Configuring RFID Tag Tracking

Finding Feature Information

Your software release may not support all of the features documented in this module. For the latest feature information and caveats, see the release notes for your platform and software release.

Use Cisco Feature Navigator to find information about platform support and Cisco software image support. To access Cisco Feature Navigator, go to http://www.cisco.com/go/cfn. An account on Cisco.com is not required.

Information About Configuring RFID Tag Tracking

The Controller enables you to configure radio-frequency identification (RFID) tag tracking. RFID tags are small wireless devices that are affixed to assets for real-time location tracking. They operate by advertising their location using special 802.11 packets, which are processed by access points, the controller, and the location appliance.

How to Configure RFID Tag Tracking

Configuring RFID Tag Tracking (CLI)

SUMMARY STEPS

1. **location rfid status**
2. (Optional) **no location rfid status**
3. **location rfid timeout** *seconds*
4. **location rfid mobility vendor-name** *name*
5. (Optional) **no location rfid mobility** *name*

DETAILED STEPS

	Command or Action	Purpose
Step 1	**location rfid status** **Example:** Controller(config)# **location rfid status**	Enables RFID tag tracking. By default, RFID tag tracking is enabled.
Step 2	(Optional) **no location rfid status** **Example:** Controller(config)# **no location rfid status**	Disables RFID tag tracking.
Step 3	**location rfid timeout** *seconds* **Example:** Controller(config)# **location rfid timeout 1500**	Specifies a static timeout value (between 60 and 7200 seconds). The static timeout value is the amount of time that the controller maintains tags before expiring them. For example, if a tag is configured to beacon every 30 seconds, we recommend that you set the timeout value to 90 seconds (approximately three times the beacon value). The default value is 1200 seconds.
Step 4	**location rfid mobility vendor-name** *name* **Example:** Controller(config)# **location rfid mobility vendor-name Aerosct**	Enables RFID tag mobility for specific tags. When you enter the **location rfid mobility vendor-name** command, tags are unable to obtain a DHCP address for client mode when attempting to select and/or download a configuration. **Note** These commands can be used only for Pango tags. Therefore, the only valid entry for **vendor_name** is "pango" in all lowercase letters.
Step 5	(Optional) **no location rfid mobility** *name* **Example:** Controller(config)# **no location rfid mobility test**	Disables RFID tag mobility for specific tags. When you enter the **no location rfid mobility** command , tags can obtain a DHCP address. If a tag roams from one subnet to another, it obtains a new address rather than retaining the anchor state.

Monitoring RFID Tag Tracking Information

This section describes the new commands for the RFID tag tracking Information.

The following commands can be used to monitor the RFID tag tracking Information on the controller.

Table 1: Monitoring RFID Tag Tracking Information Commands

Command	Purpose
show location rfid config	Displays the current configuration for RFID tag tracking.
show location rfid detail *mac_address*	Displays the detailed information for a specific RFID tag.
show location rfid summary	Displays a list of all RFID tags currently connected to the controller.
show location rfid client	Displays a list of RFID tags that are associated to the controller as clients.

Additional References RFID Tag Tracking

Related Documents

Related Topic	Document Title
System management commands	*System Management Command Reference, Cisco IOS XE Release 3SE (Cisco WLC 5700 Series)*

Standards and RFCs

Standard/RFC	Title
None	—

MIBs

MIB	MIBs Link
All supported MIBs for this release.	To locate and download MIBs for selected platforms, Cisco IOS releases, and feature sets, use Cisco MIB Locator found at the following URL: http://www.cisco.com/go/mibs

Technical Assistance

Description	Link
The Cisco Support website provides extensive online resources, including documentation and tools for troubleshooting and resolving technical issues with Cisco products and technologies. To receive security and technical information about your products, you can subscribe to various services, such as the Product Alert Tool (accessed from Field Notices), the Cisco Technical Services Newsletter, and Really Simple Syndication (RSS) Feeds. Access to most tools on the Cisco Support website requires a Cisco.com user ID and password.	http://www.cisco.com/support

Feature History and Information For Performing RFID Tag Tracking Configuration

Release	Feature Information
Cisco IOS XE 3.2SE	This feature was introduced.