



Meraki Access Point Setup

User Guide

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Introduction

The document gives you an opportunity to get our analytics using Cisco Meraki Access Points.

To start the **Data Integration to Kiana**, please do the following on the Kiana App selection page:

- click the **Setup** icon;
- in the top right corner, click the **More Options** menu, and choose **Sensor setup**;
- in the Sensor setup window, choose **Meraki**.

There, you can set up Cisco Meraki APs posting to the Kiana Cloud. For this, you need to log in with your credentials to the Kiana project and the [Cisco Meraki](#) account at the same time.

Project structure creation

There are two ways to discover / create your project structure. They are as follows:

- [Via Dashboard API](#)
- [Manually](#)

Dashboard API

This chapter provides you with the steps / screenshots required to set up Dashboard API and the Project structure discovery process. First, you need to:

1. Create a user with the Read-only access. For this:
 - a) log in with the admin account to the Cisco Meraki page;
 - b) choose the **Organization** ⇒ **Administrators** window;
 - c) in the top right corner, click the **Add admin** button;

Software Firma administrators

Force logout | Unlock | Delete | Search admins...

Add admin

<input type="checkbox"/>	Name *	Email address	Privilege ⓘ	Account status ⓘ	Authentication method	Two-factor authentication	Has API key	Last active
<input type="checkbox"/>	Organization	Ok	Email	Off	Yes	27 окт. 2020 г., GMT+2
<input type="checkbox"/>	Organization	Ok	Email	Off	Yes	27 окт. 2020 г., GMT+2
<input type="checkbox"/>	Organization	Unverified	Email	Off	No	Never
<input type="checkbox"/>	Organization (Read)	Ok	Email	Off	Yes	27 июл. 2020 г., GMT+3
<input type="checkbox"/>	Organization	Ok	Email	Off	Yes	9 февр. 2020 г., GMT+2
<input type="checkbox"/>	Organization	Ok	Email	Off	Yes	2 сент. 2020 г., GMT+3
<input type="checkbox"/>	Organization	Ok	Email	Off	No	27 июн. 2018 г., GMT+3
<input type="checkbox"/>	Organization Systems Manager	Ok	Email	Off	Yes	23 окт. 2020 г., GMT+3

Adding admin

- d) in the Name field, enter your name;
 e) in the Email field, enter the email;



We do not recommend using personal emails. For this purpose, please create a service email.

- f) in the Organization access field, choose **Read-only**;



Optional: To add a specific network instead of the whole organization, please take the following steps: **Target** ⇒ **+Add access privileges** ⇒ **Pick target** ⇒ choose the necessary network from the popup window ⇒ **Read-only** in the Access field.

- g) in the bottom right corner, click **Create admin**, and then **Save Changes**.

Create administrator

Name:

Email:

Organization access:

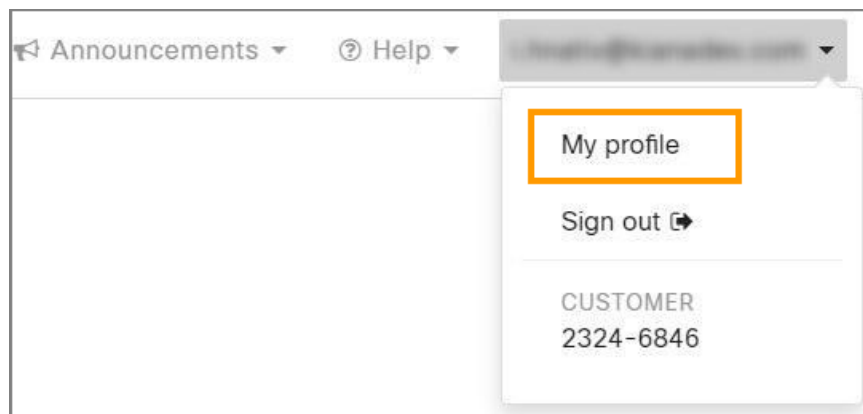
Target | **Access**

[+ Add access privileges](#)

privacy

Creating administrator

2. Accept the invitation and log in with the Read-only access admin account;
3. In the top right corner, click the **My Profile** button;



4. Go to the **API access / API keys** section;
5. Click the **Generate new API key** button;
6. Copy your API key. For this, click **Copy** ⇒ **I have stored my new API key** ⇒ **Done**;

New API key

Your API key is

0a4ac502bed404bb8a24108c5c0daba17c2b3c17

Copy and store your API key in a safe place

Dashboard does not store API keys in plaintext for security reasons, so this is the *only* time you will be able to record it. If you lose or forget your API key, *you will have to revoke it and generate a new one.*

I have stored my new API key

Done

Generating your new API key

7. In Kiana Sensor Setup, click **Add**, paste your API key, and choose **Group by network**.



If you choose **Group by network**, a Network becomes a Site, and all its Floors become Kiana Floors. If you **do not choose** Group by network, a Floor Plan becomes a Site, and the Site has one Floor only.

8. Click **Save**;

(The project structure discovery starts in less than 20 minutes).

The screenshot shows the 'Sensor setup' interface with a sidebar on the left listing vendors: Fortinet, Aruba (KAPA), Aruba (ALE), and Meraki. The main area is titled 'Dashboard API key' and is marked as 'Optional'. It contains an 'API key' input field with a blurred value. Below the input field, the 'Group by network' checkbox is checked and highlighted with an orange box. At the bottom of the form, a 'Save' button is highlighted with an orange box, and a 'Close' button is visible on the right.

Saving Dashboard API key

Manual project structure creation

- in the current project create a Site;
- add Floors to your Site (optional). Note that by default the Ground Floor is created automatically when you add a Site;
- upload the indoor map for the Floors (optional);
- after submitting the Scanning API, please manually add the Access Points to the corresponding Site / Floor (if you decided not to use Dashboard API);



All the information necessary for managing your Customer Project is presented in the Help document in the Setup application.

- determine the location of devices.



Please check the distance between sensors with a ruler. The distance between sensors presented on the map should be realistic, otherwise, the localization system can behave unexpectedly as we smooth transitions made with speed > 1 m/sec.

Scanning API

To start the AP discovery (in case you have not enabled the Dashboard API key) and import process, you need to:

1. Using your admin account, go to the Cisco Meraki page, and choose the **Network-wide General** window;
2. Under **Location and Scanning**, set **Analytics** and **Scanning API** to **enabled**, and save the changes;
3. Copy the Validator and paste it into the **Validator** field on the Kiana page;
4. Enter the network name (this will be used to mark APs);

The screenshot shows the 'Validators' section in the Cisco Meraki dashboard. On the left, there is a sidebar with 'Meraki', 'Ruckus', and 'Extreme' options. The main area has a 'Test Network' input field. Below it, there is a 'Save' button with a checkmark icon, which is highlighted with an orange border. To the right of the 'Save' button is a 'Close' button with an 'X' icon.

Saving the Validator

5. Save the applied changes;
6. On the Cisco Meraki page, click **Add a Post URL**;
7. Copy the Post URL and Secret from Kiana and paste them to Cisco Meraki. Use API version 2.0 and Radio Type Wi-Fi;

The screenshot shows the 'Location and scanning' section in the Cisco Meraki dashboard. It includes dropdown menus for 'Analytics enabled' and 'Scanning API enabled'. Below these is the 'Validator' field, which contains a long alphanumeric string. Underneath is a table for 'Post URLs' with columns for 'Status', 'Post URL', 'Secret', 'API Version', and 'Radio Type'. The 'Validate' button in the table is highlighted with an orange border.

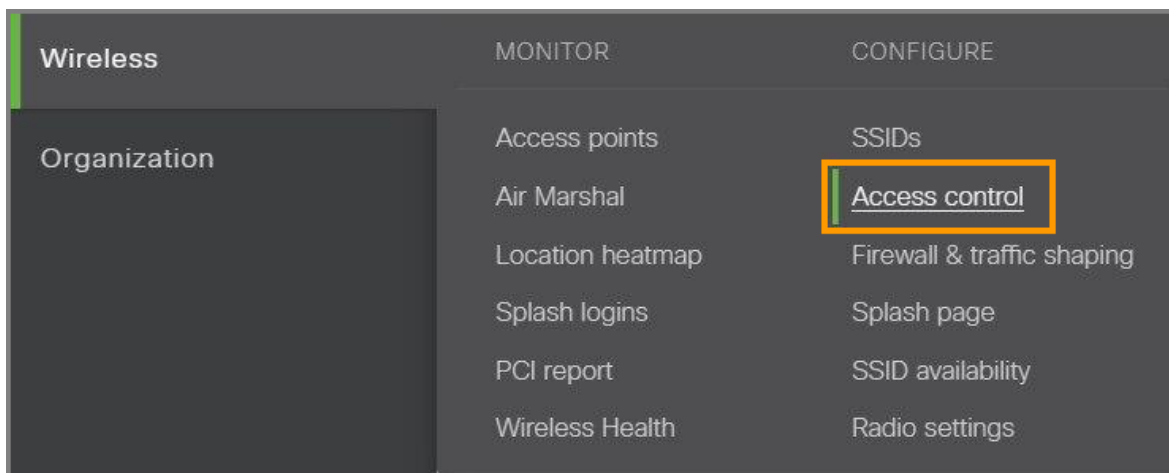
Validating Post URLs

8. Click **Validate** and **Save changes** (The import should start in less than 10 minutes).

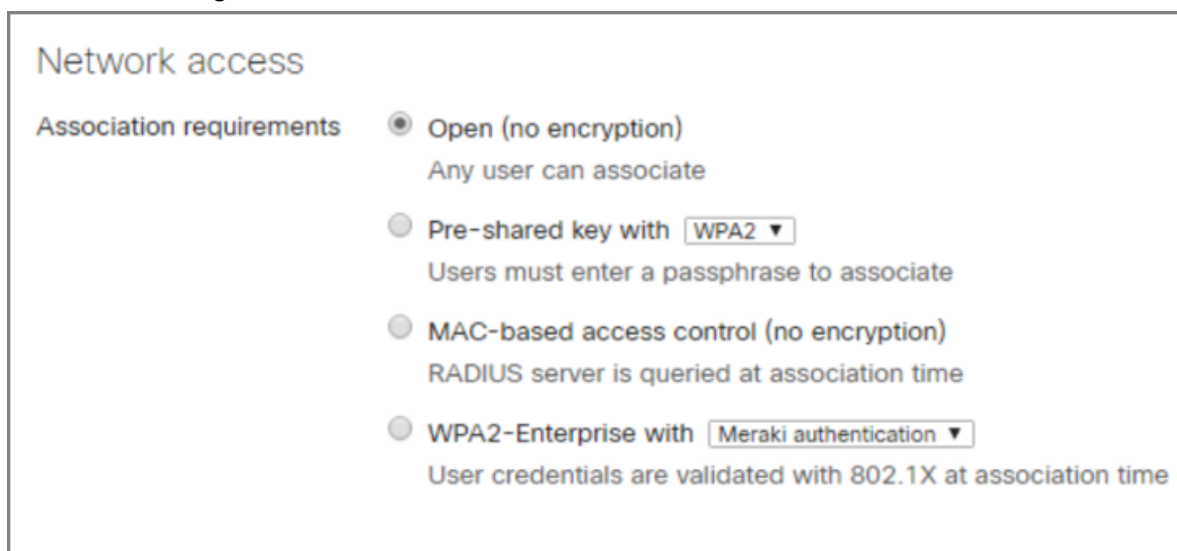
Social Wi-Fi (optional)

This chapter provides you with the console commands / screenshots required to **set up Social Wi-Fi reporting for Cisco Meraki**. For this, log in to the Cisco Meraki Dashboard. Here, you need to:

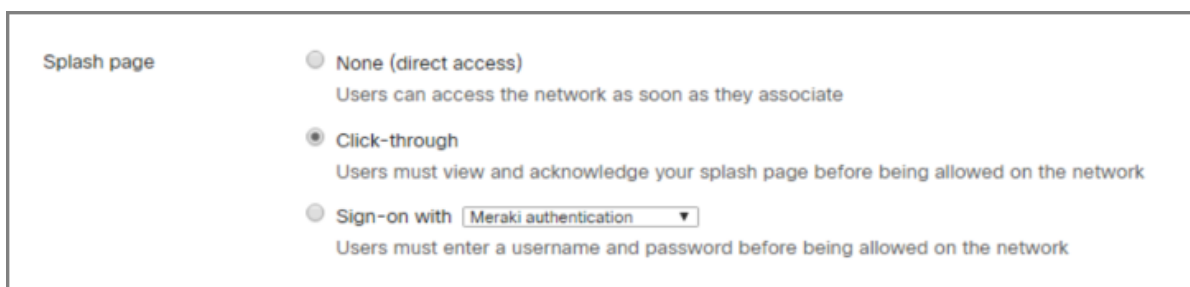
- 1) choose an organization and network;
- 2) go to the Wireless / Configure / Access control page;



- 3) choose the SSID;
- 4) set Network access/Association requirements to Open and Network Splash page to Click-through;



Setting Network access/Association requirements to Open



Setting Network Splash page to Click-through

- 5) save all the introduced changes;
- 6) go to the Wireless Splash page and choose the SSID;
- 7) select the Custom splash URL and insert either <https://socialwifi-eu.kiana.io/wifi.html> (if your project is in the EU data hosting region) or <https://socialwifi.kiana.io/wifi.html> (if your project is in the US data hosting region).



For other regions, please contact support@kianaanalytics.com

- 8) set the desired Splash frequency and the URL where users should go after the Splash page;

Splash behavior

Splash frequency ▼
[What is this?](#)

Where should users go after the splash page?
 The URL they were trying to fetch
 A different URL:

- 9) Save all the introduced changes;
- 10) go back to the **Wireless / Configure / Access** control page;
- 11) Enable the Walled garden and in the Walled garden ranges insert the URLs or IP ranges, which should be accessible before the login, e.g., Splash page URL or Facebook in case you want to have the Facebook login).