a type of asset. You must create a category before you can add an asset. A category identifies its department, tracking type, map color, icon, and description.

The category color and icon identify its assets on maps. The category page also shows the number of assets and rules, the assigned department, the creation date, and the roles that have access.

For more information, refer to Cisco Spaces: Asset Tracker App Configuration Guide.



Note Choose the category type carefully. It represents the tracking model for the assets that you add to the category.

Assets and tag associations

An asset is a physical item represented by a unique Asset ID. A tag association connects that asset record to the MAC address from which Cisco Spaces receives location data.

A tag can be associated with only one asset at a time. You can associate a tag while you create an asset or later from the asset table. If you assign an already associated tag during asset creation, the app asks you to confirm the reassignment. Confirmation disassociates the tag from the previous asset and associates it with the new asset.

Deleting an asset also disassociates its tag. It does not delete the tag from Cisco Spaces.

Wi-Fi devices

The Cisco Spaces Asset Tracker App does not process every Wi-Fi client detected by Cisco Spaces. When you identify an asset as a Wi-Fi device, the app adds its MAC address to the set of clients that it monitors. This selection becomes available after you specify the MAC address.

Labels and custom metadata

Labels and custom metadata help you classify and filter assets. You can add labels from an asset record or include them in a bulk-import file. Rule criteria and Asset Search filters can use these values.

In use and **Out of order** are system-defined labels. You cannot create another label with either name.

Locations

The Cisco Spaces Asset Tracker App uses the Cisco Spaces location hierarchy. A hierarchy can include a campus, building, floor, and zone. The selected hierarchy level controls the information shown in maps, history, filters, and reports.

A location report displays information according to the selected level:

- Selecting a root or campus shows the next relevant location level, such as buildings.

- Selecting a building shows its floors.
- Selecting a floor shows the floor and its zones. Assets on the floor but outside a zone remain grouped at the floor level.
- Selecting a zone shows that zone.

Rules

A rule evaluates asset events at one or more locations and performs one or more actions. A rule contains:

- A unique name.
- A sense condition: **Is not heard**, **Exits a location**, or **Enters a location**.
- One or more locations.
- Optional metadata criteria.
- An optional schedule.
- One or more SMS, email, or API actions.

New rules are enabled when you save and publish them. You can disable a rule without deleting its configuration.

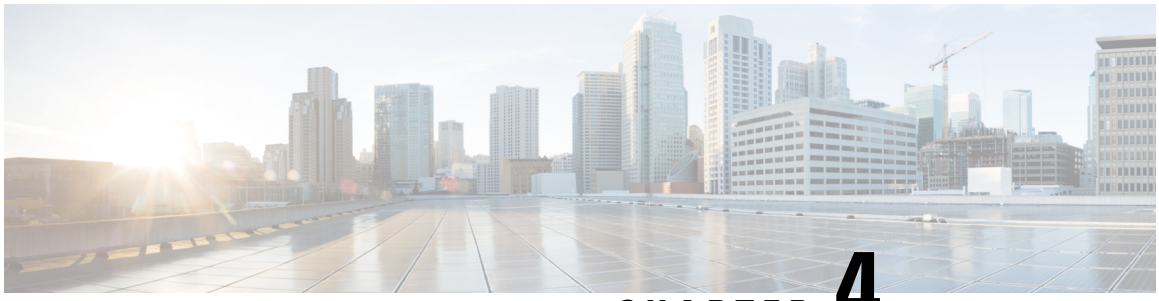
Roles

A role combines an access level with one or more categories and locations. A read-only role can view the selected resources. A read-and-write role can configure the selected resources. When you assign a role to a user, the role controls which category data and locations the user can access.

Configuration workflow

Configure the Cisco Spaces Asset Tracker App in this order:

1. Create one or more categories.
2. Add assets individually or import them from a CSV file.
3. Associate trackable assets with tag MAC addresses.
4. Add labels or custom metadata as needed.
5. Create location-based rules and notification actions.
6. Create roles for the required category and location access.
7. Invite users and assign roles.
8. Verify asset data in list, map, history, and report views.



CHAPTER 4

Asset Tracker Mobile Application

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Cisco Asset Tracker Mobile App

The Cisco Asset Tracker mobile app is the field-facing application for onboarding, locating, and confirming tracked assets.

- Authorized users can associate a Cisco Asset Tag with an existing asset record through NFC, select the applicable asset category, and add an identifying photo.
- Users can search for assets and categories, view asset details and mapped locations, and follow indoor directions.
- Users can use UWB Nearby mode for higher-precision guidance when supported and use NFC confirmation to verify the physical tag attached to an asset.

The app provides location-aware access to the buildings, floors, asset categories, and actions permitted for the signed-in user.

Cisco Asset Tracker Mobile App capabilities

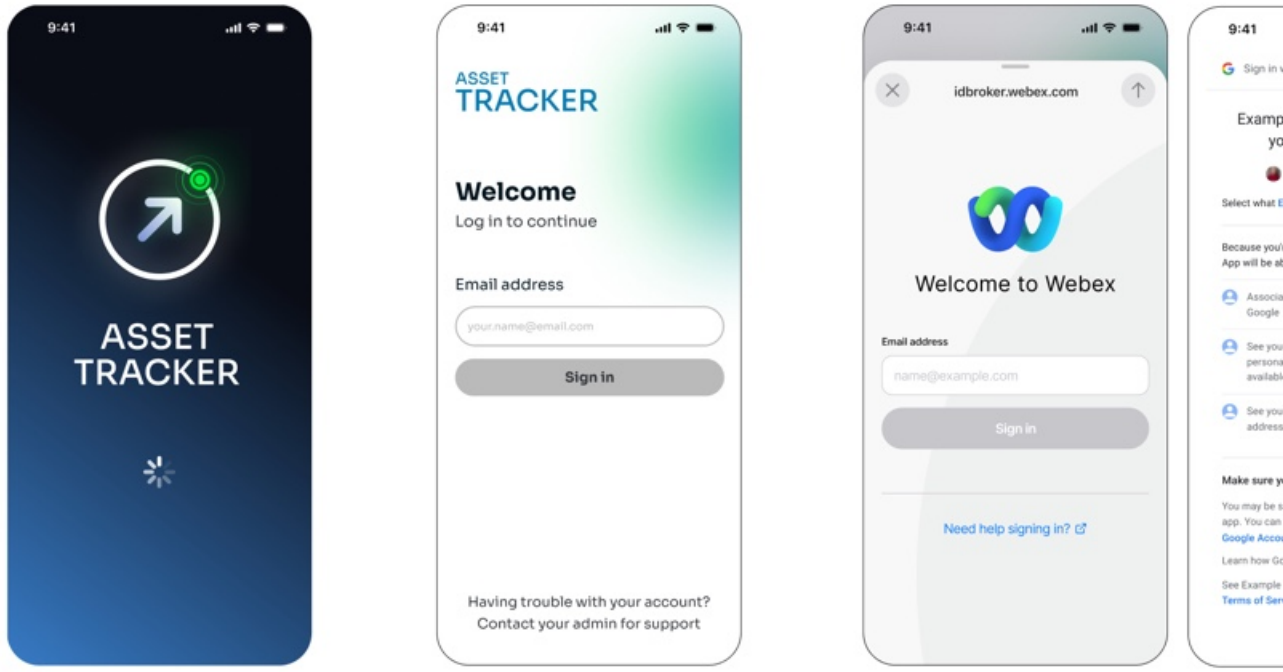
The Cisco Asset Tracker mobile app supports the following end-user workflows:

- Sign in through the identity provider configured for the user.
- Detect or manually select an accessible building and floor.
- Onboard a Cisco Asset Tag and associate it with an existing asset.
- Search for assets and categories and view asset information on a map.

- Navigate to an asset by using indoor directions.
- Use UWB Nearby mode for higher-precision guidance during the final approach when supported.
- Confirm the correct physical asset by scanning its Cisco Asset Tag with NFC.
- View account information, app permissions, frequently asked questions, privacy information, and terms of use from the user profile.

Note The buildings, asset categories, and actions available to each user are determined by their assigned access and permissions.

Figure 3: App Worlflow



Log in to Cisco Asset Tracker

Log in to access the buildings, asset categories, and mobile app actions assigned to your account.

The Identity Provider is set per user in the Asset Tracking Dashboard. If an Identity Provider is assigned to your account, the app routes you directly to that provider after you enter your email address. If no provider is assigned, the app displays the available provider options.

- Webex
- Microsoft
- Google

Before you begin

Before you log in, verify the following requirements:

- Your corporate email address is registered by an administrator in the Asset Tracking Dashboard.
- Your mobile device has a stable internet connection.

Procedure

Step 1 Open the Cisco Asset Tracker mobile app.

Step 2 Enter your corporate email address.

Step 3 Select **Sign in**.

Step 4 If the app displays multiple Identity Provider options, select the provider that your organization uses.

Step 5 Complete the authentication process.

The Cisco Asset Tracker home screen appears.

You are logged in and can access the locations and mobile app features assigned to your account.

What to do next

If this is your first login, grant the requested Location, Bluetooth, and Motion & Fitness permissions.

- If the app displays **Failed to start session**, verify that you entered the registered corporate email address.
- If the problem continues, contact your administrator.

Login FAQs

Login questions and answers

Use these answers to resolve common login questions and problems.

1. Why can't I create an account directly from the mobile app?

   User provisioning is handled centrally to ensure that only authorized corporate users access the platform. New accounts must be registered by an ADMIN through the Asset Tracking Dashboard. If you can't sign in, contact your administrator and confirm that your corporate email has been added to the Dashboard.

2. I entered my email and got "Failed to start session." What should I do?

   This error usually means one of two things: your email hasn't been registered in the Asset Tracking Dashboard yet, or there was a temporary issue communicating with the login service. Double-check that you're using the exact corporate email registered by your ADMIN, then try again. If the error persists, ask your administrator to confirm your registration in the Dashboard.

3. Why am I sometimes asked to choose between Webex, Google, and Microsoft, and other times not?

   The Identity Provider is set per user in the Asset Tracking Dashboard. When your ADMIN has already assigned one to your account, the app routes you directly to that provider after you enter your email. When

no provider has been assigned yet, the app shows all three options so you can pick the one your organization uses, and authentication continues normally from there.

4. The app keeps showing an error or won't let me log in. What should I try?

   First, make sure you have a stable internet connection. Connectivity issues will block authentication and the app will prompt you to retry once you're back online. If you see a generic application error, select **Try again**. If the problem continues, fully close the app and reopen it. If it still fails, confirm with your ADMIN that your email and Identity Provider are correctly configured in the Asset Tracking Dashboard.

These FAQs apply when you create or access an account and sign in to the Cisco Asset Tracker mobile app.

Accounts, identity providers, and access permissions are managed centrally in the Asset Tracking Dashboard.

You can identify common login issues and determine whether to retry or contact your administrator.

Verify your internet connection and registered corporate email address before you retry the login.

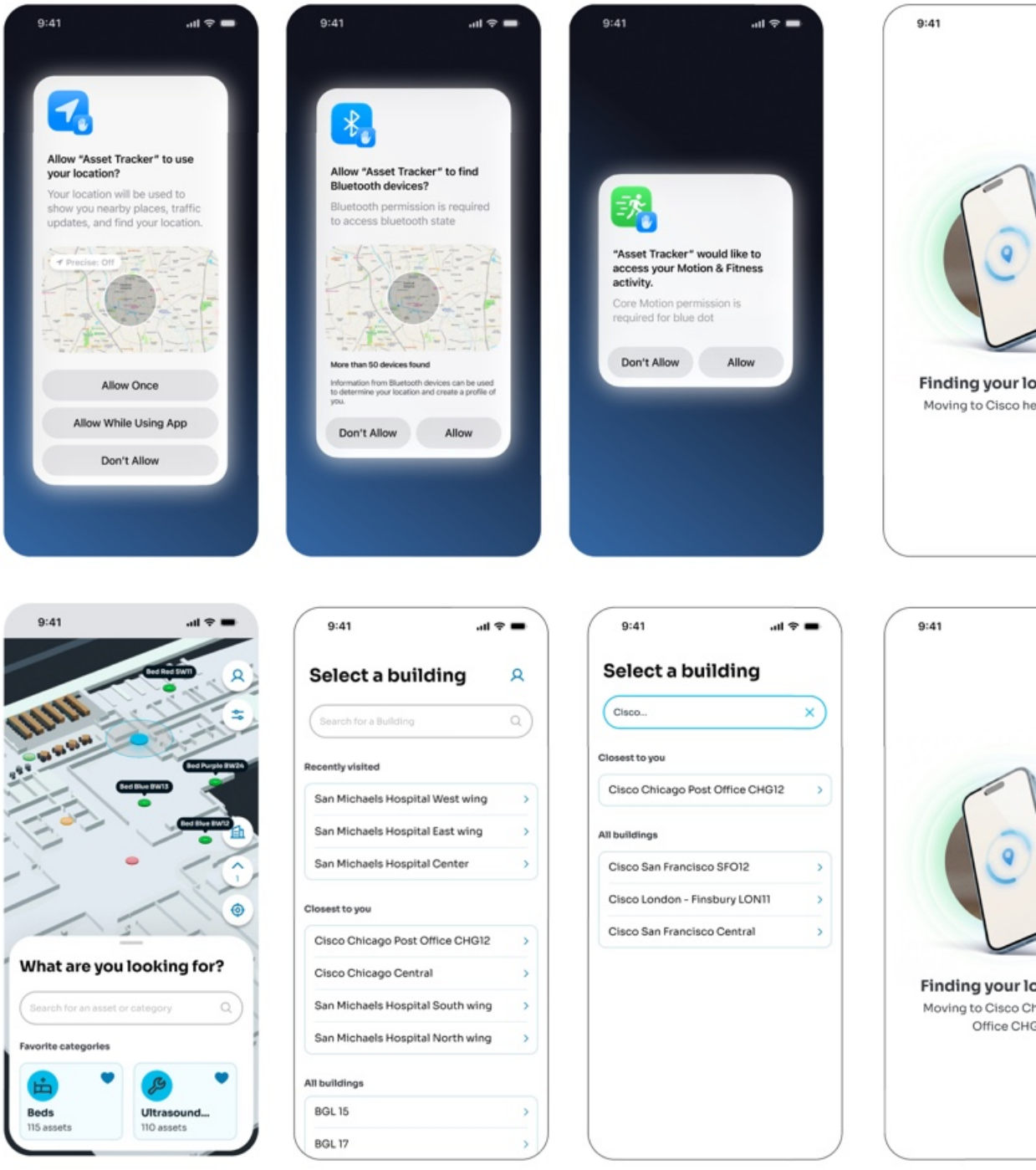
Select a building

Select an accessible building so that the app can display its map and tracked assets.

The app uses Location, Bluetooth, and Motion & Fitness permissions to detect your current building and floor. If you are in a building that you have access to, the corresponding map loads automatically.

If Bluetooth is turned off or you are not in an accessible building, the app opens the last building that you accessed. If you have not accessed a building before, the app opens the manual building selection screen.

Figure 4: Building Selection



Before you begin

Before you select a building, verify the following requirements:

- You are logged in to the Cisco Asset Tracker mobile app.

- Your administrator has granted you access to at least one building.

Procedure

Step 1 On the map, tap the building floating button.

Step 2 Review the buildings that you have access to.

Step 3 Search for a specific building, if necessary.

Support users can search by Tenant ID. The app filters the building list by the searched Tenant ID.

Step 4 Select the required building.

The app loads the selected building map.

You can view and search for assets on the selected building map, even when you are not physically in that building.

What to do next

Use the floor control to change floors when the required asset is not visible on the current floor.

Building selection FAQs

Building selection questions and answers

Use these answers when the app does not select the expected building or when you need to switch buildings.

1. Why does the app ask for Location, Bluetooth, and Motion & Fitness permissions on my first login?

   These permissions are required for the app to detect your current location inside a building and show you on the correct floor of the map. Location (GPS) and Bluetooth work together to pinpoint your position, while Motion & Fitness helps the app understand your movement between floors and areas. Without these permissions, indoor positioning won't work.

2. I logged in, but the app didn't open the building I'm currently in. Why?

   This usually happens for one of two reasons: either your Bluetooth is turned off, or you don't have access to the building you're in. Building access is granted by your ADMIN through the Asset Tracking Dashboard. In either case, the app will automatically open the last building you accessed. If you've never accessed a building before, you'll be taken to the manual building selection screen instead.

3. How do I switch to a different building?

   Tap the building floating button in the map menu. You'll see a list of all the buildings you have access to, and you can search for a specific one. Once you select a building, the app loads its map so you can view and search for assets, even if you're not physically there.

4. Why don't I see a building in my list that I'm supposed to have access to?

   The list only shows buildings that your ADMIN has granted you access to through the Asset Tracking Dashboard. If a building is missing, reach out to your ADMIN to confirm your access has been set up correctly.

These FAQs apply when the app requests location permissions, opens an unexpected building, or does not list a required building.

The app uses device permissions and administrator-defined building access to determine which location and map to display.

You can select an accessible building and understand why a building might not appear.

Enable the requested permissions and contact your administrator if a required building is not available.

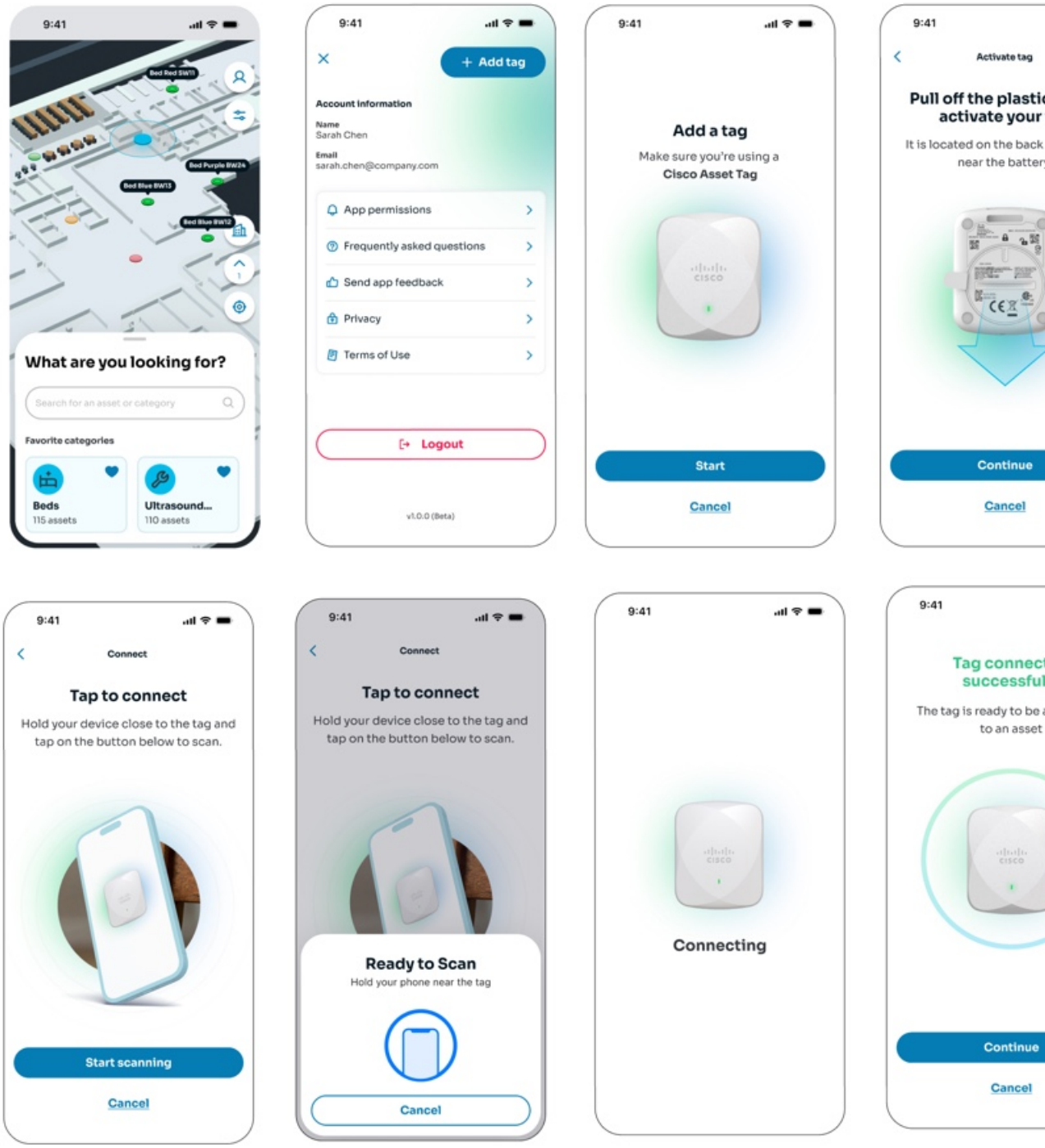
Onboard a Cisco Asset Tag

Onboard a physical Cisco Asset Tag so that it can be associated with and used to locate an asset.

The mobile app supports Cisco Asset Tags only. Third-party tags cannot be onboarded through the mobile app.

- Categories cannot be created through the mobile app.
- New assets cannot be registered through the mobile app.

Figure 5: Onboard a Tag



Before you begin

Before you onboard a tag, verify the following requirements:

- You are logged in and have permission to at least one asset category.

- The asset record already exists.
- You are using a Cisco Asset Tag that is not associated with another asset.
- You are using an NFC-capable iOS device, iPhone 7 or newer.

Procedure

Step 1 From the Profile screen, select **Add tag**.

Step 2 Pull off the plastic tab on the back of the tag, near the battery, to activate the tag.

Step 3 On the Add a tag screen, select **Start**.

Step 4 On the Tap to connect screen, select **Start scanning**.

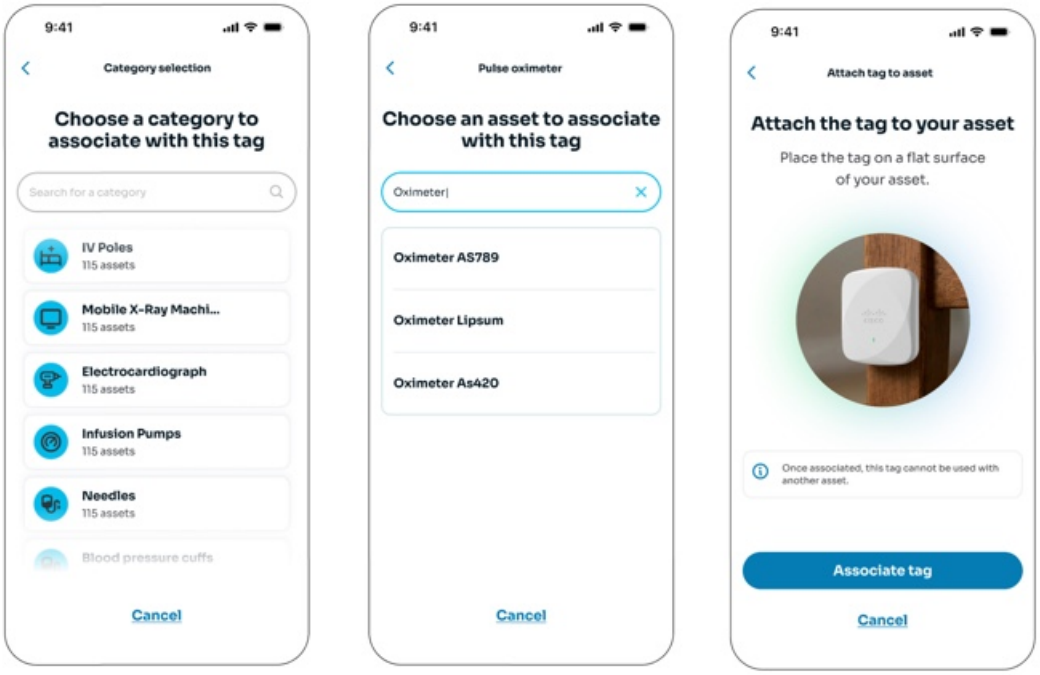
Step 5 Hold your phone near the NFC area on the tag.

The app displays **Tag connected successfully**.

Step 6 Select **Continue**.

Step 7 Choose a category to associate with the tag.

Figure 6: Select Category



Step 8 Choose an asset to associate with the tag.

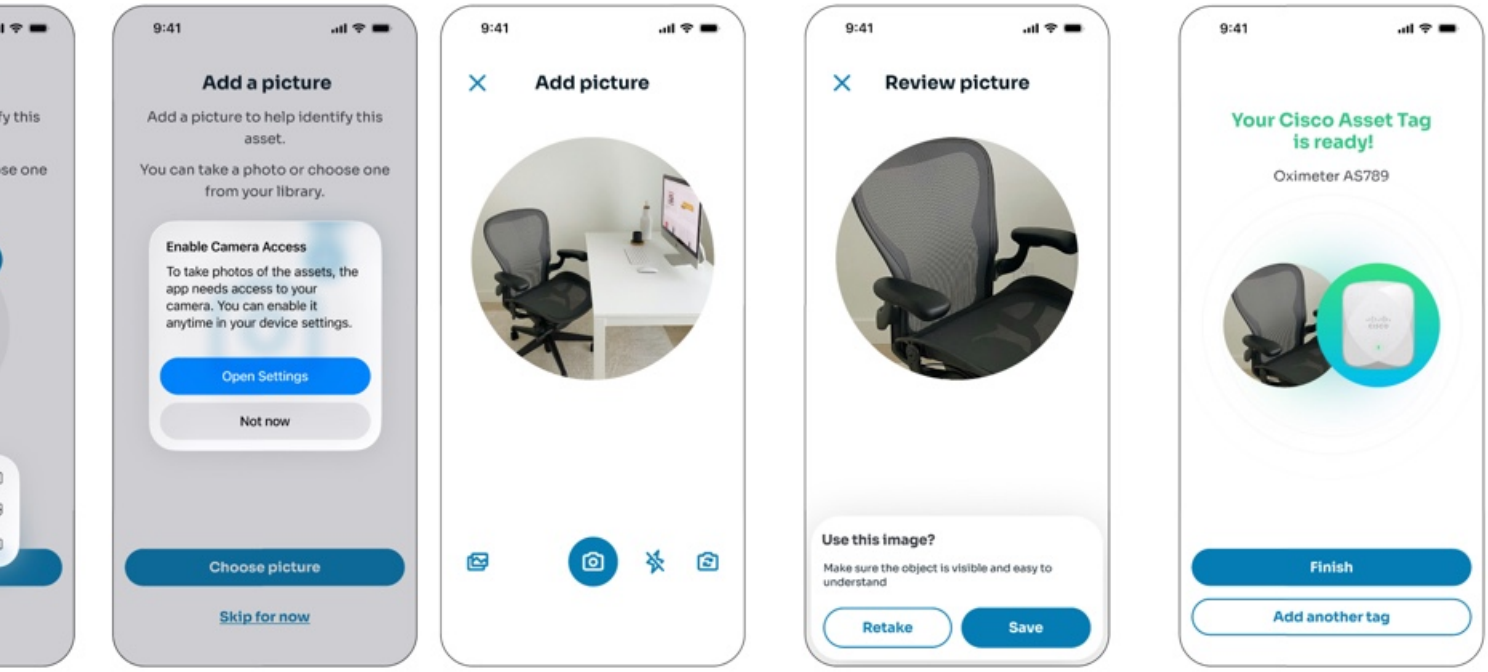
Step 9 Place the tag on a flat surface of the asset, and select **Associate tag**.

Step 10 Add a picture to help identify the asset, or select **Skip for now**.

You can take a photo or choose a picture from your library.

Step 11 Review the picture and select **Save**, or select **Retake**.

Step 12 When the app displays **Your Cisco Asset Tag is ready**, select **Finish** or **Add another**



The Cisco Asset Tag is associated with the selected asset record.

What to do next

If the app cannot scan or associate the tag, retry the operation or contact your administrator.

- If no categories are available, ask an administrator to update your category permissions.
- If the tag is already in use, scan a different tag.

Tag onboarding FAQs

Tag onboarding questions and answers

Use these answers when you cannot start or complete Cisco Asset Tag onboarding.

1. I don't see the "Add a tag" button in my Profile menu. What's wrong?

   The **Add tag** entry point is available to all authenticated users, but the flow can only be completed if you have permission to at least one asset category. If you reach the category step and see no categories, your account permissions need to be updated by an admin through the ADMIN panel.

2. Which devices are supported?

   Any iOS device with NFC hardware, iPhone 7 and newer. NFC access does not require an explicit user permission inside the app. The system handles it natively when the scan is invoked.

3. Do I need to enable NFC in my phone settings before using this feature?

   No. iOS does not expose an NFC toggle to end users. NFC is always available for app-initiated reads on supported devices. If the scanning sheet doesn't appear, the issue is usually device hardware support, not a setting you need to change.

4. I see the error "Connection failed." What now?

   This means the NFC read didn't complete. Select **Try again** and re-scan. If it keeps failing, select **Send Feedback** to send feedback to the Cisco Team.

These FAQs apply when you onboard a Cisco Asset Tag by using the Cisco Asset Tracker mobile app.

Tag onboarding requires supported NFC hardware and permission to access at least one asset category.

You can confirm device support and resolve common NFC onboarding issues.

Verify the device requirements, category permissions, and tag position before you retry the NFC scan.

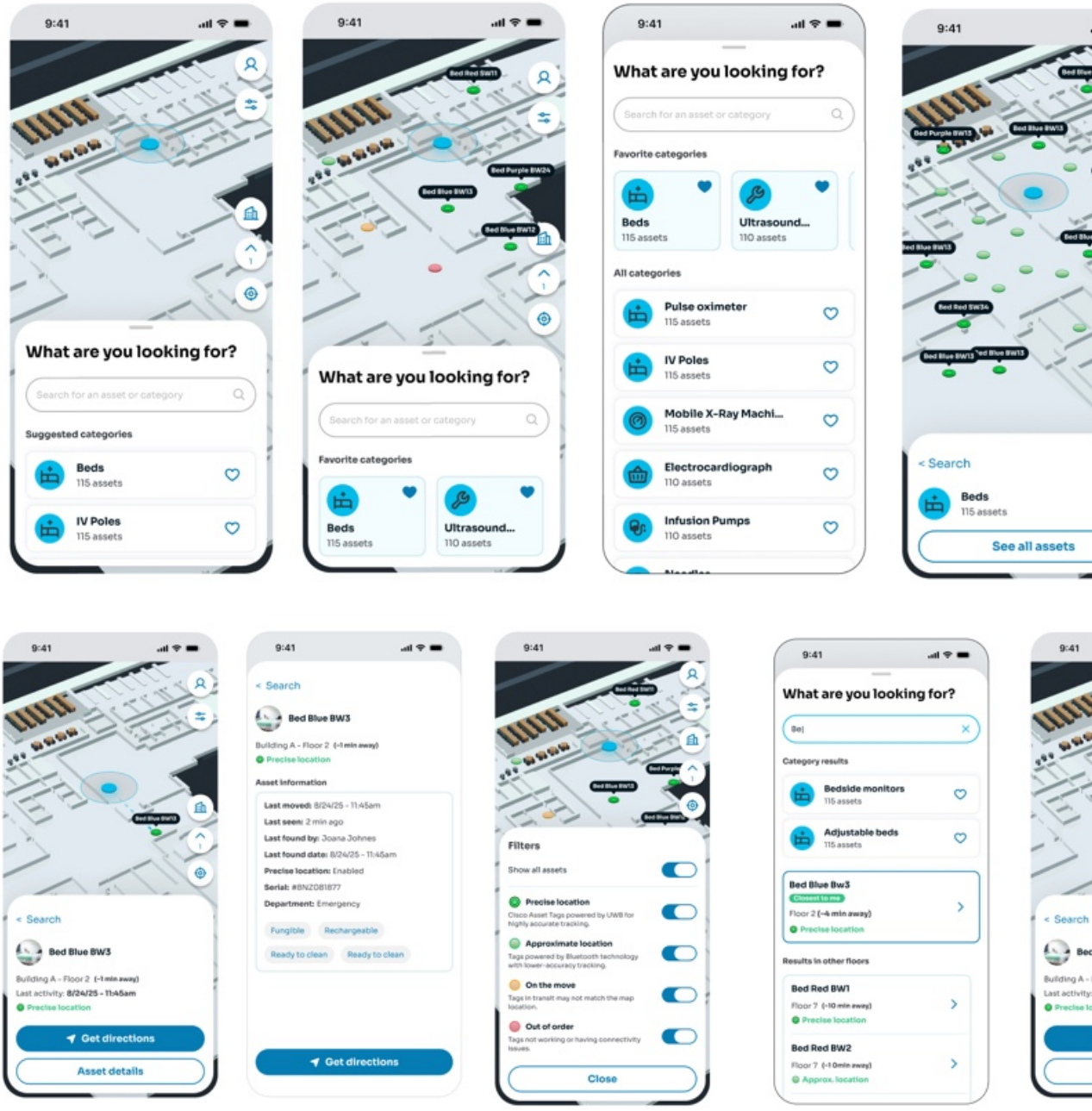
Search for an asset

Find a registered asset or view the assets associated with a category.

The search field is available from the action bottom sheet on the main home screen. Search results can show located assets, assets on the move, out-of-order assets, and assets on other floors.

- Precise-location assets use Ultra Wide Band for higher-accuracy location.
- Approximate-location assets use lower-accuracy location information.

Figure 7: Search for an asset



Before you begin

Before you search, verify the following requirements:

- You are logged in to the Cisco Asset Tracker mobile app.
- A building map is selected.
- You have access to the applicable asset categories.

Procedure

Step 1 Tap **What are you looking for?**.

Step 2 Enter an asset name or category, or select a suggested or favorite category.

Step 3 Swipe up on the search bottom sheet to open the full-screen results view, if necessary.

Step 4 Select a category to show the available located assets on the current floor map.

Step 5 Select **See all assets** to expand a result section, if necessary.

Step 6 Select the filters icon to control which asset states appear on the map, if necessary.

Step 7 Tap an asset in the results list or on the map.

The asset detail screen appears.

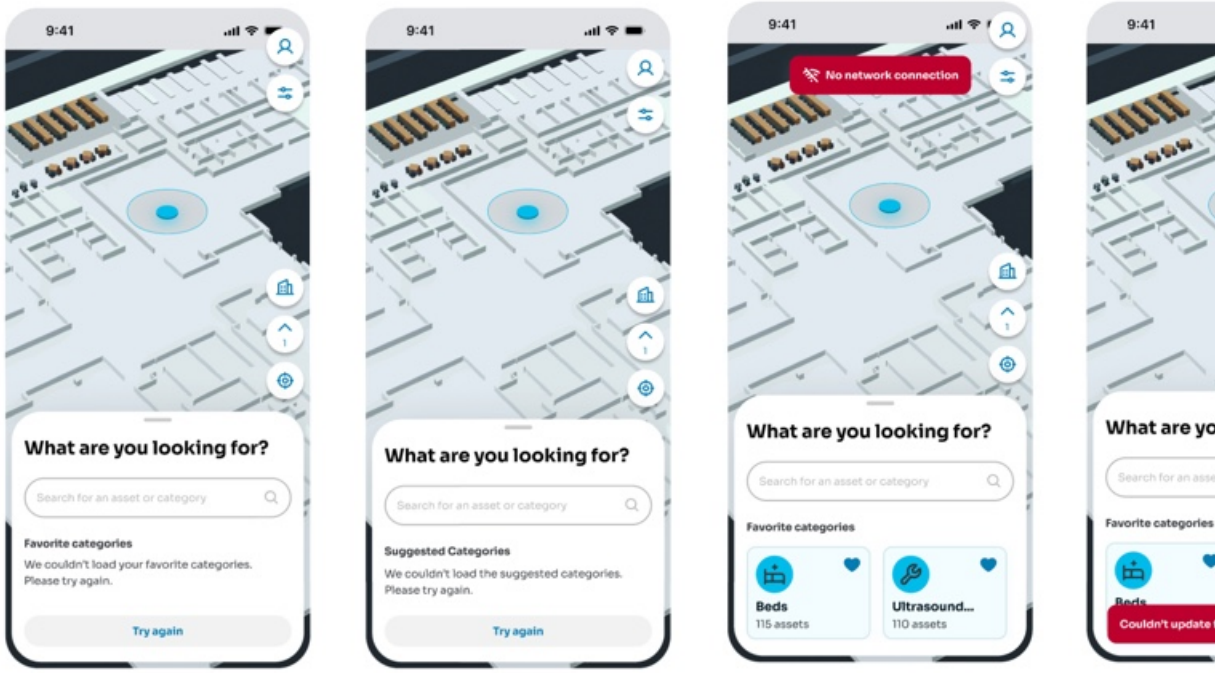
You can review the selected asset's information and mapped location.

What to do next

Select **Get directions** to start navigating to the asset.

- Use the floor control to browse another floor when no matching assets appear on the current map.
- Tap the heart icon to add a category to your favorites.

Figure 8: Edge Cases and Errors



Asset search FAQs

Asset search questions and answers

Use these answers when search categories or assets do not appear as expected.

1. I don't see any categories when browsing search.

   Category setup is done by the client system admin. Contact the system admin and ask them to update the category settings.

2. There are no assets available on my map.

   Assets can be scattered throughout the building. Use the floor icon button on the map to change floors and browse for the asset that you are looking for.

3. What does "asset on the move" mean?

   Assets on the move are assets that changed location recently. Someone else might have already taken the asset.

4. What does the precise-location tag mean?

   Precise-location assets are assets that have Ultra Wide Band (UWB) enabled. The location of a precise-location asset is more accurate than an approximately located asset.

5. How can I favorite a category?

   Tap the heart icon to favorite a category.

These FAQs apply when you search for assets or categories and review mapped search results.

Search results depend on category configuration, building and floor selection, and the latest location information received from each asset.

You can interpret search results and locate assets that are not visible on the current floor.

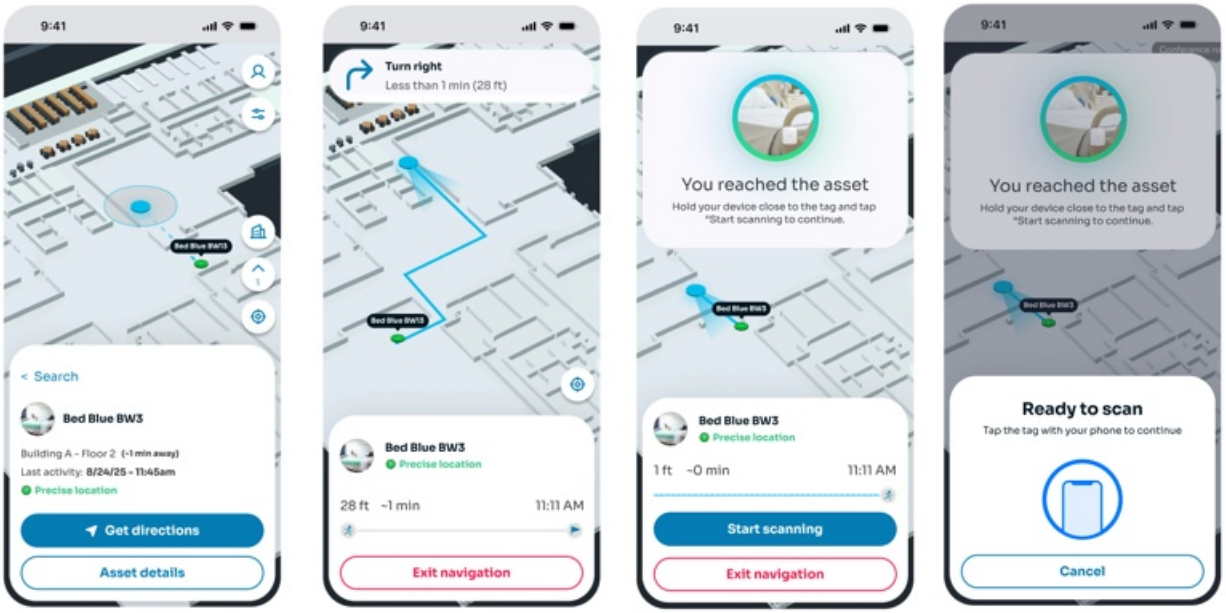
Review other floors and contact the system administrator if required categories are missing.

Navigate to an asset

Use in-building navigation to locate a selected asset on the same floor or a different floor.

The route includes required floor transitions, such as stairs or elevators. As you move, the app recalculates the route, remaining distance, time, and estimated arrival time.

Figure 9: Navigate to an asset



Before you begin

Before you start navigation, verify the following requirements:

- You selected an asset from search results or the map.
- Location, Bluetooth, and Motion permissions are enabled.

Procedure

Step 1 On the asset detail screen, select **Get directions**.

Step 2 Follow the route from your current location to the selected asset.

The top of the map shows the next direction. The bottom of the map shows the distance, time, and estimated arrival time.

Step 3 Continue following the updated route until the app displays **You reached the asset**.

Step 4 Select **Start scanning**.

The device activates NFC and displays the Ready to Scan prompt.

You have reached the asset location and can scan the physical Cisco Asset Tag.

What to do next

Tap the tag with your phone to confirm that you found the correct physical asset.

Asset navigation FAQs

Asset navigation questions and answers

Use these answers when you need help with indoor navigation to an asset.

1. Why do I need to enable Location, Bluetooth, and Motion permissions to use navigation?

   These three permissions work together to determine your exact position inside the building and keep the route accurate as you move. Location (GPS) provides your general position, Bluetooth detects nearby beacons used for indoor positioning, and Motion tracks your movement and heading. If any of them is disabled, the app cannot guide you to the asset.

2. Can I navigate to an asset that is on a different floor?

   Yes. If the asset is on a different floor, the route will include the necessary floor transitions, such as stairs or elevators, and the map will update as you move from one floor to the next.

3. What happens if I take a wrong turn or move off the suggested route?

   The route will automatically recalculate based on your new position, and the next direction at the top of the map will be updated so you can continue toward the asset without restarting navigation.

4. Why does the ETA or remaining distance change while I'm walking?

   The ETA, distance, and time are recalculated continuously based on your real-time position and pace. As you get closer to the asset, the remaining distance decreases and the ETA adjusts accordingly.

5. Is the navigation experience different for Cisco UWB Tags?

   Yes. When the selected asset uses a Cisco UWB Tag, the app switches to Nearby mode, which uses ultra-wideband technology for higher-precision proximity guidance during the final approach.

These FAQs apply while you follow indoor directions to an asset.

Accurate navigation depends on device permissions, live position updates, and the asset's floor and location technology.

You can understand route changes and continue navigating across floors.

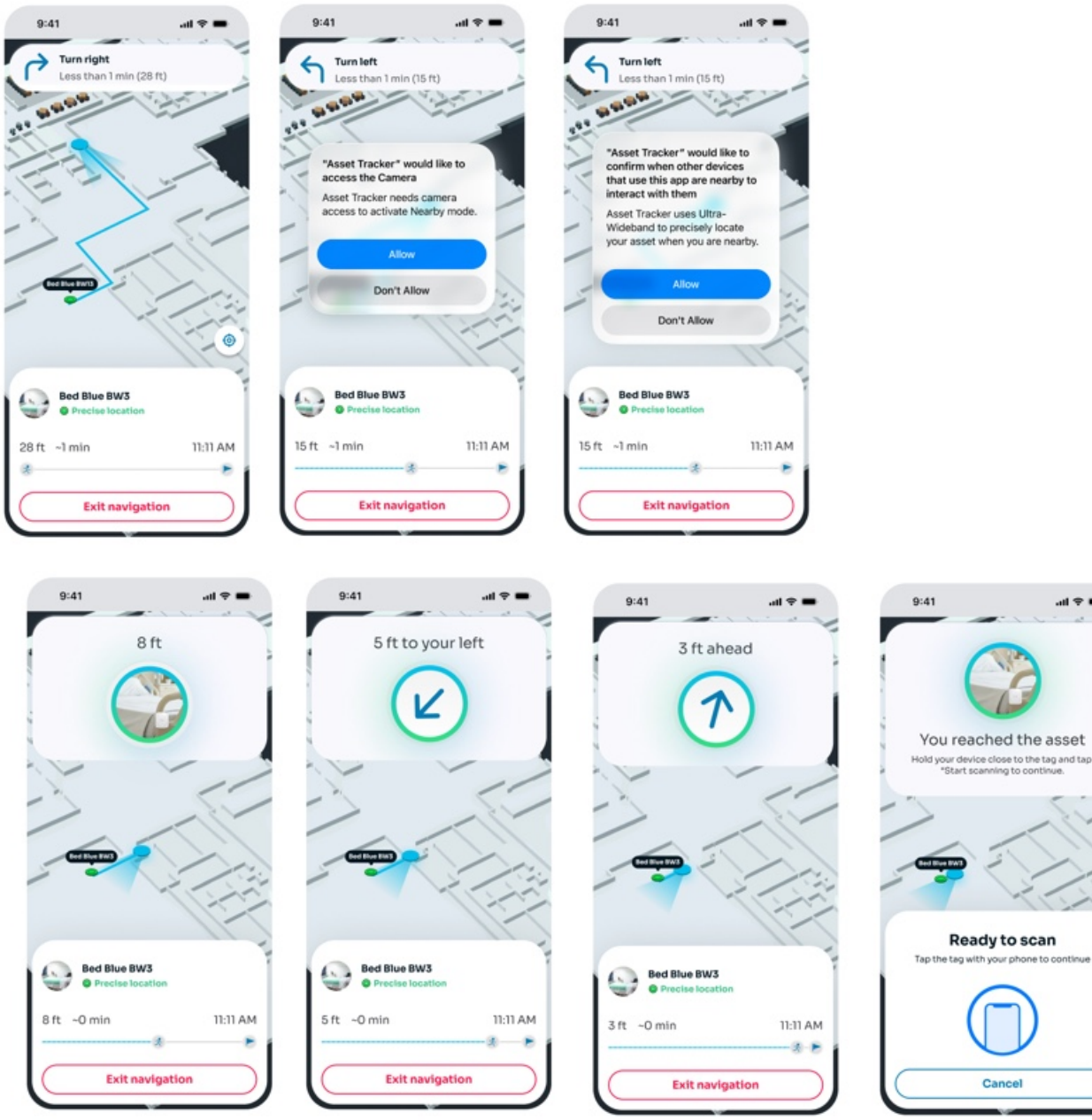
Enable the required permissions and continue following the recalculated route.

Use Nearby mode

Use distance and directional guidance to locate a supported Cisco UWB Asset Tag.

Nearby mode activates when the device detects the tag's UWB signal during navigation, typically within approximately 20 ft of the tag. If Nearby mode is unavailable, the app continues to provide turn-by-turn map navigation.

Figure 10: Nearby mode



Before you begin

Before you use Nearby mode, verify the following requirements:

- You are using an iPhone with a U1 or U2 chip, iPhone 11 or later.
- The asset uses a Cisco Asset Tag that supports UWB technology.
- Camera and Nearby Interaction permissions are enabled.
- Navigation to the asset is active.

Procedure

Step 1 Allow the app to access the camera and Nearby Interaction when prompted.

Step 2 Continue navigating until Nearby mode activates.

Step 3 Follow the distance and directional guidance, such as **5 ft to your left** or **3 ft ahead**.

If the directional arrow does not appear, move the device from side to side and make sure that nothing obstructs the camera or the top edge of the phone.

Step 4 When the app displays **You reached the asset**, select **Start scanning**.

Step 5 Tap the tag with your phone.

You have reached the asset and started NFC confirmation of its physical tag.

What to do next

If the UWB signal cannot recover, continue by using map navigation.

- If another user is navigating to the same asset, the app displays an alert.
- If the asset has an active Nearby request from the last 2 minutes, the app displays **Nearby mode not available**.

Nearby mode FAQs

Nearby mode questions and answers

Use these answers when UWB Nearby mode does not start or does not provide the expected guidance.

1. Which devices and tags support Nearby mode?

   Nearby mode requires a modern iPhone with a U1 or U2 chip, iPhone 11 and later, and a Cisco Asset Tag that supports Cisco's UWB technology.

2. How close does the user need to be for Nearby mode to start?

   Nearby mode activates as soon as the device detects the tag's UWB signal during navigation, typically within approximately 20 ft of the tag as the user approaches the asset.

3. What if the user doesn't allow camera or Nearby Interaction?

   Nearby mode won't activate. The app keeps guiding the user with the turn-by-turn route on the map until it detects arrival and shows the **You reached the asset** confirmation with the **Ready to Scan** prompt.

4. The arrow doesn't appear. What should the user do?

   Move the device side to side and make sure nothing is obstructing the camera or the top edge of the phone so that the directional arrow can lock onto the tag.

5. What happens if the UWB signal drops during Nearby mode?

   If the signal can't recover, the app falls back to map navigation.

These FAQs apply during the final approach to an asset with a Cisco UWB Asset Tag.

Nearby mode depends on compatible hardware, UWB signal detection, camera access, and Nearby Interaction permission.

You can identify why Nearby mode is unavailable and continue locating the asset.

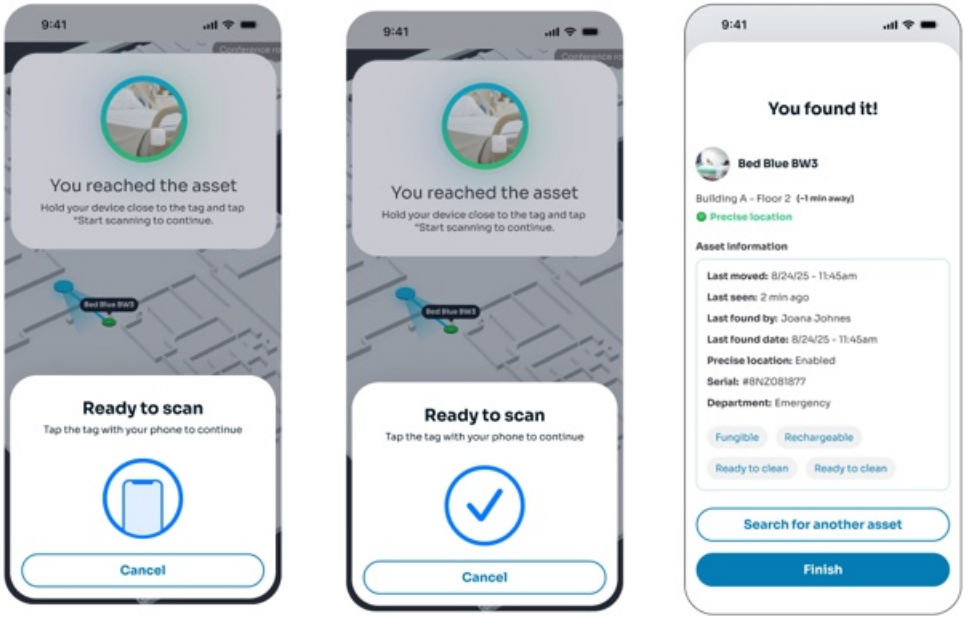
Confirm device compatibility and permissions, then continue with map navigation if the UWB signal is unavailable.

Confirm an asset by tapping its tag

Confirm the physical asset after navigation so that you verify the exact tagged item instead of only its approximate location.

When you get within 3 ft of the target asset, the app displays **You reached the asset** and activates the device's NFC reader.

Figure 11: Tap a tag



Before you begin

Before you scan the tag, verify the following requirements:

- The app displays the Ready to Scan prompt.
- The physical asset has a Cisco Asset Tag attached.

Procedure

Step 1 Bring your phone close to the Cisco Asset Tag.

Step 2 Hold the phone near the tag until the app recognizes it.

The app displays the asset information and confirms that you found the asset.

Step 3 Select **Finish** to end navigation, or select **Search for another asset**.

The correct physical asset is confirmed.

What to do next

If the NFC scan does not complete, retry the scan.

- If the app displays **Connection failed**, select **Try again** and slowly bring the phone close to the tag.
- If the app displays **Unsupported tag**, verify that you are scanning a Cisco Asset Tag.
- If the app displays **You've tapped a different asset**, select **Use this asset instead** or **Return to navigation**.

Tag confirmation FAQs

Tag confirmation questions and answers

Use these answers when you confirm a physical asset by scanning its Cisco Asset Tag.

1. How does the app know I've reached the asset?

   When you get within 3 ft of the target asset, the app automatically detects that you've arrived and displays the **You reached the asset** confirmation. The device's NFC reader is then activated automatically so you can scan the tag to confirm the find.

2. Why do I need to scan the NFC tag after reaching the asset?

   Scanning the tag confirms that you've located the correct physical asset, not just an area near it. Once the tag is recognized, you'll see the asset's information and can either end the navigation or start searching for a new asset.

3. What should I do if I see the "Connection failed" screen?

   This usually means the NFC scan didn't complete successfully, most often because the device was moved toward the tag too abruptly. Select **Try again** and slowly bring the device close to the tag to retry the scan.

4. Why am I seeing the "Unsupported tag" message?

   The NFC feature only supports Cisco Asset Tags. If you scan a tag from another manufacturer, the app won't be able to read it and will display the **Unsupported tag** message. Make sure you're scanning a Cisco-issued tag.

5. What happens after the tag is successfully recognized?

Once the tag is recognized, you'll be able to view detailed information about that asset. From there, you can finish the navigation session or search for another asset to navigate to.

These FAQs apply after you reach an asset and use NFC to confirm its physical Cisco Asset Tag.

NFC confirmation verifies the exact physical asset in environments where multiple assets might be close together.

You can complete tag confirmation or identify why the NFC scan failed.

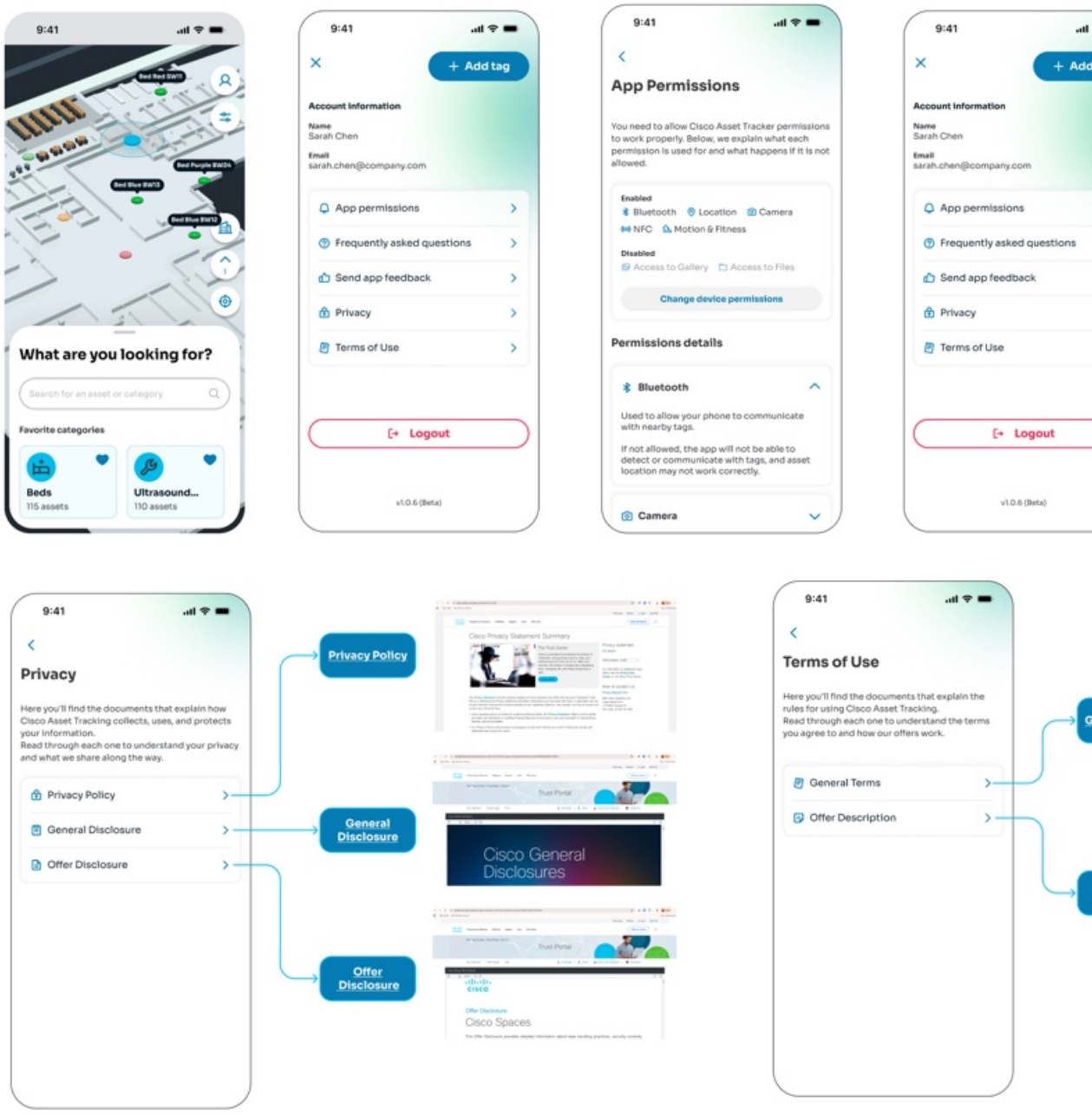
Retry the scan slowly and verify that the tag is a supported Cisco Asset Tag.

Use the user profile

Use the profile to review your account and app permissions or access mobile app support and legal information.

The User icon is located in the top-right corner of the map. The profile shows your name and email address and provides access to the available profile actions.

Figure 12: Profile



Before you begin

You must be logged in to the Cisco Asset Tracker mobile app.

Procedure

Step 1 On the map, tap the User icon.

Step 2 Review your account information.

Step 3 Select the required profile option.

- Select **Add tag** to start onboarding a Cisco Asset Tag.
- Select **App permissions** to review Bluetooth, Location, Camera, NFC, Motion & Fitness, Gallery, and Files permissions.
- Select **Frequently asked questions** to access the app FAQ.
- Select **Send app feedback** to send feedback to the Cisco Team.
- Select **Privacy** to access privacy documents.
- Select **Terms of Use** to access terms and offer documents.
- Select **Logout** to sign out of the app.

Step 4 If you selected App permissions, select **Change device permissions** to open the native permission settings, if necessary.

You reviewed or updated the selected profile information or option.

What to do next

Return to the map to continue searching for and locating assets.