

TRIAX EoC – HowTo's

HowTo examples

Create a *Private zone*

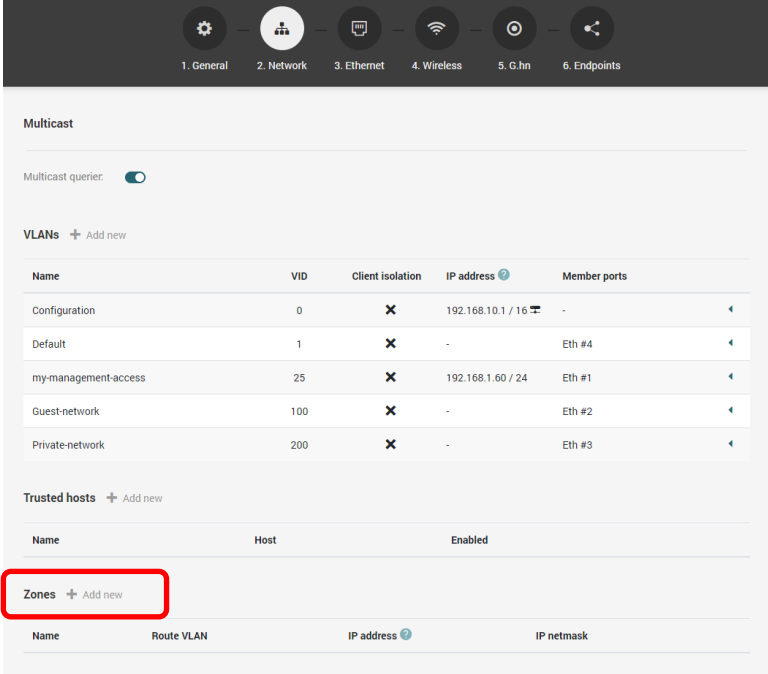
Create a *Private zone*

- This is a HowTo create a *Private zone*
- A *private zone* is a "closed network" with it's own DHCP server and gateway
- Basically we convert the endpoint to a SOHO router
- Where to use?
 - Holliday appartments
 - Cabins for rent
 - Other ??
- In this example, we have Cabin's at a holiday centre



Create a *Private zone*

- **Navigate to *Network***
- ***Add new Zone***



The screenshot shows the 'Network' configuration page in the TRIAX Academy interface. The top navigation bar includes icons for General, Network (selected), Ethernet, Wireless, G.hn, and Endpoints. The 'Multicast' section has a 'Multicast querier' toggle. The 'VLANs' section has an 'Add new' link and a table with 6 columns: Name, VID, Client isolation, IP address, and Member ports. The 'Trusted hosts' section has an 'Add new' link and a table with 3 columns: Name, Host, and Enabled. The 'Zones' section, highlighted with a red box, has an 'Add new' link and a table with 4 columns: Name, Route VLAN, IP address, and IP netmask.

1. General **2. Network** 3. Ethernet 4. Wireless 5. G.hn 6. Endpoints

Multicast

Multicast querier: ☒

VLANs + Add new

Name	VID	Client isolation	IP address	Member ports
Configuration	0	✗	192.168.10.1 / 16	-
Default	1	✗	-	Eth #4
my-management-access	25	✗	192.168.1.60 / 24	Eth #1
Guest-network	100	✗	-	Eth #2
Private-network	200	✗	-	Eth #3

Trusted hosts + Add new

Name	Host	Enabled
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Zones + Add new

Name	Route VLAN	IP address	IP netmask
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Create a *Private* zone

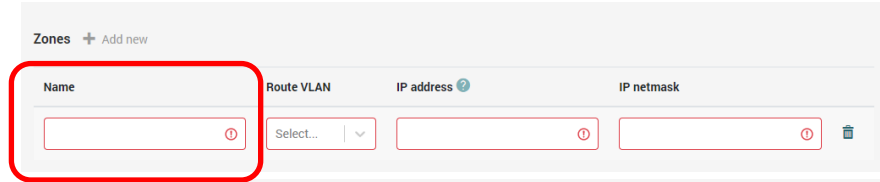
- Name the new Zone

Zones + Add new

Name	Route VLAN	IP address ?	IP netmask
<input type="text"/>	Select... ▼	<input type="text"/>	<input type="text"/>

Create a *Private* zone

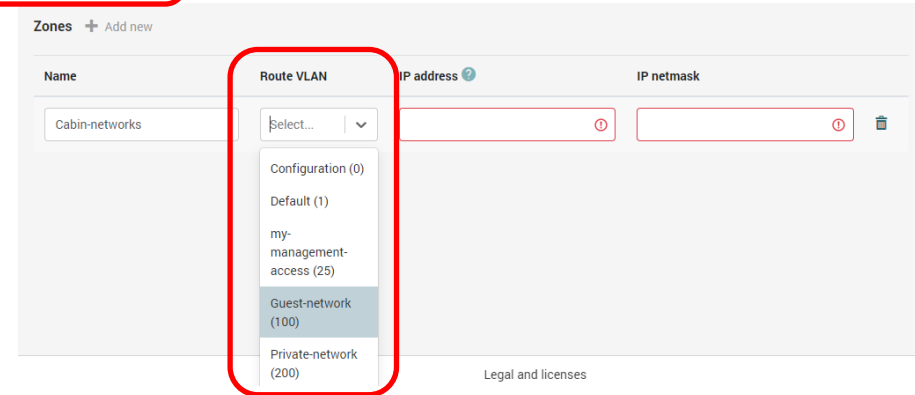
- Name the new Zone



Zones + Add new

Name	Route VLAN	IP address ?	IP netmask
<input type="text"/>	Select... ▼	<input type="text"/>	<input type="text"/>

- Select the network to be used



Zones + Add new

Name	Route VLAN	IP address ?	IP netmask
Cabin-networks	Select... ▼	<input type="text"/>	<input type="text"/>

Configuration (0)

Default (1)

my-management-access (25)

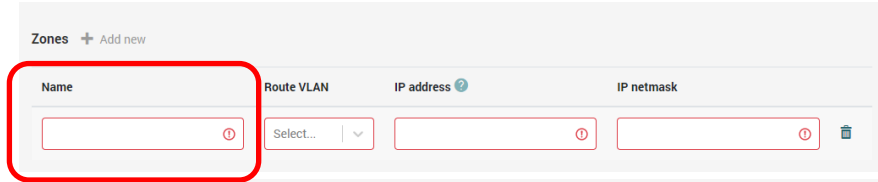
Guest-network (100)

Private-network (200)

Legal and licenses

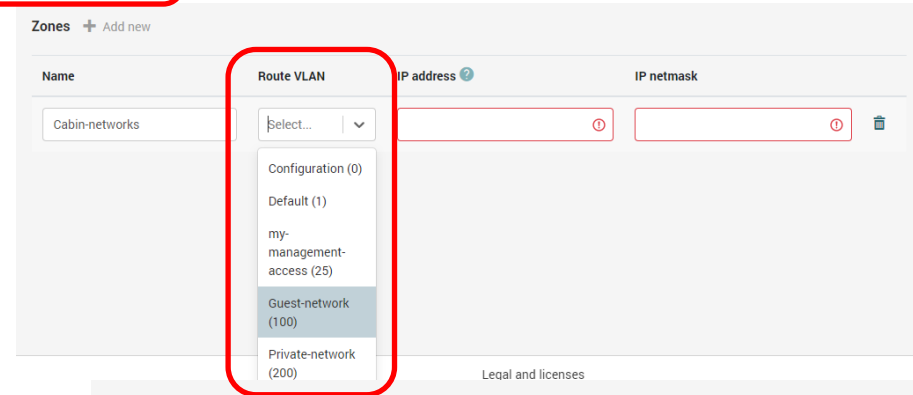
Create a *Private zone*

- **Name the new Zone**
- **Select the network to be used**
- **Assign the IP scope for the DHCP server on the "private zone"**



Zones + Add new

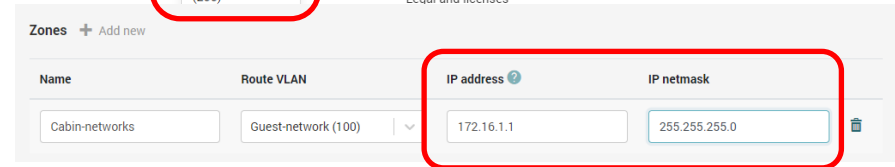
Name	Route VLAN	IP address ?	IP netmask
<input type="text"/>	Select... ▼	<input type="text"/>	<input type="text"/>



Zones + Add new

Name	Route VLAN	IP address ?	IP netmask
Cabin-networks	<div><div>Select... ▼</div><div>Configuration (0)</div><div>Default (1)</div><div>my-management-access (25)</div><div>Guest-network (100)</div><div>Private-network (200)</div></div>	<input type="text"/>	<input type="text"/>

Legal and licenses

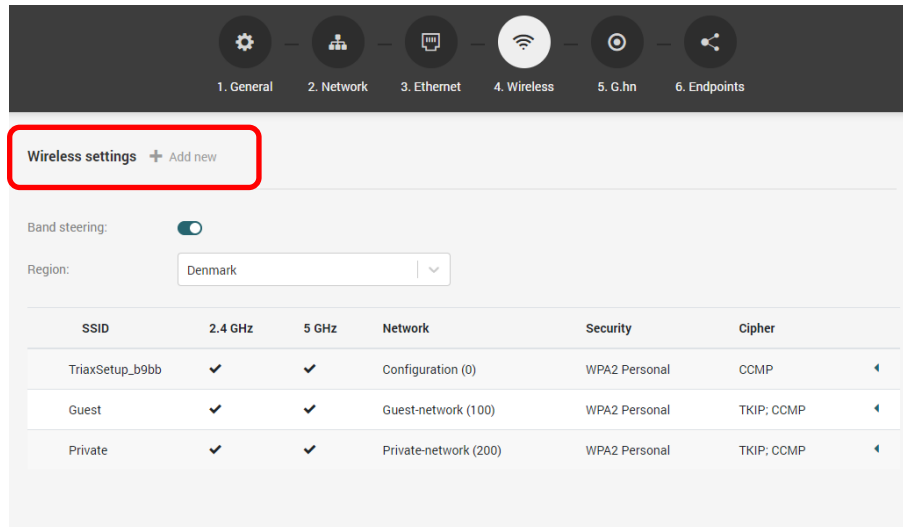


Zones + Add new

Name	Route VLAN	IP address ?	IP netmask
Cabin-networks	Guest-network (100) ▼	<input type="text" value="172.16.1.1"/>	<input type="text" value="255.255.255.0"/>

Create a *Private* zone

- Navigate to *Wireless*
- Add new SSID
- I will use the SSID's
 - "Cabin-1"
 - "Cabin-2"
 - "Cabin-3"



The screenshot shows the TRIAX management interface. At the top, there is a navigation bar with six icons: 1. General (gear), 2. Network (people), 3. Ethernet (network diagram), 4. Wireless (Wi-Fi symbol), 5. G.hn (target), and 6. Endpoints (share). The 'Wireless' tab is selected. Below the navigation bar, the 'Wireless settings' section is highlighted with a red box. It includes a '+ Add new' button. Below this, there is a 'Band steering' toggle switch which is turned on. Underneath, the 'Region' is set to 'Denmark' with a dropdown arrow. The main part of the interface is a table listing existing wireless networks.

SSID	2.4 GHz	5 GHz	Network	Security	Cipher
TriaxSetup_b9bb	✓	✓	Configuration (0)	WPA2 Personal	CCMP
Guest	✓	✓	Guest-network (100)	WPA2 Personal	TKIP; CCMP
Private	✓	✓	Private-network (200)	WPA2 Personal	TKIP; CCMP

Create a *Private* zone

- Select the *network*
- Here we must use the "Zone network"

SSID	2.4 GHz	5 GHz	Network	Security	Cipher
TriaxSetup_b9bb	✓	✓	Configuration (0)	WPA2 Personal	CCMP
Guest	✓	✓	Guest-network (100)	WPA2 Personal	TKIP; CCMP
Private	✓	✓	Private-network (200)	WPA2 Personal	TKIP; CCMP
⚠ Cabin-1	✓	✓	Disabled	WPA2 Personal	TKIP; CCMP

SSID:

Hide SSID: ☐

Radios: ☒ 2.4 GHz ☒ 5 GHz

Private SSID: ☐ ?

Network:

Security:

Cipher:

Passphrase:

VLANs

Configuration (0)

Default (1)

my-management-access (25)

Guest-network (100)

Private-network (200)

ZONES

Cabin-networks (Guest-network (100))

Create a *Private* zone

- Do you want the devices to be visible to others on the network?
- Chromecast devices requires this...

SSID	2.4 GHz	5 GHz	Network	Security	Cipher
TriaxSetup_b9bb	✓	✓	Configuration (0)	WPA2 Personal	CCMP
Guest	✓	✓	Guest-network (100)	WPA2 Personal	TKIP; CCMP
Private	✓	✓	Private-network (200)	WPA2 Personal	TKIP; CCMP
⚠ Cabin-1	✓	✓	Cabin-networks (Guest-network (100))	WPA2 Personal	TKIP; CCMP

SSID:	<input type="text" value="Cabin-1"/>	Network:	<input type="text" value="Cabin-networks (Guest-network (100))"/>
Hide SSID:	<input type="checkbox"/>	Security:	<input type="text" value="WPA2 Personal"/>
Radios:	<input checked="" type="checkbox"/> 2.4 GHz <input checked="" type="checkbox"/> 5 GHz	Cipher:	<input type="text" value="TKIP x CCMP x"/>
Private SSID:	<input type="checkbox"/> ?	Phrase:	<input type="password" value="*****"/>

Private SSID will allow SSID clients (cross-band) on same EP to communicate, regardless of general (VLAN) client isolation settings.

Create a *Private* zone

- **Configure wifi security**

SSID	2.4 GHz	5 GHz	Network	Security	Cipher
TriaxSetup_b9bb	✓	✓	Configuration (0)	WPA2 Personal	CCMP
Guest	✓	✓	Guest-network (100)	WPA2 Personal	TKIP; CCMP
Private	✓	✓	Private-network (200)	WPA2 Personal	TKIP; CCMP
⚠ Cabin-1	✓	✓	Cabin-networks (Guest-network (100))	WPA2 Personal	TKIP; CCMP

SSID: Cabin-1

Network: Cabin-networks (Guest-network (100))

Hide SSID: ☐

Security: WPA2 Personal

Radios: ☒ 2.4 GHz ☒ 5 GHz

Cipher: TKIP x CCMP x

Private SSID: ☐ Private SSID will allow SSID clients (cross-band) on same EP to communicate, regardless of general (VLAN) client isolation settings.

Phrase:

Create a *Private* zone

- Repeat creating new SSID's
- Use the same Network
- Use different passphrase !

SSID	2.4 GHz	5 GHz	Network	Security	Cipher
TriaxSetup_b9bb	✓	✓	Configuration (0)	WPA2 Personal	CCMP
Guest	✓	✓	Guest-network (100)	WPA2 Personal	TKIP; CCMP
Private	✓	✓	Private-network (200)	WPA2 Personal	TKIP; CCMP
Cabin-1	✓	✓	Cabin-networks (Guest-network (100))	WPA2 Personal	TKIP; CCMP
Cabin-2	✓	✓	Cabin-networks (Guest-network (100))	WPA2 Personal	TKIP; CCMP

SSID: Cabin-2

Hide SSID: ☐

Radios: ☒ 2.4 GHz ☒ 5 GHz

Private SSID: ☒

Network: Cabin-networks (Guest-network (100))

Security: WPA2 Personal

SSID	2.4 GHz	5 GHz	Network	Security	Cipher
TriaxSetup_b9bb	✓	✓	Configuration (0)	WPA2 Personal	CCMP
Guest	✓	✓	Guest-network (100)	WPA2 Personal	TKIP; CCMP
Private	✓	✓	Private-network (200)	WPA2 Personal	TKIP; CCMP
Cabin-1	✓	✓	Cabin-networks (Guest-network (100))	WPA2 Personal	TKIP; CCMP
Cabin-2	✓	✓	Cabin-networks (Guest-network (100))	WPA2 Personal	TKIP; CCMP
Cabin-3	✓	✓	Cabin-networks (Guest-network (100))	WPA2 Personal	TKIP; CCMP

SSID: Cabin-3

Hide SSID: ☐

Radios: ☒ 2.4 GHz ☒ 5 GHz

Private SSID: ☒

Network: Cabin-networks (Guest-network (100))

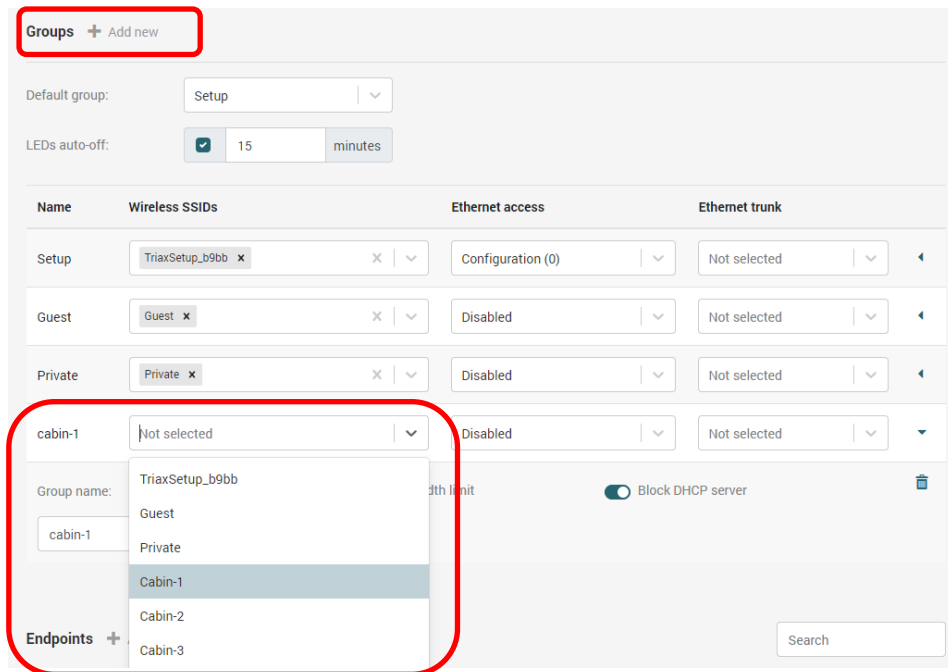
Security: WPA2 Personal

Cipher: TKIP x CCMP x

Passphrase:

Create a *Private* zone

- **Navigate to *Endpoints***
- **Add new configuration group**
- **The first group I call: "*Cabin-1*"**
 - **Select the *Cabin-1* SSID**



Groups + Add new

Default group: Setup

LEDs auto-off: ☒ 15 minutes

Name	Wireless SSIDs	Ethernet access	Ethernet trunk
Setup	TriaxSetup_b9bb x	Configuration (0)	Not selected
Guest	Guest x	Disabled	Not selected
Private	Private x	Disabled	Not selected
cabin-1	Not selected	Disabled	Not selected

Group name: cabin-1

- TriaxSetup_b9bb
- Guest
- Private
- Cabin-1
- Cabin-2
- Cabin-3

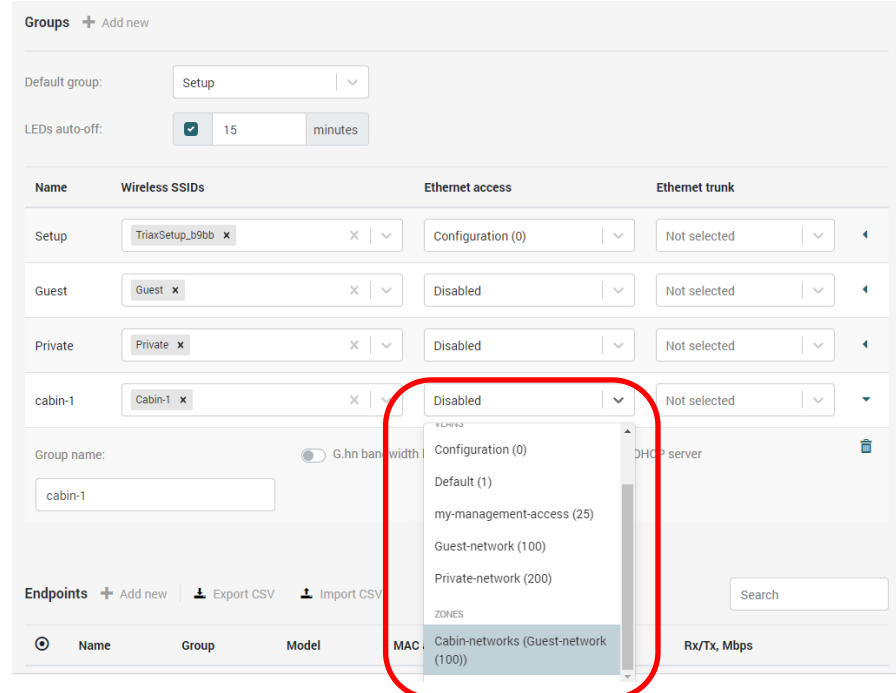
Endpoints +

Block DHCP server

Search

Create a *Private* zone

- **Navigate to *Endpoints***
- **Add new configuration group**
- **The first group I call: "Cabin-1"**
 - **Select the *Cabin-1* SSID**
 - **Select the "zone Cabin-network"**



The screenshot shows the TRIAX configuration interface. At the top, there's a 'Groups' section with a '+ Add new' button. Below it, the 'Default group' is set to 'Setup'. The 'LEDs auto-off' is checked and set to 15 minutes. The main table lists configuration groups: 'Setup', 'Guest', 'Private', and 'cabin-1'. The 'cabin-1' group is selected, and its 'Ethernet access' dropdown menu is open, showing a list of options: 'Configuration (0)', 'Default (1)', 'my-management-access (25)', 'Guest-network (100)', 'Private-network (200)', and 'Cabin-networks (Guest-network (100))'. The 'Cabin-networks (Guest-network (100))' option is highlighted. The 'Group name' field is set to 'cabin-1'. At the bottom, there's an 'Endpoints' section with a '+ Add new' button and buttons for 'Export CSV' and 'Import CSV'. A table at the bottom shows columns for 'Name', 'Group', 'Model', 'MAC', and 'Rx/Tx, Mbps'.

Create a *Private* zone

- **Limit the bandwidth**
 - Cabin-1 users will share 30/15 Mbps
- **Block un-authorized DHCP servers**

Groups + Add new

Default group: Setup

LEDs auto-off: ☒ 15 minutes

Name	Wireless SSIDs	Ethernet access	Ethernet trunk
Setup	TriaxSetup_b9bb x	Configuration (0)	Not selected
Guest	Guest x	Disabled	Not selected
Private	Private x	Disabled	Not selected
cabin-1	Cabin-1 x	Cabin-networks (Guest-network (100))	Not selected

Group name: cabin-1

☒ G.hn bandwidth limit ☒ Block DHCP server

Download, Mbps: 30 Upload, Mbps: 15

Create a *Private* zone

- Repeat for cabin-2 and cabin-3

Groups + Add new

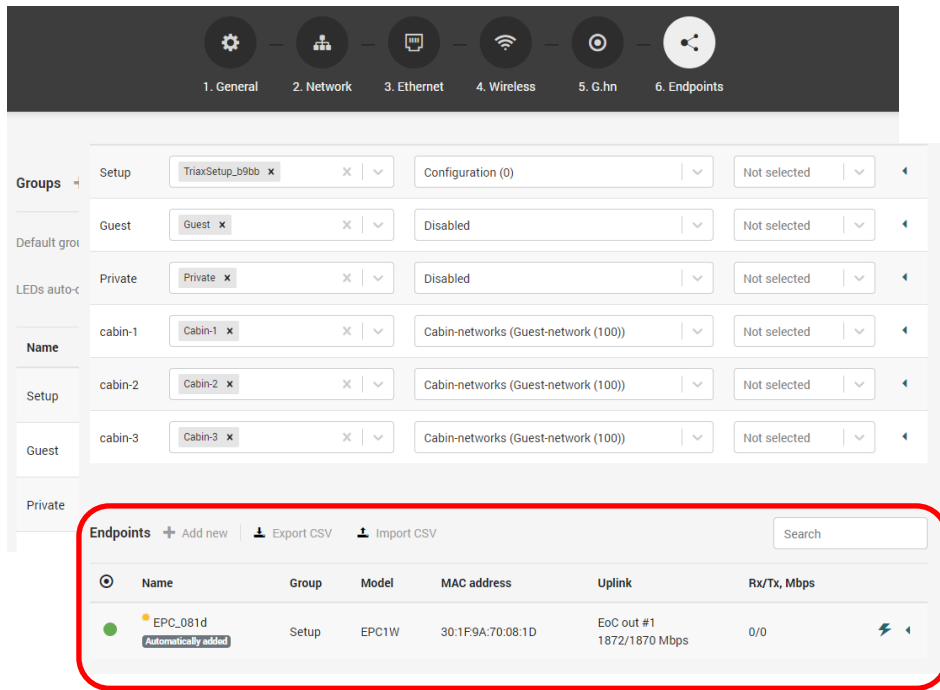
Default group: Setup

LEDs auto-off: ☒ 15 minutes

Name	Wireless SSIDs	Ethernet access	Ethernet trunk
Setup	TriaxSetup_b9bb x	Configuration (0)	Not selected
Guest	Guest x	Disabled	Not selected
Private	Private x	Disabled	Not selected
cabin-1	Cabin-1 x	Cabin-networks (Guest-network (100))	Not selected
cabin-2	Cabin-2 x	Cabin-networks (Guest-network (100))	Not selected
cabin-3	Cabin-3 x	Cabin-networks (Guest-network (100))	Not selected

Create a *Private* zone

- **Navigate to *Endpoints***
- **At the bottom of the page you see all registered endpoints**

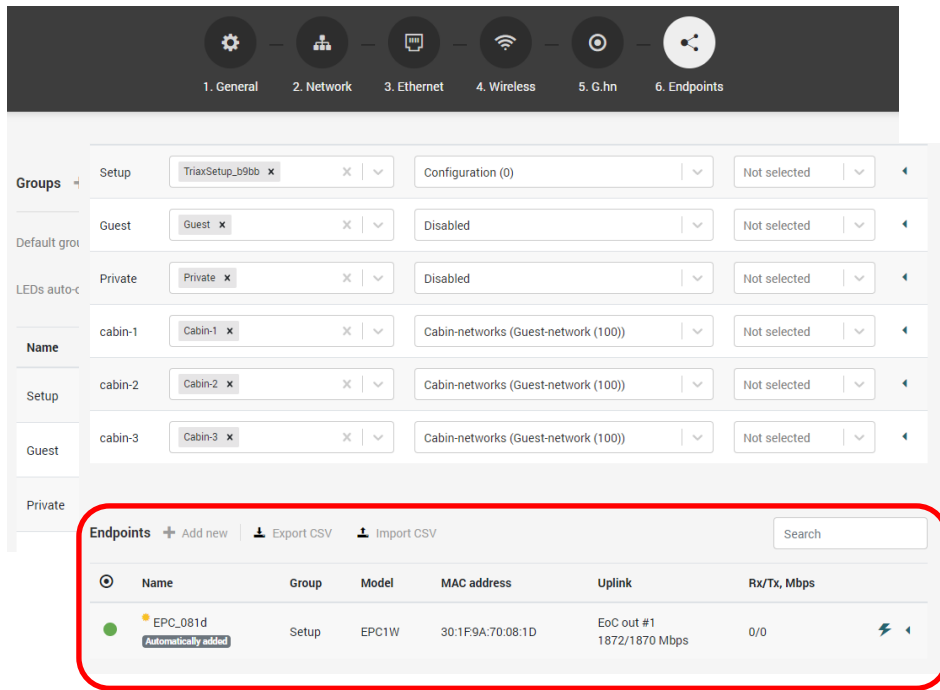


The screenshot displays the TRIAX Academy web interface. At the top, a navigation bar contains icons for General, Network, Ethernet, Wireless, G.hn, and Endpoints. The Endpoints section is active, showing a table of registered endpoints. The table has columns for Name, Group, Model, MAC address, Uplink, and Rx/Tx, Mbps. A red box highlights the Endpoints section, which includes a search bar and a table with one endpoint listed.

Name	Group	Model	MAC address	Uplink	Rx/Tx, Mbps
EPC_081d <small>Automatically added</small>	Setup	EPC1W	30:1F9A:70:08:1D	EoC out #1 1872/1870 Mbps	0/0

Create a *Private* zone

- The endpoints can be assigned to the configuration groups during installation
- Or



1. General 2. Network 3. Ethernet 4. Wireless 5. G.hn 6. Endpoints

Groups

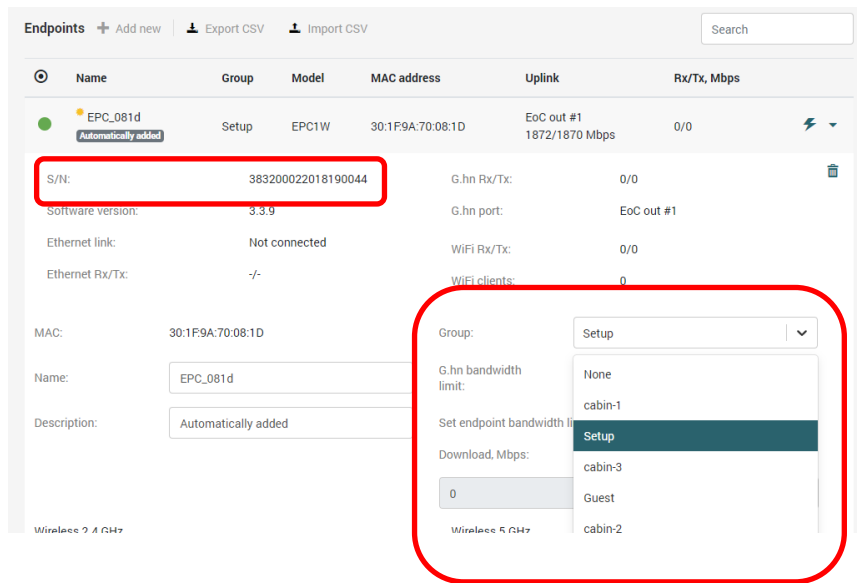
Setup	Configuration (0)	Not selected
Guest	Disabled	Not selected
Private	Disabled	Not selected
cabin-1	Cabin-networks (Guest-network (100))	Not selected
cabin-2	Cabin-networks (Guest-network (100))	Not selected
cabin-3	Cabin-networks (Guest-network (100))	Not selected

Endpoints

Name	Group	Model	MAC address	Uplink	Rx/Tx, Mbps
EPC_081d Automatically added	Setup	EPC1W	30:1F9A:70:08:1D	EoC out #1 1872/1870 Mbps	0/0

Create a *Private zone*

- The endpoints can be assigned to the configuration groups during installation
- Or
- From the controller (register serial no. when installing)
 - Select the group "Cabin-1" for the endpoint in cabin-1
 - Select the group "Cabin-2" for the endpoint in cabin-2
 - Select the group "Cabin-3" for the endpoint in cabin-3
 - And so on
- Done ...



Endpoints + Add new Export CSV Import CSV Search

Name	Group	Model	MAC address	Uplink	Rx/Tx, Mbps
EPC_081d Automatically added	Setup	EPC1W	30:1F9A:70:08:1D	EoC out #1 1872/1870 Mbps	0/0

S/N: 383200022018190044

Software version: 3.3.9

Ethernet link: Not connected

Ethernet Rx/Tx: -/-

MAC: 30:1F9A:70:08:1D

Name: EPC_081d

Description: Automatically added

Group: Setup

G.hn bandwidth limit: None

Set endpoint bandwidth limit: Setup

Download, Mbps: 0

WiFi clients: 0

Guest

cabin-2

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