How to Configure a Meraki Wireless Controller to Secure Your Guest Wireless Network

LEGAL NOTICE:

Copyright © 2017 Access Layers US, Inc. (Portnox)

All rights reserved. Proprietary and confidential material.

Introduction

This document guides you step by step how to configure your Meraki wireless guest environment using Portnox CLEAR to control guest user access.

Enabling CLEAR RADIUS Service

The first step is to enable the CLEAR RADIUS service.

1) Verify your organization is registered on Portnox CLEAR Cloud Services: https://clear.portnox.com/.
2) In the CLEAR portal, go to **Settings** > **Services** and expand **CLEAR RADIUS Service**. Then:
    a. If the **Enable Cloud RADIUS** checkbox is not checked, click **Edit** and check the **Enable Cloud RADIUS** checkbox.
    b. Note the RADIUS server details which you will need when configuring the Meraki switch:
        - **Cloud RADIUS IP** - this is the IP address of the CLEAR RADIUS server
        - **Authentication port**
        - **Shared Secret** – this is the RADIUS client shared secret

Enabling CLEAR Captive Portal Service

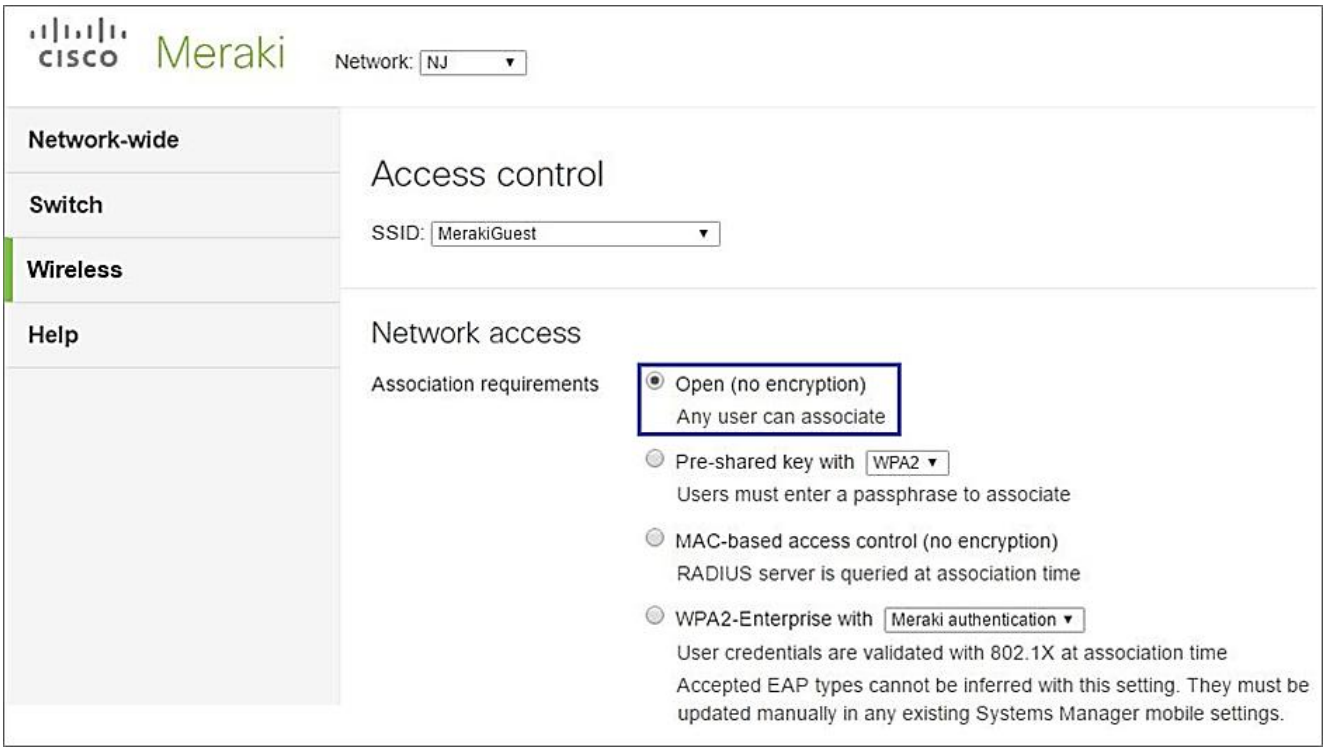
The second step is to enable the CLEAR Captive Portal (=Guest portal).

1) In the CLEAR portal, go to **Settings** > **Services** and expand **CLEAR Captive Portal Service**. Then:
    a. If the **Enable CLEAR Captive Portal** checkbox is not checked, click **Edit** and check the **Enable CLEAR Captive Portal** checkbox.
    b. Note the **URL**, which you will need when configuring the Meraki switch.

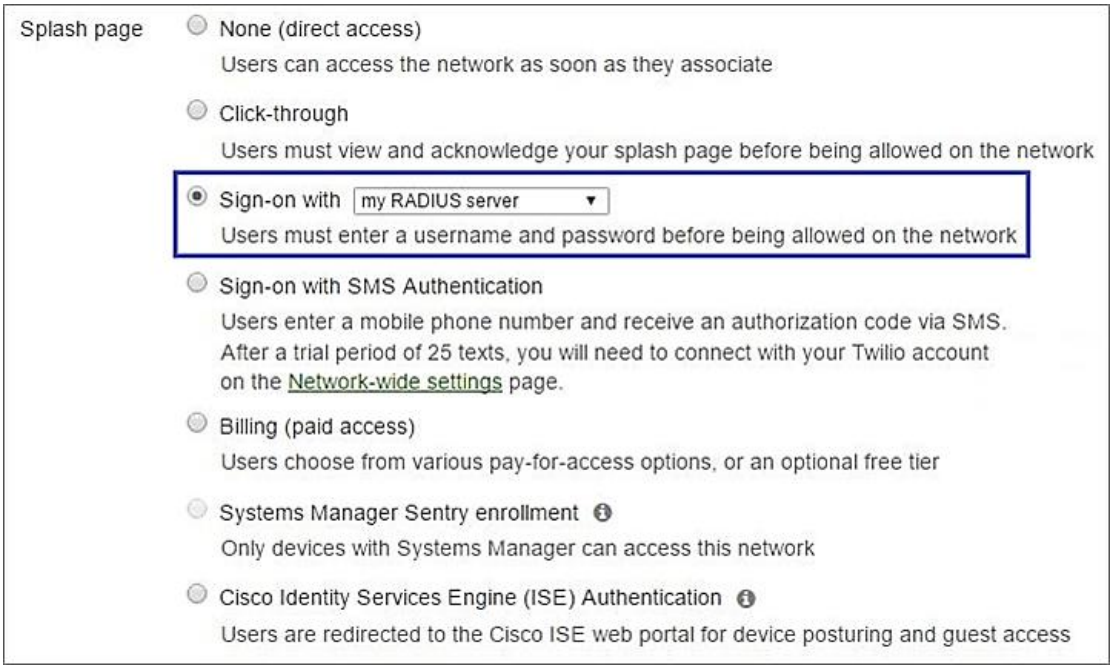
Configuring the Meraki Wireless Controller

In the final step, we configure the Meraki guest wireless SSID to control guest user access.

1) In the Meraki portal, navigate to **Wireless** > **Configure** > **Access Control**.
2) In the Access Control window:
   a. In the **SSID** drop down list, select the SSID of the wireless network to be secured (or navigate to **Wireless** > **Configure** > **SSIDs** and create a new SSID).
   b. In **Association requirements**, select **Open (no encryption)**.



3) In the Access Control window, in **Splash page**, select **Sign-on with: my RADIUS server**.



4) In the Access Control window, in **RADIUS for splash page**:

   a. Click **Add a server**.

   b. Enter the following CLEAR RADIUS server details, which you noted in Enabling CLEAR RADIUS Service, step 2b:

      - In **Host**, enter the Cloud RADIUS IP.
      - In **Port**, enter the Authentication port.
      - In **Secret**, enter the Shared Secret.

   c. Click **Save Changes**.

5) Navigate to **Wireless** > **Splash page** and then:

   a. Select the relevant **SSID**.

   b. In **Custom splash URL** select **Or provide a URL where users will be redirected**, and enter the CLEAR Captive Portal Service **URL** which you noted in Enabling CLEAR Captive Portal Service, step 1b.

6) Click **Save Changes**.