

Technical Guide

ecCLOUD AuthPort Configuration

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1. Introduction

This technical guide is aimed at helping readers learn how to enable and configure settings for "AuthPort", an add-on available on eccLOUD. The purpose of AuthPort is to allow eccLOUD users to manage network access and regulate network usage of their wireless clients.

With AuthPort, *authentication, authorization, and accounting (AAA) of wireless clients* can be performed using ecCLOUD's built-in authentication server and account database. The "AuthPort" add-on available on ecCLOUD only supports RADIUS feature with *username/password* authentication. It means that "AuthPort" on ecCLOUD contains RADIUS server function. The authentication format of RADIUS supports Open, Personal and Enterprise (802.1x) (PEAP and EAP-TTLS).

A *captive portal editor* is also included in AuthPort for easy captive portal customization, and multiple captive portals can be saved. After enabling AuthPort from the "Add-ons" page, it can then be enabled in configuration settings of each SSID, and the desired captive portal can be selected subsequently. Thus, wireless clients that associate to an SSID with AuthPort enabled will be presented the selected captive portal for login.

Accounts used for login via the captive portal should be pre-generated in AuthPort by ecCLOUD users, and each account is linked to a self-defined *service plan*, which specifies constraints on network usage. Thus, service plans should be added before accounts can be created. In this way, network usage of wireless clients can be governed by the service plans associated with the accounts they log in with.

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2. Enable AuthPort from Add-Ons Page

AuthPort can be enabled at the cloud level or at the site level depending on the deployment scenario. If enabled at the cloud level, AuthPort will be enabled for all the sites under this cloud at once. If you would like to enable AuthPort for only certain sites, please go to these sites and enable this add-on from the Add-ons page at the site level.

actour २ 💷 🖬 🌲 👘 🌰 🗸 θ-Cloud dashboard for Edgecore University Default : Choose a Site... ÷ Dashboard Devices SYSTEM STATUS Activity Sites Devices **Config state** Registration ... 0 critical 4 online 0 have errors 0 requiring act... 2 4 4 4 0 offline 0 warning 0 processing 0 pending + Add site Site management Oser management ACTIVITY STATUS MAP Add-ons Channel Changed гл /8 ЦЈ Ø udson ■ Licenses & Billing Channel Changed Properties Info 6 ho

Channel Changed

Device Rebooted Info 21 hours ago

Device Rebooted

Notifications

• Owner

Or

a. To enable AuthPort at the cloud level, click on "Add-ons" on the Cloud Menu

accoub ९ 💷 🖬 🌲 🖓 🌰 🗸 θ. versity > Main Campus > Defaul Site dashboard for Main Campus Default : Main Campus Add note Dashboard Default - + Devices SYSTEM STATUS 🔞 Configuration Today's traffic Devices **Config state Registration** .. Activity 2 online 0 have errors 0 downloaded 0 requiring act 2 2 2 0 0 offline 0 processing ending 0 uploaded Wireless Clients + Add d Manage ACTIVITY STATUS MAP 9 Maps -Q Google Map Add-ons Change Config Completed 6 d Site Properties **Change Config** 0 :: Loading... Notifications Change Config eted 6 **Received Config** Completed 6 d Owner Change Config

To enable AuthPort for a site, go to the site and click on "Add-ons" on the Site Menu

b. On the Add-ons page, find AuthPort and click on "**BUY ADD-ON**". Follow on-screen instructions to confirm purchase.



c. Once the purchase is completed, AuthPort will appear on the Cloud Menu under Manage. Clicking on AuthPort reveals a submenu.



3. Configure AuthPort Settings: Add Service Plans and Generate Accounts

On the AuthPort submenu, first add at least one service plan. In a service plan, time, data and/or device number constraints can be specified as desired. Once one or more service plans have been added, accounts can then be generated where each account links to a specific service plan.

3.1 Add Service Plans

a. Go to "Cloud Menu > AuthPort > Service Plan" and click on "ADD SERVICE PLAN"

eccloup Powered by kgriteNet	Edgecore University > AuthPort - Service Plans	९ 🖆 🖬 📌 🕅 ▲ र 😝 र
CLOUD MENU	AuthPort Sonvice Plans	
Choose a Site 👻	Authront Service Flans	T ADD SERVICE PLAN
Oser management	C REFRESH	
Add-ons	NAME PLAN DESCRIPTION	NOTE
Licenses & Billing	No data to display.	
Properties		Rows per page: 10 👻 < >
🗣 AuthPort 🔨		
🖮 Service Plans		
Accounts		
Certificate		
 Captive Portal 		
≔ Event Log		
Notifications		
\rm Owner		

Add service plan

Name *				
Valid time period				
Basic time length				•
_ Valid for				
30				Days 🔻
- Traffic Quota				
Unlimited				•
Note				
✓ Advanced settings				
Quota renewal				
Does not renew				•
Number of devices per account				
Unlimited				•
	CA	NCEL	CC	NEIDM

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- Name: Name of the service plan.
- Valid time period: The time period during which the account is valid.
 - Select "Basic time length" if you want the account to be valid for a certain time duration, and you can define the time duration in seconds, minutes, hours or days in the field "Valid for" below.
 - Select "Custom" if you want to the account to be activated at a specific time, and the account can also expire at certain time or after a time duration. For account activation, select "Activate upon account creation" for the account to be activated at the same time it's created; select "Activate before" for the account to be activated before a specific date and time as defined in the next field. For account expiration, select "Does not expire" for the account to remain valid unless it has reached the defined traffic quota (see below for description of traffic quota), if any; select "Expires in" for the account to expire after a certain time period as defined in the next field; or select "Expires on" for the account to expire on a specific date and at a specific time.
- Traffic quota:
 - Select "Custom" to define a data cap for the account to become invalid once the cap is reached.
 - Select "Unlimited" to allow the account to enjoy unlimited data usage.
- **Quota renewal**: If configured, the defined traffic quota can be renewed daily, weekly or monthly for the account within the time frame set.
- Number of devices per account: Select "Custom" for the account to be shared by only a limited number of devices as defined in the next field; select "Unlimited" for the account to be shared by

Once a service plan has been added, it can be edited or deleted from this page.

	eccLOUD Powered by IgnTenter	Edge	ecore Un	niversity >	AuthPort - Service Plans		۹	📲 🖬 🦸	ĥ ≜ · 8 ·
	CLOUD MENU		A + -	Devet	Counting Diama				
Ch	oose a Site 🔻		Auth	Ports	Service Plans				+ ADD SERVICE PLAN
Θ	User management	•	\$ A	CTIONS	C REFRESH				
=	Add-ons			NAME	PLAN DESCRIPTION			NOTE	
100	Licenses & Billing								
	Properties			Student	Activation: Expiration:	Upon account creation 30 Days after account activation			EDIT DELETE
1	AuthPort ^				Traffic quota: Traffic quota renewal:	1GB Monthly on day 1 at 00:01			
E	Service Plans	L						Rows per page:	10 - < >
E	Accounts	Ľ							
é	Certificate								
,	Captive Portal								
	≡ Event Log								
	Notifications	•							
Θ	Owner								

3.2 Generate Accounts

a. Go to "Cloud Menu > AuthPort > Accounts", and click on "ADD AN ACCOUNT" to add one account or "GENERATE ACCOUNTS" to add multiple accounts. Note that a service plan has to be selected when generating accounts.

ecCLOUD Powered by lighteNet	Edgecore University > AuthPort - Account List	Q = □ ↓
CLOUD MENU	AuthPort Accounts	
Choose a Site 👻	Autiffort Accounts	+ ADD AN ACCOUNT + GENERATE ACCOUNTS
Oser management	ACTIONS C REFRESH C EXPORT	Q Search
III Add-ons	□ O USERNAME ↑ PASSWORD PLAN TRAFFIC QUOTA	EXPIRATION TIME SESSION DURATION NOTE
Elicenses & Billing	No data to display.	
Properties		Rows per page: 10 👻 < >
🗣 AuthPort 🛛 ^		
Service Plans		
Accounts		
Certificate		
 Captive Portal 		
≔ Event Log		
Notifications		
O wner		

	Generate accounts	×
	Plan* Demo	•
Create an account X	Activation Quota renewal Number of devices Quota Expiration	Upon account creation Does not renew Unlimited Unlimited 30 Days after account activation
Username *	Total Expiration	30 Days after account activation
Plan*	Number of accounts1	
Notes	Export generated accounts to a file	0
CANCEL		CANCEL

b. Once accounts have been generated, they will appear on the same page.

eccLOUD Russeed by Synthetist	Edgecore Univ	ersity	> AuthPort - Accou	unt List			ର ≔		🕅 🌰 Edgecore Un	iversity 🔻	😝 Hi, cindy 🗣
CLOUD MENU	AuthD	ort	Accounts							L CENT	DATE ACCOUNTS
Choose a Site 👻	AuthP	ort	Accounts						+ ADD AN ACCOUNT	+ GENE	RATE ACCOUNTS
II Dashboard	S ACT	IONS	C REFRESH	C EXPORT					Q Se	arch	
Devices		0		PASSWORD		PLAN	TRAFFIC QUOTA	EXPIRATION TIME	SESSION DURATION	NOTE	
Activity		0	u1DCCY		0	Demo	Unlimited data 0B used	Account inactive	Offline		EDIT DELETE
Manage		0	u2UP4M		ø	Demo	Unlimited data 0B used	Account inactive	Offline		EDIT DELETE
Oser management		0	uC80X0	•••••	ø	Demo	Unlimited data 0B used	Account inactive	Offline		EDIT DELETE
Add-ons		0	uHXMMT		ø	Demo	Unlimited data 0B used	Account inactive	Offline		EDIT DELETE
Licenses & Billing Properties		0	uR0U00		ø	Demo	Unlimited data 0B used	Account inactive	Offline		EDIT DELETE
🗣 AuthPort 🔨		0	uXH85E	•••••	٥	Demo	Unlimited data 0B used	Account inactive	Offline		EDIT DELETE
Service Plans									Rows per page	: 10 🔻	< >
Accounts											
• Owner											

4. Configure AuthPort Settings: Add Customized Captive Portals

a. On the "AuthPort" submenu, click on "Captive Portal".

ecCLOUD Powered by lighteritet	Edgecore University > Default	ସ 🗐 🗖 .	≜ № 6 - 8 -
CLOUD MENU	Cloud dashboard for Edgecore University		
Choose a Site 👻	Default :		
Oser management	Default +		
III Add-ons	SYSTEM STATUS		
🖮 Licenses & Billing	Sites	Devices Config state	Registration
Properties	2 0 critical Total 0 warning	4 online 0 offline 4 online 0 offline 4 online 0 have errors 0 processing	4 0 requiring act 0 pending
🗣 AuthPort 🛛 ^	+ Add site	+ Add device	Registered
Service Plans			
Accounts	ACTIVITY	STATUS MAP	
Certificate	Channel Changed Info an hour ago	edson Bay	[]
Captive Portal	Change Config Completed an hour ago	a Labrador Sea	United Kingdom 2
≔ Event Log	Change Config Completed an hour ago	and a second	German
Notifications	Add-on purchased By cindy lin an hour ago		France
O wner	Change Config Completed an hour ago	2 MO WW WADE	Portugal

b. Once on the Captive Portal page, click on "ADD CAPTIVE PORTAL" to add a new captive portal to begin customizing it.

ecCLOUD Powered by IgniteNet	Edgecore University > AuthPort - Captive Portal	९ 📲 🖬 🌲 🟟 📥 र 😝 र
CLOUD MENU	Captive Portals	
Choose a Site 👻	Captive Foltais	T ADD CAPITVE PORTAL
III Dashboard	ACTIONS C REFRESH	Q. Search
^ Devices		
Activity	No data to display.	
Manage		Rows per page: 50 💌 < >
🗈 Site management		
\varTheta User management		
🕮 Add-ons		
囲 Licenses & Billing		
Properties		
🗣 AuthPort 🛛 ^		
Service Plans	•	
O wner		

Add Captive Portal	×	1
– Portal Name – Test		l
	CANCEL	

If there are existing captive portals, they can also be edited or deleted from this page.

ecCLOUD Powered by lightetiet	Edgecore University > AuthPort - Captive Portal	
CLOUD MENU	Canting Doutola	
Choose a Site 👻	Captive Portais	+ ADD CAPTIVE PORTAL
Dashboard	C REFRESH	Q. Search
 Devices 		
Activity	Test	EDIT DELETE
Manage		Rows per page: 50 👻 < >
🗈 Site management		
User management		
Add-ons		
Elicenses & Billing		
Properties		
🗣 AuthPort 🛛 ^		
Service Plans		
• Owner		

Captive portals can also be added from any SSID configuration page. Once AuthPort is enabled, the Captive Portal option will be revealed, and new captive portals can be added by clicking on "**ADD NEW PORTAL**".

Add	SSID		CANCEL	CONFIRM
	U-APSD	• • •		
^	Security Settings			
	Method	WPA3 Personal 👻 🕜		
	Key	••••••		
	Access Control List	•		
	802.11r	•		
	802.11k	•		
	802.11v	•		
^	Network Settings			
	Network behavior	Bridge to Internet 🗸 🖉		
	Limit upload rate	•		
	Limit download rate	•		
	AuthPort Enable	• 0		
	Captive Portal	Default captive portal		
	Microsoft 365 Authentication	Default captive portal Test		
	Proxy ARP	Only applicable for some devices		

c. Captive Portal Editor will appear as a pop-up window. Choose one of the starting themes to begin customizing the new captive portal.



d. Use Style Manager to modify the attributes of the selected HTML object.



See Table 1 below for descriptions of each attribute category.

Attribute Category	Description
Class	This tells you what kind of component it is
General	configure alignment and display position
Dimension	Modify component dimension
Typography	Edit font, size, text align, text decoration
Decorations	Select background color, border width/styler/color
Extra	Add transition, edit perspective, transform (rotate, scale)
Flex	Edit flex effect

Table 1

5. Configure AuthPort Settings: Upload an SSL Certificate

When AuthPort is enabled, we recommend submitting a valid SSL certificate to help make the captive portal redirection experience smooth for your wireless clients. If no SSL certificate is uploaded or if a suspicious SSL certificate is uploaded, they may see a security warning upon captive portal detection.

eccloup Powered by AprilaNet	Edgecore University > AuthPort - Certificate Q 😑 🖬 🌲 Edgecore University 👻 😝 Hi, cindy 🗸
CLOUD MENU	AuthPort Certificate
Choose a Site 🔻	
Manage	Certificate
🗈 Site management	
Oser management	
Add-ons	
Licenses & Billing	HE IN STRUCTURE
 Properties 	
🗣 AuthPort 🔷	Private Key
逦 Service Plans	
Accounts	
🔒 Certificate	
Captive Portal	
≔ Event Log	
♦ Notifications	DNS
⊖ Owner	CLEAR FORM SAVE

a. Click on "Certificate" on the "AuthPort" submenu

b. Open your Private key and SSL certificate file in Notepad.

C cafe-demo.secured-logon.com.key	2024/2/20 下午 12:48	KEY 檔案	4 KB
Cafe-demo.secured-logon.com.pem	2024/2/20 下午 12:48	PEM 檔案	3 KB

SSL Certificate:

----BEGIN CERTIFICATE-----MIIGAzCCBOugAwIBAgISA/qVUQez/z1ZATjxKdXxcDOFMA0GCSqGSIb3DQEBCwUA MD1xCzAJBgNVBAYTA1VTMRYwFAYDVQQKEw1MZXQncyBFbmNyeXB0MQswCQYDVQQD EwJSMzAeFwOyNDAyMjAwMzQ2NTFaFwOyNDA1MjAwMzQ2NTBaMCYxJDAiBgNVBAMT G2NhZmUtZGVtby5zZWN1cmVkLWxvZ29uLmNvbTCCAiIwDQYJKoZIhvcNAQEBBQAD ggIPADCCAgoCggIBAOFgYxYPUG2kgmxPzYu1r+UObzj6SVFWreFjuM54FTxT15FH gKVsUGU+OdJA+Ree7XVMBKwbQncYOWp7/1zwrcnjAssGwNTBMu54yfb5z0qYxXKn u3605Gr/3Mdm11b1Swmg5NdYcO9rDInv2G2uO0tT/truwmwwHCvIz8iIigŴFCCbN C14dPYqBioFQi/T0Nqq+6mzYHDBIi5anshL3iaH0DQ0v93/2B4P5LuvcbhFb1Pro AS3r8JWhjMB8sq0ASXKY816Hcb2JAzcCnnDhmb8nu9r3bYIC1E1mZ/0ar+T0Z81P ObDf3fh++e1uUXZz4JVTg9Jp56eeALAkTn6OpOMwFpcDOK+M2iqE/7HiKkrSnKcw 87YeRCdNiBwaTgdWFCvry/vrBNgvU7ChAxOvQ46umLVhNJc1jMbZwSgi7X8yakej V6Gp/cv7yA+F7rEd1W+hD7cvLKjCUIGpSvFwwMqbDQ81nECNzZAepV9+yBEJLjgC OuO318rDeuk90FFnMeKc2WEE/cXBxmG1R+ftLZ9UOX9dv0mERdbG3AqvUSaj1kho 6Hbu1xyhiFs0Yrg/xUO9ghoQVXxJHCz/qIqPieceiPgfQwX5N96kAoWDEq5w43sE WVSrwvz6SUSmDNaRs+YzuLBthXMeb1C2T9Lmh/A+UbjEJqbeHynqgNdvujpZAgMB AAGjggIdMIICGTAOBgNVHQ8BAf8EBAMCBaAwHQYDVR01BBYwFAYIKwYBBQUHAwEG CCsGAQUFBwMCMAwGA1UdEwEB/wQCMAAwHQYDVROOBBYEFKd+i0k74cL+7ybvz1zn k8HXiLSMMB8GA1UdIw0YMBaAFB0usxe3WFbLr1AJ00Yfr52LFMLGMFUGCCsGA0UF BwEBBEkwRzAhBggrBgEFBQcwAYYVaHR0cDovL31zLm8ubGVuY31ub3JnMCIGCCsG AQUFBzAChhZodHRw0i8vcjMuaS5sZW5jci5vcmcvMCYGA1UdEQQfMB2CG2NhZmUt ZGVtby5zZWN1cmVkLWxvZ29uLmNvbTATBgNVHSAEDDAKMAgGBmeBDAECATCCAQQG CisGAQQB1nkCBAIEgfUEgfIA8AB2AEiw42vapkc0D+VqAvqdMOscUgHLVt0sgdm7 v6s52IRzAAABjcTWjhUAAAQDAEcwRQIgVZ34DMQrv9NmhgyagwjATJ5BTzJUOCfK 3 tCG8Ysq2nMCIQCxdYDB8M4zKRtHg8UhGSkp+fk1XLnQyfre2du1utr0hgB2AHb/ iD8KtvuVUcJhzPWHujS0pM27KdxoQgqf5mdMWjp0AAABjcTWjnkAAAQDAEcwRQIh AJypjVREW7zwBOJtJ9BKrPur9svYGc4nsyMOMUEpsmf1AiBXzwENHhFz3A5n8Sk/ Lj4YVBQdnGwYoHMIYco1Ui9qkzANBgkqhkiG9w0BAQsFAAOCAQEAmknY1SzgQtSy RAFNquFC30d0+CfiXUtyuC2NQpoF/ZmiAHLXX4H11x1/Ns1AugMW2n9oeIYTDIM+ I/DyQWKRUdgN9ydP1d5NtGY1uGdpCk2myB+nkhAji7LKeWvbnn0GGWpPL16/kH3Z FwBtDyyRr3kNCvCQCaPHDiPX6Pj9JZyV81KGfwq+rAQmDqLTmYqsD1TsPFz6j1Jn 40kHHgHV2nZrcJ8HwGbbgJT94DLVwPoPtRODy/SECTMM6IZJchj0WmydWWJkvgRR V1COHCeb5gi85TL9PepFG1CK1aaiGHCBFT9o/tzckE3gH4ZzkL+Pv+2Fa21sYxn1

Private key:

-----BEGIN RSA PRIVATE KEY-----MI IJKgIBAAKCAgEA4WBjFg9QbaSCbE/Ni 7Wv5Q5v0PpJUVa t 4W04zngVPFPXkUeA pWxQZT450kD5F57 t dUwErBtCdxg5anv+XPC t yeMCywbA1MEy7nj J9vnPSpjFcqe7 fo7kav/cx2aWvVLCaDk11hw72sMie/Yba47S1P+2u7CbDAcK8jPyIiKBYUIJsOL Xh09ioGKgVCL9PQ2qr7qbNgcMEiL1qeyEveJoc4NDS/3f/YHg/ku69xuEVul+ugB Levw1aGMwHyyrQBJ cpjyXodxvYkDNwKecOGZvye72vdtggLUTWZn/Rqv5PRnyU/R sN/d+H756WSRdnPg1VOD0mnp54AsCR0fo6nQ2AW1wPQr4zaKoT/seIqStKcpzDz th5EJ021HBpOB1YUK+vL++sE2C9TsKEDE69DjqGYtWE01zWKtnBKCLtfzJqR6NX oan9y/vID4XusR3Vb6EPty8sqMJQga1K8XDAypsNDyWcQ13NkB61X371EQku0A16 47cjysN66T04UWcx4pzZYQT9xcHGYaVH5+01n1Q5f12/SYRF1sbcCq9RJq0WSGjo du6XHKGIWzRiuD/FQ72CGhBVfEkcLP+oio+J5x61+B9DBfk33qQChYMSrnDjewZ VkvC/PpJRKYM1pGz5j04sG2Fcx5vULZP0uaH8D5RuMQmpt4fKeqA12+601kCAwEA AQKCAgA2FXpRveUQG1Nrq21vPjz383i/3T+tu1NLDAaJAj8jCYr79u4VtDIKvGX Qg5Mk8/qGQ75+iSuDbshiZXV2c/qpbZy4DEAHUjKn2PgB7yt6xFe3U+KJGI+Jx51 H41uZfjW26xu3QN1A0xmYY8vauN8xWtgQHGZosXv3+W0+sccYfs9zHD06fVtun5xJ X9Hm04Cu4tfAv0-uyons41tCX/LASIErS/p506GkEvUm1qQ30CH9QBWgXoFCdx0e yA3cpDf77yYidyBdWhbSCafZ8NmDXNagykWMHWgCV1D/Vr3RbW4XexmVdcHaR9 VwLn1RE45Gy63r0/pRQHMP9BMZyDeKooWpzJVfs7gQMzzefUUQSSjQu*BL14YCwF LCee3CcKm713vYGqa47F3gaXivUg/1+CaxwapkRIz5+qk4t21aPgB33gxpjbqnb6 PR+v0pc9czz1uW26EzUTEiH+Fqzwzs0tbJkgiL81RigBTf0r/MGdx5hW4UBitw1 FQCwkBBbfWJRm1TSyANCSMdkSBEPdLvmG9j9x1R688Y00YidMvIFzCHvDvv/th4 h6D8gZj5HF+RIPwP5jgijghxxOD1NnNmLr0mQET10jQQArr0diQhs9HY7jRu14h r6yC8kUhX0eRQjb+3a1eCo396gkAH8QtSjANTmonU3s3pfDH0KCAQEA+8xrVVj7 G6hdpngaAZ190aciAbZfrP1kv88XbbuZ8m40Y0mgX5vWdfTGbeauBtmCT46cx2R wJd+ArKDTshjFXHf07F81k7butigKpa4dxH0Mm21aMryd+NIqDEXK8PMGg60qe0P SnyJQQBqz0KNk0g1Yp0shXhF1QNWDs3JPWaHCHcB+HXnhvDUg91zkeC/gUJmZ WP1hJ93AgVaQfFbMG8J+xN9SVHB1Rz7Fz9hRiMfrFzCcxjG1Ng18pZ00nHEh/SQt GLmJb1/a8wrHM8ETh1RTe17XxntscGS+g6bMeq3QnNhJ+kGhaxRDyzwzg+2aB102 BcQ3nqrdpj3RywKCAQEA5SMaj6KhTaamd1E6hchnnEenkcP08Lp+V+9EZ98gtWFk isTe/i1ptZ0K48NcS1SyzZ3HAF1QASjNZCUWbXbe7GfcRyAA5bn0yAexkrBs5ws0 M1w1v70JytF1c01qbQ26EeCLhYx0Eg6ws+X60JviUH31iS/ovFQDq2bncuUchsd SxHAnF5Hsxb1pO6fZVpmq2nAM/xz0/IsYZUWSb c. Copy your Private key and SSL certificate file content to "Certificate" and "Private key" field.

ecCLOUD Powered by IgniteNet	Jim > AuthPort - Certificate	
CLOUD MENU	AuthPort Cortificato	
hoose a Group 🔻	Addiroit certificate	
hoose a Site 🔻	Certificate	٦
Dashboard	BEGIN RSA PRIVATE KEY MIIJKgIBAAKCAgEA4WBJFg9QbaSCbE/NI7Wv5Q5vOPpJUVat4WO4zngVPFPXkUeA pWxQZT450kD5F57tdUwErBtCdxg5anv+XPCtyeMCywbA1MEy7njJ9vnPSpjFcqe7	
Devices	fo7kav/cx2aWVVVLCaDk11hw72sMie/Yba47S1P+2u7CbDAcK8jPyliKBYUIJs0L Xh09ioGKgVCL9PQ2qr7qbNgcMEiLlqeyEveJoc4NDS/3f/YHg/ku69xuEVuU+ugB	
] Activity	LevwlaGMwHyyrQBJcpjyXodxvYkDNwKecOGZvye72vdtggLUTWZn/Rqv5PRnyU/R sN/d+H756W5RdnPglVOD0mnnp54AsCROfo6nQzAWlwPQr4zaKoT/selqStKcpzDz th5EJ02IHBpOB1YUK+vL++sE2C9TsKEDE69Djq6YtWE0IzWMxtnBKCLtfzJqR6NX	
anage	oan9y/vID4XusR3Vb6EPty8sqMJQgalK8XDAypsNDyWcQl3NkB6lX37IEQkuOAl6 47cjysN66T04UWcx4pzZYQT9xcHGYaVH5+0tn1Q5f12/SYRF1sbcCq9RJqOWSGjo	
Site management		
User management		
Report manageme	MDIXCZAJBQNVBAYTAIVTMRYwFAYDVQQXEw1MZXQncyBFbmNyeXB0MQswCQYDVQQD EwJSMZAeFw0yNDAyMjAwMzQ2NTFaFw0yNDA1MjAwMzQ2NTBaMCYxJDAiBgNVBAMT	
Add-ons	G2NhZmUtZGVtby5zZWN1cmVkLWxvZ29uLmNvbTCCAilwDQYJKoZlhvcNAQEBBQAD ggIPADCCAgoCggIBAOFgYxYPUG2kgmxPzYu1r+UObzj65VFWreFjuM54FTxT15FH	
Licenses & Billing	gKVsUGU+OdJA+Ree7XVMBKwbQncYOWp7/lzwrcnjAssGwNTBMu54yfb5z0qYxXKn u3605Gr/3Mdmllb1Swmg5NdYcO9rDInv2G2u00tT/truwmwwHCvIz8iligWFCCbN c1/dPXoBioE0i/TDNgc+6mzYHDBlj5apsbl3iaH0D00v93/28/B5LuvcbbEblPzo	
Properties	AS3r8JWhjMB8sq0ASXKY8l6Hcb2JAzcCnnDhmb8nu9r3bYIC1E1mZ/0ar+T0Z8IP	
🕯 AuthPort 🔷 🔨		
Service Plans		
Accounts	This is optional. Please upload here if your cert need intermediate certificate.	
Certificate		
Captive Portal		
≔ Event Log	v	
) Owner		

d. The "**DNS**" field does not need to be filled and will be automatically filled by the system with the certificate's common name once the "**Certificate**" field has been filled.

6. Enable AuthPort in SSID Configuration Settings

In configuration settings of each SSID, AuthPort can be enabled under "**Network Settings**". Once enabled, the "**Captive Portal**" option will appear for the desired captive portal to be selected. Thus, each SSID can have its independent AuthPort setting and captive portal.

a. On the Site Menu, go to "**Configuration > WiFi 5/ WiFi 6 > Wireless SSID**" and click on "**Add SSID**" to create a new SSID. To modify an existing SSID, click on "**Edit**" under Actions.

< SITE MENU	Site Configuration -	Wi-Ei 6 Accoss						DISCARD	
EAP102-Jim 👻	Site configuration -	WHIT O ACCESS							
II Dashboard	Wireless SSID Radio Setti	ings General Networking Loca	l Networks Firewall Hotspo	t System Settings	OpenRoaming				
Devices	In this site menu, affect 1 devic	ce(s): EAP102 .							
Configuration	SSID LIST								+ ADD SSID
* Council	🗆 SSID 🗸	RADIOS ≑	NETWORK BEHAVIOR \$		SECURITY \$	ENCRYPTION KEY \$		STATE 🗘	ACTIONS
🐼 General	EAP102-Jim	6GHz / 5 GHz / 2.4 GHz	Route to Internet		WPA3 Personal	••••••	۲		i
₩ Wi-Fi 5								6	
😭 Wi-Fi 6	WIRELESS SCHEDULI	NG 🕼						Ľ	ADD SCHEDULE
MetroLinq	○ NAME ¢	START TIME		END TIME		DAYS \$	ENABLED		ACTIONS
甚 GLing	No data available for this list								
III Switch									
රා MLTG									
E Activity									
E Activity									
 Wireless Clients 									
Manage									
♥ Maps ~									
Add-ons									
 Site Properties 									
Notifications									
Owner									

b. Scroll down to "Network Settings", Select Network behaviour: "Bridge to Internet" or "VLAN tag traffic" and enable "AuthPort". Once enabled, the "Captive Portal" setting will be displayed below. If no captive portals have been added previously in "AuthPort > Captive Portal" at the cloud level, only the default captive portal will be available. However, you can also add captive portals from this page by clicking on "ADD NEW PORTAL". Captive portals added from this page will appear under "AuthPort > Captive Portal" at the cloud level.

Add	SSID			_
	U-APSD			
^	Security Settings			
	Method	WPA3 Personal	~	0
	Кеу	•••••	۲	
	Access Control List	•		
	802.11r	•		
	802.11k	•		
	802.11v	•		
^	Network Settings			
	Network behavior	Bridge to Internet	~	0
'	Limit upload rate	•		
	Limit download rate	•		
	AuthPort Enable]
	Captive Portal	Default captive portal	~	
	Microsoft 365 Authentication	Default captive portal		1
	Proxy ARP	Only applicable for son	ne devices	

• Network behaviour: "Bridge to Internet"

Add	ISSID			CANCEL	CONFIRM
^	Security Settings				
	Method	WPA3 Personal			
	Key	••••••			
	Access Control List	•			
	802.11r	•			
	802.11k	•			
	802.11v	•			
^	Network Settings				
	Network behavior	VLAN tag traffic	0		
	VLAN ID	Please select VLAN	CONFIGURE VLANS		
	Limit upload rate	•			
	Limit download rate	•	_		
	AuthPort Enable				
	Captive Portal	Default captive portal			
	Microsoft 365 Authentication	Default captive portal Test			
	Proxy ARP	Only applicable for some device	es		

• Network behaviour: "VLAN tag traffic"

7. Wireless Client Login Test & Account Monitoring

7.1 Wireless Client Login Test

- a. On your Wi-Fi device, connect to an SSID that has AuthPort enabled.
- b. On the login screen, enter a set of pre-generated username and password (and tick the box for "I agree with terms and conditions" if necessary) to login.



c. The following screen will be shown upon successful login.



7.2 Account Monitoring

a. Go to "Accounts" from the "AuthPort" submenu. Here you will be able to monitor account status in real-time.

ecCLOUD Forward by Ignitation	Edgecore University > AuthPort - Account List	ୟ ≔ [🕽 📫 💦 📥 Edgecore University 🗸	😫 Hi, cindy 👻
CLOUD MENU	AuthPort Accounts		+ ADD AN ACCOUNT + GENE	RATE ACCOUNTS
Choose a Site 🔻				
Dashboard	C REFRESH C EXPORT		Q. Search	
Devices	□ O USERNAME ↑ PASSWORD	PLAN TRAFFIC QUOTA	EXPIRATION TIME SESSION DURATION NOTE	
Activity	O demoaccount	Students 3MB used total 1GB	Expires in 7 days 2021-02-04 17:34 Offline	EDIT DELETE
Manage			Rows per page: 10 👻	< >
Site management				
Ø User management				
Add-ons				
Licenses & Billing				
Properties				
🗣 AuthPort 🔨				
圈 Service Plans				
Accounts				
• Owner				