



Access control

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SSID: WBPS - BYOD

Network access

Association
requirements

- ☐ Open (no encryption)
Any user can associate
- ☐ Pre-shared key (PSK)
Users must enter a passphrase to associate
- ☐ MAC-based access control (no encryption)
RADIUS server is queried at association time
- ☒ Enterprise with my RADIUS server
User credentials are validated with 802.1X at association time
- ☐ Identity PSK with RADIUS
RADIUS server is queried at association time to obtain a passphrase for a device based on its MAC address
- ☐ Identity PSK without RADIUS
Devices are assigned a group policy based on its passphrase

WPA encryption mode

WPA2 only (recommended for most deployments)

802.11r

Disabled

802.11w

Enabled (allow unsupported clients)

Splash page

- ☒ None (direct access)
Users can access the network as soon as they associate
- ☐ Click-through
Users must view and acknowledge your splash page before being allowed on the network
- ☐ Sponsored guest login
Guests must enter a valid sponsor email and own email address before being allowed on the network
- ☐ Sign-on with Meraki Cloud Authentication
Users must enter a username and password before being allowed on the network
- ☐ Sign-on with SMS Authentication
Users enter a mobile phone number and receive an authorization code via SMS.
After a trial period of 25 texts, you will need to connect with your Twilio account on the [Network-wide settings](#) page.
- ☐ Cisco Identity Services Engine (ISE) Authentication
Users are redirected to the Cisco ISE web portal for device posturing and guest access
- ☐ Systems Manager Sentry enrollment
Only devices with Systems Manager can access this network
- ☐ Billing (paid access)
Users choose from various pay-for-access options, or an optional free tier

EAP Timeout	Default		second(s)
EAP Max Retries	Default		time(s)
EAP Identity Timeout	Default		second(s)
EAP Identity Retries	Default		time(s)
EAPOL Key Timeout	Default		milliseconds
EAPOL Key Retries	Default		time(s)

RADIUS servers	#	Host	Port	Secret	Actions
	1	IP Address of NPS	1812		<button>Test</button>
Add a server					

RADIUS testing ⓘ	RADIUS testing disabled
RADIUS CoA support ⓘ	RADIUS CoA disabled
RADIUS attribute specifying group policy name	Filter-Id ⓘ
RADIUS accounting	RADIUS accounting is disabled
RADIUS proxy ⓘ	Do not use Meraki proxy

Assign group policies by device type ⓘ Disabled: do not assign group policies automatically

Addressing and traffic

- Client IP assignment
- ☐ NAT mode: Use Meraki DHCP
Clients receive IP addresses in an isolated 10.0.0.0/8 network. Clients cannot communicate with each other, but they may communicate with devices on the wired LAN if the [SSID firewall settings](#) permit.
 - ☒ Bridge mode: Make clients part of the LAN
Meraki devices operate transparently (no NAT or DHCP). Wireless clients will receive DHCP leases from a server on the LAN or use static IPs. Use this for wireless clients requiring seamless roaming, shared printers, file sharing, and wireless cameras.
 - ☐ Layer 3 roaming
Clients receive DHCP leases from the LAN or use static IPs, similar to bridge mode. If the client roams to an AP where their original IP subnet is not available, then the client's traffic will be forwarded to an anchor AP on their original subnet. This allows the client to keep the same IP address, even when traversing IP subnet boundaries.
 - ☐ Ethernet over GRE: tunnel data to a concentrator
Meraki devices send layer 2 traffic over a tunnel to an EoGRE concentrator creating a transparent ethernet bridge. Clients receive DHCP leases from the LAN on the other end of the tunnel as in bridged mode.

Note: VPN and Layer 3 roaming with concentrator require an MX. [Add an MX](#) to use them.

VLAN tagging ⓘ

Bridge mode, ethernet over GRE
and layer 3 roaming only

Don't use VLAN tagging

RADIUS override

Ignore VLAN attribute in RADIUS responses

Content filtering ⓘ

NAT mode only

Don't filter content

Bonjour forwarding ⓘ

Bridge mode and layer 3
roaming only

Disable Bonjour Forwarding

Mandatory DHCP ⓘ

Disable Mandatory DHCP

Wireless options



Looking for Wireless options? Per-SSID band and bitrate settings have moved to the Radio Settings page.

[Go to Radio Settings](#)[Save Changes](#) or [cancel](#)

(Please allow 1-2 minutes for changes to take effect.)

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Current session started: [less than a minute ago](#)

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