

iKnos Corporate

INSTALLATION GUIDE



Aruba Central
Integration Guide

iKnos Corporate by Foot Analytics

Last revision
November 2022

CONTENTS

ARUBA CENTRAL INTEGRATION	2
Streaming API integration	2
RTLS Integration	4

ARUBA CENTRAL INTEGRATION

Aruba Central is Aruba's cloud controller, from which all the parameters of the different buildings and associated APs can be configured.

Currently, there are **two licenses** available to assign to the APs. Specific details of each can be found on the [official website](#).

The available integrations are:

- **Streaming API:** Available with the **Advance License**.
- **Location Service:** Available with the **Foundation License**

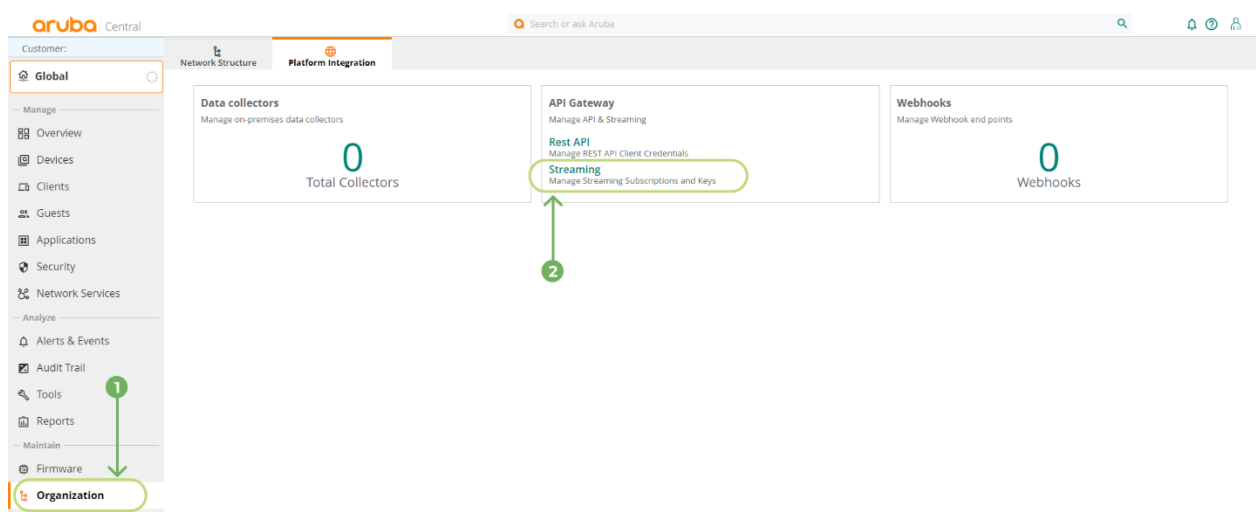
Streaming API integration

This integration consists mainly of connecting via the WSS (Secure WebSocket) protocol from the Foot Analytics platform to Aruba Central's cloud.

Foot Analytics uses a secret credential to connect to the URL indicated by Aruba Central to receive the data.

The customer must activate the API in his Aruba Central dashboard by going to the following:

Organization > Platform Integration > Streaming



IMPORTANT

This option will not appear if none of the devices has an **Advance License**.

Once inside, the **Presence** event must be activated, and the **Endpoint** and the **Streaming Key** must be shared with Foot Analytics (when the button is clicked, it will be saved in the **clipboard**).

Network Structure | Platform Integration

← Streaming

Endpoint
ws://app2-ap.central.arubanetworks.com/streaming/api

Copy Streaming Key | Download Streaming Protobuf Definition

Streaming APIs		
Topic	Subscribe	Protobuf Definition
Apprf	<input type="checkbox"/>	↓
Audit	<input type="checkbox"/>	↓
Monitoring	<input type="checkbox"/>	↓
Location	<input type="checkbox"/>	↓
Presence	<input checked="" type="checkbox"/>	↓
Security	<input type="checkbox"/>	↓

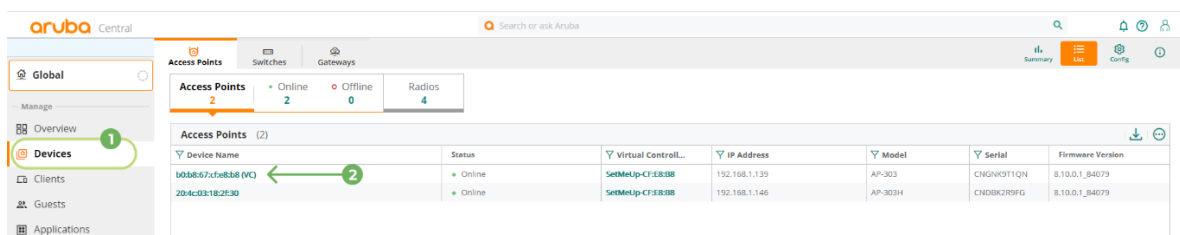
RTLS Integration

In this case, Aruba Central allows us to configure the APs to send RTLS (*Real Time Location Services*) data to the location server of our choice.

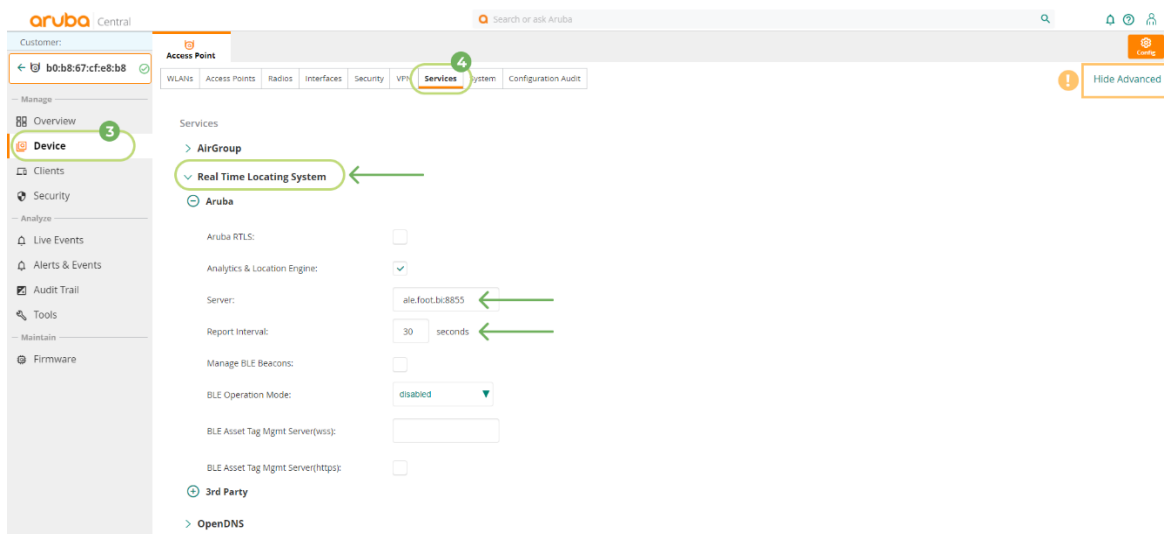
Foot Analytics provides a compatible ALE instance.

To apply the configuration, we must access the device tab:

Devices (1) > Select the desired AP or Group (2)



Then: *Device (left menú, 3) > Services (top menu, 4) > Real Time Locating System*



IMPORTANT

If the Services tab does not appear, check that the **display of advanced settings** is activated (orange rectangle in the image above).

At this point, we can configure the connection for ALE:

- Server: 54.76.148.47:8855
- Report interval: 10s