

N. Tre



IndioCloud

PRODUCT GUIDE 1.0







www.indionetworks.com



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1. Dashboard

The dashboard allows you to view various user activity reports like data usage per device, traffic specific website access, syslog and more.

			🐴 👫 📙 Ucentral-Demo 🗸
≡	♣ Home > NMS > Dashboard		
🥵 Networks 🛛 🔇	Dashboard Hotspots Networks Access Points	WIFI Clients SysLog WIPS	
📥 Authentication 🛛 <	Dashboard		
O Billing <	S 15 🕥 0	● ▲ •	🐮 🛛 🚍 🔸
Monetization <	Hotspots Up APs	Down APs Unchecked APs	Active Clients Total Events
😢 Web Filtering 🛛 🔇	AP Status	Vendor Distribution	Events
🔟 Reporting 🛛 🗸	Ounchecked Oown Oup	Unknown Himachal Futuristic	
🐣 Reseller Management <		Wifi-soft LLC	
💪 Tickets 🗸 🤇		22%	
📥 Admin <	AP Status Down	Vendor Dist. 80%	

2. Device Configuration

This section deals with the device configuration.

		RKS							<u> </u>	Ucentral-Demo	~	
		\equiv	🖀 Home	> Device Template								
	🖶 Dashboard		Device Tem	nplate								
1	📽 Networks	~ <	🔳 Devic	ce Template							Add	Template
	Monitor		Show 50		✓ entries				Search:) A	
2	Profiles 802.1x	~	Sr No.	Template Name	Upstream Port Count	Downstream Port Count	2.4 GHz Radio Count	5 GHz Radio Count	6 GHz Radio Count	Operations	Apply Configuration	Edit Device Template
	LDAP		1	test	1	1	1	1	0	2 0 2		
	RADIUS		2	test1	1	1	1	1	0	S 0 8		•
3	Device		3	test	1	1	1	1	0	S		1
	Firmware		4	NewProfile12Oct	1	1	1	1	0	8 8		Configure
	Heatmap WIPS		5	newprofile	1	1	1	1	0	3 ≎ 2 8	Delete Dev Template	ice



Once you click on the "+" symbol a window will appear, fill in the required details.

Note: Default confi	guratio	n is alro	eady available.					
							A A	👤 Ucentral-Demo 🗸
	🖀 Home 🗄		Add Device Tem	plate	×			•
			Template Name *	Template Name		-		
			Copy Existing Template					
			Upstream Port Count *	1		Iz Radio		
			Downstream Port Count *	1				
			2.4 GHz Radio Count	1				
			6 GHz Radio Count	0				
			Profile Description	Profile Description		•		
					Close Save			

In case you want to make any changes in the configuration, perform the following steps:

							<u>8</u> 8 👫	🔒 Ucentral-Demo 🗸	
\equiv	分 Home >	Device Template							
🚸 Dashboard	Device Tem	plate							
📽 Networks 🗸 🗸	E Device	e Template						+	
Monitor	Show 50	•	✓ entries				Search:	-	
Profiles 🗸 🗸	Sr		Upstream Port	Downstream Port	2.4 GHz Radio	5 GHz Radio	6 GHz Radio		Configuro
802.1x	No.	Template Name	Count	Count	Count	Count	Count	Operations	Configure
LDAP	1	test	1	1	1	1	0		
RADIUS	2	test1	1	1	1	1	0	S 0 2	
Passpoint								8	
Device	3	test	1	1	1	1	0	2 ♦ 2 8	
Firmware	4	NewProfile12Oct	1	1	1	1	0	8	
Heatmap	5	newprofile	1	1	1	1	0	0 0	
WIPS									



Device template configure section allows following changes:

Set **IPv4** and **IPv6** address to be used on a configured upstream (WAN) or downstream (LAN) interface.



										_	
							<u>68</u> 1	🏦 🤰 Ucentra	I-Demo 💙		
≡	♣ Home > Devie	ce Template > tes	t > List IPv6								Download
📌 Dashboard	IPv4 IPv6 I	Metrics Service	Radio Wireless I	nterface						Add IP6	Configuration
📽 Networks 🗸 🗸	≡ IPv6 List							(+	₽ ⊕		1
Monitor	Show 10		✓ entries				Search:				+
Profiles 🗸 🗸	Sr No.	Name	Addressing	Subnet	Gateway IP	DNS	DHCP	Operations		+ 2	; ⊙
802.1x				No data	available in table						
MAC Logins	Showing 0 to 0 of 0	entries						Previous	Next		
LDAP										Apply Configu	iration
RADIUS										compe	
Passpoint											
Device											
Firmware											



The **Metrics** section provides a granular configuration. There are several types of metrics that shall be reported in certain intervals.

			🚳 🌴 🤱 Ucentral-Demo 🗸	
≡	♣ Home > Device Template > test > List Metrics			Apply
👫 Dashboard	IPv4 IPv6 Metrics Service Radio Wireless Interface			Configuration
🤹 Networks 🗸 🗸	Metrics List		[2 0]	
Monitor	Show 10 V entries		Search:	
Profiles 🗸 🗸	Metrics Name	Status	Actions	€ .
802.1x	Statistics	Enabled	Edit	1
MAC Logins	Health	Enabled		
LDAP	WiFi Filter	Disabled	2	Download
RADIUS	DHCP Snooping	Disabled	æ	Comguration
Passpoint	Showing 1 to 4 of 4 entries		Previous 1 Next	
Device				
Firmware				
Heatmap				

Statistics	Statistics are traffic counters, neighbour tables
Health	Health check gets executed periodically and will report a health value between 0-100 indicating how healthy the device thinks it is.
WiFi Filter	Defines which types of ieee802.11 management frames shall be sent up to the controller.
DHCP Snooping	Defines which types of ieee802.11 management frames shall be sent up to the controller.

The **Service** section describes all of the services that may be present on the AP. Each service is then referenced via its name inside an interface.

			🚳 🦂 💄 Ucentral-Demo 🗸	
				Apply
🖀 Dashboard	IPv4 IPv6 Metrics Service Radio Wireless Interfa	ace		Configuration
😂 Networks 🗸 🗸	Service List		C 0	
Monitor	Show ventries		Search:	
Profiles 🗸 🗸				
000.4	Service	Status	Operations	$\mathbf{c} \mathbf{\Theta}$
802.1x	LLDP	Enabled	Edit	*
MAC Logins	SSH	Enabled	CZ	
LDAP	NTP	Disabled	2	I
RADIUS	MDNS	Disabled	2	Download
Passpoint	RTTY	Disabled	2	Configuration
Dovico	LOG	Disabled	C	
	нттр	Disabled	2	
Firmware	IGMP	Disabled		
Heatman	IGME			
ricothap	Online Check	Disabled		



LLDP	Link Layer Discovery Protocol describes interfaces and capabilities between directly attached neighbours over Layer 2.
SSH	SSH provides strong password authentication and public key authentication, as well as encrypted data communications between two computers connecting over an open network, such as the internet.
NTP	NTP is intended to synchronize all subscribing devices to within a few milliseconds of Coordinated Universal Time (UTC) by querying a master server for the current time and then resetting its own local clock to match.
MDNS	It resolves hostnames to IP addresses within small networks that do not include a local name server.
RTTY	RTTY (Radio TeleTYpe) is a method of using tones to send digital messages between radios in amateur HF bands (and other services). This section can be used to setup a persistent connection to a rTTY server.
НТТР	HTTP functions as a request-response protocol in the client-server computing model. Enables the webserver with the on-boarding webui
IGMP	ICMP creates and sends messages to the source IP address indicating that a gateway to the internet, such as a router, service or host, cannot be reached for packet delivery.
Online Check	This section is used to make end user aware about the backhaul connectivity status either by using LEDs or SSID broadcast. If enabled, AP starts to blink LED or stops broadcasting the SSID if the connectivity to host (Hosts that shall be pinged to find out if we are online) is lost
OpenFlow	OpenFlow specifies the communication between the control plane and the data plane. This protocol allows a server to tell network switches where to send packets.
WiFi Steering	Wifi band steering detects what a wireless device supports and automatically steers it to the best available frequency band when connecting to a Wifi network.
Captive Portal	This section can be used to setup a captive portal on the AP with a click-to-continue splash page.
Content Filtering	Content filtering is a process that manages or screens access to specific emails or webpages, executables and other suspicious items.
Air Time Fairness	This section describes the VLAN behaviour of a logical network interface.

Open Flow Configuration:

				🙉 🐟 🥊 Ucentral-Demo
NETWORKS	NTP	Disabled	ß	
RADIUS	MDNS	Disabled	ß	
Passpoint	RTTY	Disabled	8	
Device	LOG	Disabled	8	
	НТТР	Disabled	œ	
Firmware	IGMP	Disabled	ß	
Heatmap	Online Check	Disabled	8	
WIPS	Open Flow	Disabled	2)	Edit
📥 Authentication 🛛 <	WiFi Steering	Disabled	ß	
🔟 Billing 🗸	Captive Portal	Disabled	œ	
Analytics <	ContentFiltering	Disabled	ß	
	Air Time Fairness	Disabled	ß	
	Showing 1 to 14 of 14 entries			Previous 1 Next
📶 Reporting 🛛 🔍				
	RADIUS Passpoint Device Firmware Heatmap WIPS A Authentication (Billing (Analytics (Monetization (Monetization (RADIUS NTP RADIUS MDNS Passpoint LOG Device HTTP Firmware IGMP Heatmap Online Check WIPS Open Flow WIFI Steering Captive Portal ContentFiltering Analytics Monetization Showing 1 to 14 of 14 entries Reporting	NTP Disabled RADIUS MDNS Disabled Passpoint Disabled Item Passpoint Device HTP Disabled Firmware ICOG Disabled Heatmap Online Check Disabled VVIPS Open Flow Disabled WiFI Steering Disabled Content Filtering Disabled Analytics Content Filtering Disabled Analytics Showing 1 to 14 of 14 entries Showing 1 to 14 of 14 entries	NTP Disabled Image: Content Filtering Rabilus MDNS Disabled Image: Content Filtering Parsonint Disabled Image: Content Filtering Image: Content Fil



				* 💄 Ucentral-Demo 🗸
Device	Open Flow Servi	ce Settings	×	
Firmware	Openflow	\checkmark		
Heatmap	Controller Ip	IP Address		
WIPS	Controller Port	0-65535		
Authentication < Billing <	Mode	○ SSL ○ TCP		
Analytics <	CA Certificate	Choose File No file chosen		
II Monetization <	Server Certificate	Choose File No file chosen		
🖬 Reporting 🧹	Private Key	Choose File No file chosen)	
Reseller Management <				
Autor			Close Save	_
2022 © Indio Networks Pvt. Ltd.				<u>^</u>

WiFi Steering:

				<u></u> 4	🐐 🤰 Ucentral-Demo 🗸
1	Passpoint	LOG	Disabled	2	
<u> </u>	-	нттр	Disabled	8	
	Hiniwale Heatmap WIPS	IGMP	Disabled	2	
		Online Check	Disabled	2	
		Open Flow	Disabled	8	
		WiFi Steering	Disabled 2	Edit	
	🗿 Billing <	Captive Portal	Disabled	8	
	🔟 Analytics 🗸	ContentFiltering	Disabled	2	
	🔲 Monetization 🛛 🔍	Air Time Fairness	Disabled	Ø	
	📶 Reporting 🛛 <	Showing 1 to 14 of 14 entries		Previous 1 Next	
	💄 Reseller Management 🛛 <				
	📥 Admin 🛛 <				



						@ #]	Ucentral-Demo 🗸
Passpoint	RTTY	WiFi Steering Se	ervice Settings		×		
Device	LOG						
Firmware	НТТР	WiFi Steering	×		68		
Heatmap	IGMP	Mode	○ Local ○ Cloud		a		
WIPS	Online Check	Assoc Steering			2		
	Open Flow			dBm			
in Authentication K	Cantivo Portal	Required SNR	Number				
🔟 Billing 🛛 <	ContentFiltering	Probe SNR	Number	dBm	2		
Analytics <	Air Time Fairness	Roam SNR	Number	dBm			
Monetization <	Showing 1 to 14 of 14 en	Client Lord (9()	0.100				
Reporting <		Client Load (%)	0-100				
👗 Reseller Management <		Auto Channel			•		
🛔 Admin 🧹 🤇				Close S	ave		

Captive Portal:

Passpoint				
	LOG	Disabled	⊘	
Firmware	HTTP	Disabled	C.	
Filliwale	IGMP	Disabled	2	
Heatmap	Online Check	Disabled	2	
WIPS	Open Flow	Disabled	2	
Authentication	< WiFi Steering	Disabled	2	
Billing	Captive Portal	Enabled	2	Edit
Analytics	ContentFiltering	Disabled	2	
	Air Time Fairness	Disabled	6	
Monetization	Showing 1 to 14 of 14 entries			Previous 1 Ne
Reporting	<			
🔓 Reseller Management	< -			
🔒 Admin	<			



	Captive Portal S	ervice Settings	× Operations	
	CaptivePortal	 Image: A start of the start of		
	Portal Type	🔿 Local 🔿 External	œ	
	Radius Auth Group •	Radius Auth Group		
	Radius Auth Profile •	Select Radius Auth Profile		
			Close Save	
		Disabled	a.	
Air Time Fairness		Disabled	2	

The **Radio** section deals with configuration of radio mode, channel, and power level of an access point, essential functions to consider when setting and deploying networks.





					a a 🛔	Ucentral-Demo 🗸
\equiv	Home > Device Ter	Add Radio		×		
🏶 Dashboard	IPv4 IPv6 Metri			^		
📽 Networks 🗸 🗸	🔳 Radio List	Country *	India			
Monitor	Show 10	RadioName *	Radio Name			
Profiles 🗸 🗸	Sr No. Radi	Band *	Select Band	~		
802.1x	1 Radio:	Channel Mode *	Select Channel Mode	~		
MAC Logins	2 Radio:	Channel Width •	Select Channel Width	~		
LDAP	Showing 1 to 2 of 2 entrie	Channel Number *	Auto	~		
RADIUS				dBm		
Passpoint		Tx Power *	0			
Device		мімо •	2 X 2	· .		
Firmware				lana Caus		
Heatmap			Ĺ	Jose Save		

The **Wireless** section is focused on ensuring that your WiFi network is secure and protected from unauthorized access or interference. One of the options available to you is the ability to set a unique SSID (Service Set Identifier) for your network, which is essentially the name that your WiFi network will be identified by.

						<u>4</u> 3	😚 🤱 Ucentral-Demo 🗸						
\equiv		# Home > Device Template > test > List Wireless											
Dashboard	IPv4 IPv6 Me	trics Service Radio Wireless Interfa		Download									
📽 Networks 🚺 🗸	Wireless List		Add Wireless	Configuration									
Monitor	Show 10 v er	ntries											
Profiles 2 ~	Sr No.	SSID	Mode	Security	Steering	Roaming	Actions		+				
802.1x	1	Ucentral-Demo-Guest11	AP	WPA-PSK	Yes	No	CZ B	+ 2	; 🕘				
LDAP	2	Ucentral-Demo-Private	AP	WPA2-PSK	Yes	No	C e	1					
RADIUS	Showing 1 to 2 of 2 en	tries					Previous 1 Next						
Passpoint								Apply	Configuration				
Device 3									U				
Firmware													
Heatmap								Ø					
WIPS								1	1				
📥 Authentication 🛛 <													
🚥 Billing 🧹 🤇								Edit Wireless	Delete				



				👃 Ucentral-Demo \vee
\equiv	Home > Device Ter Add Wireless	×		
👋 Dashboard	IPv4 IPv6 Metri		-	
🕰 Networks 🗸 🗸	Name 🔲 Wireless List	• Name		
Monitor	Show 10 V entr	Select Mode	Search:	
Profiles 🗸 🗸	Sr No.	Select security	Roaming	
802.1×	1 Ur MFP	O Disabled Optional Required	No	
MAC Logins	2 Ur Rate Lim	it 🗆	No	
LDAP	Showing 1 to 2 of 2 entrie Wifi Steerir	Ig 🗌		
RADIUS				
Passpoint	Hide 551			
Device	Client Isolatio	in 🗆	•	
Firmware		Close Add		
Heatmap				

The **Interface** section describes the logical network interfaces of the device. Interfaces as their primary have a role that is upstream, downstream, guest network, etc.





To add or edit the Interface, fill in the required details:

					🚳 🗌 💄 Ucentral-Demo 🗸
	♣ Home > Device Ter	Add Interface		×	
着 Dashboard	IPv4 IPv6 Metri		News		
📽 Networks	🔳 Interface List	Name *	Name		
Monitor	Show 10	Role *	Opstream		
Profiles	Sr No.	Tunnel	\checkmark	ces	
802.1x	1	Tunnel Type	● GRE ○ VxLAN ○ Mesh	.DP	
MAC Logins	2	GRE Server Address *	● IPv4 ○ IPv6	.DP	
LDAP	Showing 1 to 2 of 2 entri	Server Address	IP Address		
RADIUS					
Passpoint		GRE Tunnel Healthcheck			
Device		Wired Meshing	LAN*	-	
Firmware				Close Save	
Heatmap					

		đ) 🖀 💄 Ucentral-Demo 🗸
	Home > Device Tel Edit Interface Edit Edit Interface Edit Edit	×	
希 Dashboard	IPv4 IPv6 Metri	<u>^</u>	
🗱 Networks 🗸 🗸	Name * WAN		
Monitor	Role •	Search:	
Profiles 🗸 🗸	Sr No.	ces	
802.1×	1 Port • 📝 WAN •	.DP	
MAC Logins	2 VLAN	.DP	
LDAP	Showing 1 to 2 of 2 entri		
RADIUS	Ibud perfet Pefault Wan1		
Passpoint	ILA4LIONS CONTURN		
Device	IPv6	-	
Firmware	Close	Save	
Heatmap			

			é	🕯 🔺 💄 Ucentral-Demo 🗸
	Home > Device Ter Edit Interface	:	×	
 Dashboard Networks 	IPv4 IPv6 Metri Nan	wan	Î	
Monitor	Interface List	le 🔹 🖲 Upstream 💿 Downstream		
Profiles 🗸 🗸	Snow Tur	nel 🗸	ces	
802.1x	1 Tunnel T	rpe	.DP	
MAC Logins	2 GRE Server Addre	is • (1) IPv4 () IPv6	.DP	
LDAP	Showing 1 to 2 of 2 entrie Server Add	ess IP Address		
Passpoint	GRE Tunnel Healthch	eck		
Device	Wired Mest	ing LAN*		
Firmware			Close Save	
Heatmap				13



2. Access Point Provisioning

This section allows you to add an access point in your network.

		K S	at Lie										<u>8</u> 3 👫	L Ucentral-	Demo 🗸	Add AP	
	👫 Dashboard	=	Hotspots Networks Access Points Clients SysLog Events WIPS										1	Мар			
1	📽 Networks	~ <	• List AP									ļ	Ļ				
2			20 v records per page									+	QQ				
	Profiles	<	Sr.N	•	lords per page							Lastsee					1
	Firmware		0		AP Name	MAC Address	Hotspot	Vendor	Model	Channel	Clients	n	IP Address	Action			2
	Heatmap		1	7	72:6D:EC:0A:2E:B 9	72:6D:EC:0A:2 E:B9	QA_venue1	-	305AC /Indoor	,-	-	-	-	282728292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929292929			Search
	WIPS		2		0006AED32F72	00:06:AE:D3:2F	802.1x_Rajendra	Himachal	HFCL	.÷	-	-	-	8 6			
	📥 Authentication	<				.72		Communications Ltd	10144					•			
	0 Billing	<	3		0006AED3228E	00:06:AE:D3:22	802.1x_Rajendra	Himachal	HFCL	,-	-	-	-	89 🕜			
	Analytics	<				:0E		Communications	IUN4					• •			
	 Monetization Reporting 	< <	4		00:06:AE:7F:FD:C4	00:06:AE:7F:FD :C4		Himachal Futuristic	HFCL ION4	,-	-		-	28CCC			

Fill in the required details in order to add a new access point.

		🍄 🦂 test2nov 🗸								
≡	# Home → NMS → New Access Point									
👫 Dashboard	Dashboard Hotspot Networks Access Points New Access Point Events									
📽 Networks 🗸 🗸	New Access Point									
Monitor										
Profiles <	Access Point Information									
Firmware	Device Name*									
Heatmap	Hotspot* Select Venue 💌									
Scan 7TP	Device Model* Select an Option *									
🚣 Authentication 🛛 🗸	MAC Address * (Mac Address Format: 70:6D:EC:03:06:2B)									
🚥 Billing <	Device Profile Select Device Profile									
O Analytics <	AP Location Tag*									
Monetization										



3. Access Point Command Section

This section defines various commands that can be given to the access points.

	A Hor	ne > N	IMS > Access Points											
A Dashboard	Hotspo	ots N	etworks Access Po	oints 3	SysLog Events	WIPS								Add AP
📽 Networks 🗸 🗸	♀ List	AP										+	• Q 💡	I
												_		
Profiles <	20	✓ rec	orus per page							Lastsee				+
Firmware	0		AP Name	MAC Address	Hotspot	Vendor	Model	Channel	Clients	n	IP Address	Action	•	
Heatmap	1		70:6D:EC:13:00:09	7 4 13:00		Wifi-soft LLC	-	17	-	-	-	88 🕜		
Scan ZTP	2		325AC-pragati	70:6D:EC:10:06 :5A	325AC_Hotspot	Wifi-soft LLC	Indio 325AC /Indoor	,-	-	-	•	€ C C C		Se
Authentication <	3		Data test	68:33:2C:00:3E: 06	305AX-TEST	Indio Networks	Indio 325AC /Indoor	Auto , Auto	-	22/12/2 022 17:35:08	172.31.254.1 21	88 CZ		
Billing < Analytics <	4		ConnectivityE	70:6D:EC:02:99 :94	connectivity_ven ue	Wifi-soft LLC	310N/I ndoor	Auto , Auto	-	-	-	88 🗭		
Monotization			ConnectivityD	70:6D:EC:02:99	connectivity ven	Wifi-soft LLC	310N/I	Auto,	-	-	-			
	5			:99	ue		ndoor	Auto			<u>æ</u>	TES	T2NOV ~	8
Analytics Monetization Analytics Monetization	Clients	; DH	ICP Lease Neighbo	:99 ur AP's Ports	ue	nmand 5	ndoor d History	Auto	Notes	System	<u>æ</u>	a o	T2NOV V	1
Analytics Analytics Monetization Analytics Analytic	Clients	; DH	ICP Lease Neighbo	:99 ur AP's Ports Command	ue Interface	mand 5	ndoor d History	Auto	Notes	System	es de la constante de la const	 • •	T2NOV ~	8
Analytics	Clients	; DH	ICP Lease Neighbo	:99 ur AP's Ports Command Reboot	ue	mand 5	d History	Auto	Notes	System Ac	en · ·	# Es	T2NOV ~	
Analytics Constraints Constrai	Clients Sr No 1 2	; DH	ICP Lease Neighbo	:99 ur AP's Ports Command Reboot Firmware up	ue Interface Con	imand 5	d History	Auto	Notes	System Ac	es r tion z		T2NOV ~	
Analytics Analytics Reporting Reseller Admin Analytic Admin Analytics Admin Analytics Admin Analytics Admin Analytics Admin Analytics Ana	Clients Sr No 1 2 3	; DH	ICP Lease Neighbo	:99 Ports Command Reboot Firmware up Wifi-Scan	ue Interface Con	mand 5	d History	Auto Events	Notes	System Acc	etion z z z	• •	T2NOV ~	
Admin C Admin	5 Clients Sr N (1 2 3 4	; DH	ICP Lease Neighbo	:99 Ports Ports Command Reboot Firmware up Vilf-Scan Connect	ue Interface Con	imand 5	d History	Auto	Notes	System Ac	en intion	• •		
Analytics Analytics Analytics Analytics Analytics Analytics Analytics Analytics Admin Admin Admin	5 Clients 5 7 No 1 2 3 4 5	; DH	ICP Lease Neighbo	:99 Ports Ports Command Reboot Firmware up Wifi-Scan UWifi-Scan Blink	ue Interface Con	mand 5	d History	Auto	Notes	System Ac Ac Ac Ac Ac Ac Ac Ac Ac Ac	22	▲ 2 TES	T2NOV ~	
Analytics	5 Clients Sr N - 1 2 3 4 5 6	• DH	ICP Lease Neighbo	199 Ports Ports Command Reboot Firmware up Wilfi-Scan Connect Blink Trace	ue Interface Con	mand 5	d History	Auto	Notes	System	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	* 💄 TES		
Analytics Analytics Analytics Analytics Analytics Analytics Analytics Analytics Admin Admin	5 Clients Sr N/ 1 2 3 4 5 6 7	; DH	ICP Lease Neighbo	:99 Ports Ports Command Reboot Firmware up Vifi-Scan Vifi-Scan U U U U U U U U U U U U U U U U U U U	ue Interface Con	mand 5	d History	Auto	Notes	System	23 - tion - Z - Z - Z - Z - Z - Z - Z - Z - Z - Z - Z - Z - Z - Z - Z - Z - Z - Z -		T2NOV ~	
Analytics NETWORKS Analytics	5 Clients Sr N 1 2 3 4 5 6 7 8	· DH	ICP Lease Neighbo	299 Ports Ports Command Reboot Firmware up Wifi-Scan U U U U U U U U U U U U U U U U U U U	ue Interface Ograde	mand 5	d History	Auto	Notes	System	Image: Second	* 💄 TES		
Monetization Control C	5 Clients 5 7 8 9	• DH	ICP Lease Neighbo	esestimations of the section of the	ve	mand 5	d History	Auto	Notes	Systew Systew AC AC AC AC AC AC AC AC AC AC	23 - 2 -		T2NOV ~	

Reboot	Reboot a device
Firmware upgrade	Upgrade a device
Wifi-Scan	Launch a wifi scan for a device
Connect	Get the rtty parameter to initiate a session with AP
Blink	Blink the LEDs on a device
Trace	Launch a trace for a device
Factory Reset	Factory reset a device
Configure	Configure a device by passing a raw json config profile
Telemetry	Request a telemetry stream either on screen using websocket or to backend over kafka



4. User Authentication

This section includes various methods to authenticate a user. Following are the different methods by which you can authenticate a user:

1. Captive Portal with Username and Password

Following steps show the process of setting up a captive portal with username and password:

		🥵 🏘 🤱 Ucentral-Demo 🛩
	≡	♣ Home > List Portals > Edit Portal
	🇌 Dashboard	List Portals Edit Portal 3 rtal List Templates
	🥰 Networks 🛛 🖌	Edit Portal
1	🚠 Authentication 🛛 🗸	
	Login Policies	Edit Portal Information - Ajay_Venue_12-Ajay_Auth Group
	Users	General Login Methods L 4 feel Miscellaneous Monetize
	Autologin	≡ Login Methods ✓
2	Captive Portals	
	External Services <	Portal lype* Pala + Oserrvame and password
	🛈 Billing <	PMWANI
	🛈 Analytics <	
	Monetization <	D PMWANI WEB
	Reporting <	





2. Captive Portal with Voucher

		🌇 🤺 🔒 Ucentral-Demo 🗸
External Services <		
Billing <	PMWANI	
Analytics <		
Monetization <	PMWANI WEB	
III Reporting K		
🐣 Reseller Management <	Voucher	
🔺 Admin <	Title*	
	Instructions* Step 1: Enter the voucher code Step 2: If asked, enter your personal information Step 3: Enjoy Wi-Fi service	
	User Info First Name Age Email Landline No	
	Gender Terms & Conditions	

3. Captive Portal with LDAP/AD

		🍪 🦂 💄 Ucentral-Demo 🗸
A Reseller Management K	Voucher	
Admin K	Voucher With Otp	
	✓ LDAP Title*	
	Instructions* Step 1: Click on Enter Details I Enter your personal informatio free Wi-Fi	putton Step 2: on Step 3: Enjoy
	Select Policy Select Policy Terms & Conditions	~
	Complimentary Free Access [Clickthrough]	



4. Captive Portal with SMS/Email OTP

			2 3 4	🔒 Ucentral-Demo 🗸
SMS/Email OTP				
Title*	SMS OTP Login			
Instructions*	Step 1: Enter your mobile will receive code on your the code and Login	e number Step 2: You mobile Step 3: Enter Step 4: Enjoy Wi-Fi service		
Select Policy*	asd-Ajay_Auth Group	~		
User Info*	 ✓ First Name Last Name Email 	City State Zip Code	Age Birth Date Landline No	
	Contact Number	Country Gender		
Terms & Conditions				/
Social Media				

5. Captive Portal with Approval Verification

✓ OTP/Approval Verification Title * Instructions* Step 1: Enter your mobile number Step 2: You will receive code on your mobile Step 3: Enter the code and Login Select Policy* Select Policy User Info* First Name City Age Birth Date	st 🗸	lndioLabTe	aa 🔺 💁						
✓ OTP/Approval Verification Title* Instructions* Step 1: Enter your mobile number < br> Step 2: You will receive code on your mobile Step 3: Enter the code and Login Step 4: Enjoy Wi-Fi service User Info*									
Title* Instructions* Step 1: Enter your mobile number >Step 2: You will receive code on your mobile >Step 3: Enter the code and Login br>>Step 4: Enjoy Wi-Fi service Select Policy* Select Policy User Info* Last Name State						n	✓ OTP/Approval Verification	, i i i i i i i i i i i i i i i i i i i	
Instructions* Step 1: Enter your mobile number Step 2: You will receive code on your mobile Step 3: Enter the code and Login Step 4: Enjoy Wi-Fi service Select Policy* Select Policy User Info* First Name City Age Last Name State Birth Date							Title*		
Select Policy Select Policy User Info* First Name City Age Last Name State Bitth Date				/ou hter vice	nber Step 2: You bile Step 3: Enter 4: Enjoy Wi-Fi service	Step 1: Enter your mobile will receive code on your the code and Login 	Instructions*		
User Info* First Name City Age					~	Select Policy	Select Policy*		
			ge irth Date	□ A □ B	City State	First Name	User Info*		
Email Zip Code Occuption			ccuption		Zip Code	Email			
Contact Number Country Address Gender					Country Gender	Contact Number			
Enable Approval						✓	Enable Approval		
Signature* << <approval_signature>>></approval_signature>				11	-	<< <approval_signature></approval_signature>	Signature*		
Terms & Conditions							Terms & Conditions		



6. Captive Portal with Social Media

		🦚 🌴 📙 Ucentral-Demo 🗸
✓ Social Media Titie*		
Instructions* Select Policy*	Step 1: Select social media option chr>Step 2: Enter social media login credentials chr>Step 3: Confirm permissions chr>Step 4: Enjoy Wi-Fi service	
Social Media Type * Terms & Conditions	Facebook LinkedIn Twitter Google Instagram	
+ Submit		

Captive portal templates

							& } 4	Lucentral-Demo	-		
		🖀 Ho	ome > Authentication > Captive Portals > List Por	rtals							
	🍎 Dashboard	List P	ortals Create Portal List Templates								
	🍀 Networks 🛛 <	B Lis	st Portals								
1)	📥 Authentication 🛛 🗸 🗸										
		Ne	etworks	Template Name							
	Login Policies	s	select Some Options	Select Some Options		Search ⊖	🚣 Export		3)	
	Users									Preview	Delete
	Autologin	#	Portal URL		Gateway 🔶	Network 👙	Created Date	Operations		1 I	
2	Captive Portals	1	https://uwios-dev-portal.indionetworks.com/portal/def 산 대	ault/index.php?n=wios&c=17&l=170	TIP OpenWiFi AP 2.0	Ajay_Venue_12- Ajay_Auth Group	01/11/2022 11:16:41	• 7 =		1	Ļ
_	External Services 🗸		https://uwios-dev-portal.indionetworks.com/portal/def	ault/index.php?n=wios&c=17&l=286	TIP OpenWiFi AP 2.0	QA_venue1-QA- auth1	27/06/2022 13:09:51	• 2 8		 Image: Constraint of the second second	Û
	O Billing <	3	https://uwios-dev-portal.indionetworks.com/portal/def	ault/index.php?n=wios&c=17&l=283	TIP OpenWiFi	QA_venue-QA-auth	22/06/2022				
	🔨 Analytics <		4 C		AP 2.0		14:42:56				
	Monetization <	4	https://uwios-dev-portal.indionetworks.com/portal/def	ault/index.php?n=wios&c=17&l=240	TIP OpenWiFi AP 2.0	802.1x_Rajendra- 1xTest_Rajendra	09/06/2022 15:34:13	 Image: Image: Ima		Edit	
	📶 Reporting 🗸	5	https://uwios-dev-portal.indionetworks.com/portal/def	ault/index.php?n=wios&c=17&l=199	TIP OpenWiFi	Ax Demo Venue-	07/01/2022				



General settings

		4	i 🐣 🤱 Ucentral-Demo 🗸
Users	General Login Methods	Look and feel Miscellaneous Monetize	
Autologin	≡ General		~
Captive Portals			
External Services <		☑ Allow Template To Change Portal Configurations	
💿 Billing <	Catavara	TP 0	
Analytics <	Gateway	Note: Portal gateway should be the same as network gateway(Device type).	
Monetization <			
III Reporting <	Language*	English 🗸	
🐣 Reseller Management <	Language Options	English French	
📥 Admin 🛛 🔇		Swahili Spanish Portuguese	

Login Methods

		🏤 👫 🤱 Ucentral-Demo 🗸
🐝 Networks 🛛 🔍	Edit Portal	
📥 Authentication 🛛 🗸 🗸		
Login Policies	Edit Portal Information - Ajay_Venue_12-Ajay_Auth Group	
Users	General Login Methods Look and feel Miscellaneous Monetize	
Autologin	■ Login Methods	~
Captive Portals	Portal Type Paid + UserName and password	
External Services <		
🚺 Billing <	D PMWANI	
Analytics <		
Monetization <	D PMWANI WEB	
III Reporting <		
📥 Reseller Management <	Voucher	
📥 Admin 🛛 <		



Look and feel

			🦚 🦂 📙 Ucentral-Demo 🗸
Users	General Login Methods	Look and feel Miscellaneous Monetize	
Autologin	■ Look and feel		~
Captive Portals	1 1		
External Services 🗸	Logo image -	Networks	
🛈 Billing <		Change	
🗿 Analytics <		NOTE: Max Size: 100 KB. Allowed Extensions: gif, jpg, jpeg, pjpeg, png, x-png. Better logo resolution: 330 X 150.	
Monetization <	Link on Logo Click	http://www.wifi-soft.com	
Reporting <		e.g: http://www.demo.com or http://demo.com	
💄 Reseller Management 🛛 <			
Admin (Location Name	Ajay_Venue_12-Ajay_Auth Group	
Aamin K	Portal frame	Select color	
	Portal Easts color	Select color	

Miscellaneous

		🔗 😚 👤 Ucentral-Demo 🗸
NETWORKS		
Authentication	Edit Portal	
Login Policies	Edit Portal Inform	ation - Ajay_Venue_12-Ajay_Auth Group
Users	General Login Methods	Look and feel Miscellaneous Monetize
Autologin	■ Miscellaneous	×
Captive Portals	Torms & Conditions	Zns Zetrang Tarms and Conditions of Liss Zetrangs Zns Bu
External Services <	Ternis & Conditions	cessing and using Internet Services, you agree that you have read, understand, and accept the Terms and Conditions below for all use I found on at present to this matic in the
🖸 Billing <		recommended that you do not use this service. 1. Internet
🖸 Analytics <		
Monetization <	Footer	Internet Provided by Wifi- Soft
Reporting <		
🐣 Reseller Management <		
📥 Admin <	Support Number	Show Support Number



		<u>aa</u> 🐴	🔒 Ucentral-Demo 🗸
	e.g: http://www.demo.com or http://demo.com		
SelfCar	Login 🗌 Enable Self Care Login		
Restrict user	to this		
Enable End Use	Ticket		
Captive Portal	ypass		
	+ Submit		

Monetize





User Policies



NETWORKS				4 2	🐣 🤱 Ucentral-Demo 🗸
🖶 Dashboard	List Policies Edit Policy	New Policy			
🥰 Networks 🛛 🔇	Edit Policy				
📥 Authentication 🛛 🗸 🗸	Any change in this policy wi	Il affact 1 user's restriction			
Login Policies	, in , analog in and point, in				
Users	Edit Login Policy				
Autologin	Policy Name*	Sanity_QA			
Captive Portals	Concurrency Limit				
External Services <	Max Devices Limit				
Billing Analytics	Daily Session Count				
Monetization <	Session Timeout		Minutes 🗸		
Reporting <	Idle Timeout		Minutes 🗸		
🐣 Reseller Management <	Dally Time Ouota		Minutos		



						61 0	* /	Ucentral-Demo	~
📥 Reseller Management 🛛 <	Daily Time Quota		Minutes	~					
📥 Admin 🛛 <	Total Time Quota		Minutes	~					
	Daily Bandwidth Quota		MB	~					
	Total Bandwidth Quota		MB	~					
	Download Rate		Mbps	~					
	Upload Rate		Mbps	*					
	Validity Interval		Days	*					
	Auto Renewal	* Note : Valid only for free user's valid	ity interval						
	Is Default	this policy is alredy select as default p	olicy, if you want to ch	nge then select che	ckbox.				
	Filter ID	* Note : Valid only for vendors like (Meraki e	etc.)						

		🆚 🤺 💄 Ucentral-Demo 🗸
🖶 Dashboard	List Policies New Policy	
🥰 Networks 🛛 🖌	New Policy	
📥 Authentication 🔷 🗸		
Login Policies	Add New Login Policy	
Users	Policy Name*	
Autologin	Concurrency Limit	
Captive Portals	Max Devices Limit	
External Services <		
Ø Billing <	Daily Session Count	
O Analytics <	Session Timeout Minutes 🗸	
Monetization <	Idle Timeout	
Reporting <	Daily Time Quota Minutes 🗸	
🔒 Reseller Management 🛛 <		

		🍘 💣 🔒 Ucentral-Demo 🗸
Reseller Management < Total Time Quota	Minutes 👻	
Admin C Daily Bandwidth Quota	MB Y	
Total Bandwidth Quota	MB 🗸	
Download Rate	Mbps 🗸	
Upload Rate	Mbps 🗸	
Validity Interval	Days 🗸	
Auto Renewa	* Note : Valid only for free user's validity interval	
ls Default	this policy is alredy select as default policy, if you want to change then select checkbox.	
Filter ID		
	* Note : Valid only for vendors like (Merakî etc.)	
	+ Submit	



5. External Gateway Configuration

The Gateway Configuration options allow you to change the settings of the gateway, which Indio Cloud installs and configures by default.

SMS Gateway Configuration

What is SMS Gateway?

SMS Gateway is convenient when you want to send SMS but not from your phone. Short Message Service (SMS) gateway is a mechanism by which SMS messages are sent and received. SMS gateways facilitate and streamline text messaging processes for organizations, and will often do some of the conversion to different formats.

SMS Gateway in Indio Cloud:

The SMS Gateway feature in **Indio Cloud** facilitates user's mobile number verification with the use of OTP (One Time Password) mechanism. When the user enters their mobile number on the captive portal, they receive an SMS OTP which is used to verify their number.

The various uses of configuring SMS gateway are (following are the templates):

- 1. User Registration Success
- 2. User Payment Success
- 3. User Forgot Password
- 4. User FUP Alert
- 5. Login Assist
- 6. Voucher Alert
- 7. Subscriber Request
- 8. Forgot Password
- 9. Resend Email Template
- 10. Verification Link Retailer
- 11. New Distributor Account
- 12. New Retailer Account
- 13. Verification Link Distributor
- 14. New Distributor
- 15. New Retailer
- 16. Resend OTP
- 17. New Retailer Account Through Distributor
- 18. New Sub Retailer



		🏨 🌴 🔒 Ucentral-Demo 🗸
	Billing <	SMS Gateway Information
	(1) Analytics	SMS Gateway* SMS GatewayHub Version 1 🔹
	Monetization <	API Username* wifisoftservice
	Reporting <	API Password* w1f1s0ft@indio
1)	Reseller Management < Admin	API ID• WIFISS
	Accounts	SMS Attempts 2
	Payment Gateway	SMS Template* Verification code : << <verification code="">>> . Some hint here</verification>
2	SMS Gateway	WIFISOFT SERVICES
	Templates	Test SMS Gateway Default Template Restore Template Get Balance
	PDOA	
	Smtp Configuration	
	s	MS Template* Verification Code = << <verification code="">>></verification>
		Test SMS Gateway Default Template Restore Template Get Balance
	Ć	SMS Template* Verification code : << <verification code="">>></verification>
		WIFISOFT SERVICES
		Test SMS Gateway Default Template Get Balance



Payment Gateway Configuration

What is Payment Gateway?

A payment gateway is a transaction medium between a merchant and a consumer. This technology is the simplest way to collect payments digitally. There are four parties that involve the payment gateway process: the customer, the merchant, the issuing bank, and the receiving payment or acquiring bank.

Payment Gateway in Indio Cloud:

When the provider configures a paid captive portal as a login method, the payment gateway helps in processing the payments that are received from the end user.

The various payment gateways that are integrated in **Indio Cloud** are as follows:

P.S- Payment Gateways can be customized as per requirement.

- 1. 2Checkout
- 2. Authorize.Net
- 3. BillDesk
- 4. Enkap
- 5. Flutterwave_Rave
- 6. Monetbil
- 7. PayPal.Std
- 8. Paytm
- 9. PayUMoney
- 10. Razorpay
- 11. Stripe

SMS Gatewa

														A	🔒 Ucentral-Demo 🗸		
	# Dashboard		List Pa	yment Gateway												-	
	🕰 Networks	<	🎄 Pay	/ment Gateway Lis	t												
	Authentication	<											ç	Search	:		
	Ø Billing	<	#	Name	Type	¢	Config	þ	Gateway Type	þ	Currency Code	¢	Status	•	Operations	Edit	[
	Analytics	<	1	Ucentral-Demo	Customer		Not Configured				-		-				
	Monetization	<	20	▼ records pe	er page												
	III Reporting	<	Showin	g 1 to 1 of 1 entries										← Prev	vious 1 Next→		● ●
	👃 Reseller Management	<															- L
5	📥 Admin	~ <															View
	Accounts																VIEW
2)	Payment Gateway																



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≣	=	♣ Home > Configure Paym	ent Gateway			
🖀 Dashboard		Configure Payment Gateway				
🦚 Networks	<	🎂 Configure payment g	gateway		Colort Turn	
📥 Authentication	<	Type	Select Type	×	Select Type	-
Billing	<				2Checkout	
O Analytics	<	User Name			Authorize.Net	
Monetization	<	Password			BillDesk Enkap	
Reporting	<				Flutterwave_Rave	
A Reseller Management	<				Monetbil	
	_				PayPal.Std	
📥 Admin					Payl Money	
Accounts					Razorpay	
					Stripe	

6. Heatmap

A Wi-Fi heatmap is a visual representation of the wireless signal coverage and strength. It is an L2 topology diagram where you can add access points and optionally the controller to which the access points are associated with. The heatmaps help you visualize wireless signal coverage on a building floor plan.

			<u> 2</u> 3 4	Y Lcentral-Demo 🗸	Floormap
≡	♣ Home > NMS > Heatmap				Configuration
🇌 Dashboard	🥰 Heatmap				
📽 Networks 🗸 🗸	Network	Floormap	Heatmap View		
Monitor	Select Network	~	Select	~	▲ 🔳
Profiles <					1
Firmware					
Heatmap					_
Scan					Manage Floormap
📥 Authentication 🛛 <					
🗿 Billing 🛛 <					
Analytics <					
Monetization <					
Reporting <					
Possilor /					





			🍪 🧍 💄 test2nov ~
	脅 Home > NMS > Heatmap		
👫 Dashboard	🐗 Heatmap		👗 🔳
📽 Networks 🗸 🗸	Network	Floormap	Heatmap View
Monitor	connectivity_venue 🗸		Connectivity Tip2 Select
Profiles <			Coverage Connectivity
Firmware			Connectivity Tip2
		Select	t the heatman
Scan		view.	
ZTP			
📥 Authentication 🛛 <			
Billing <			
Analytics			
Monetization <			
Deporting (







7.802.1x Authentication

802.1x is a network authentication protocol that opens ports for network access when an organization authenticates a user's identity and authorizes them for access to the network. It allows you to create and enforce policies that can restrict access according to an individual's role or their permissions.

			æ 4	TEST2NOV ~	
🗮 Dashboard	♣ He 802.:	ome > NMS > 1x Certificate	Profiles > 802.1x Certificate		1
📽 Networks 🗸 🗸	8	02.1x Certifi	cate	(+	Add
Monitor				C	
	Show	10 Y entr	ies Search:		
802.1x	#	Name	Description	Operations	View
MAC Logins	1	310AX_certi	Certificate: organizationName = "Facebook, Inc." organizationalUnitName = "express wifi" commonName = "CLIENT_isocel-bj" countryName "AU" stateOrProvinceName = "Some-State" Issued By: organizationName = "isocel-bj" organizationalUnitName = "isocel-bj" validity: From 2021-07-09 09:08:10 to 2051-07-09 10:08:10	•	
LDAP RADIUS	Showin	ng 1 to 1 of 1 entri	es Pre	ious 1 Next	 1
Passpoint					1
Device					I
BYOD					Dele
Firmware					



The 802.1x authentication should be attached to the specific device profile. It is essential to upload the certificates related to 802.1x.

	as 🗥 🧏 test2nov 🗸
=	# Home > NMS > Profiles > 802.1x Certificate > New 802.1x Certificate
📫 Dashboard	802.1x Certificate New 802.1x Certificate
📽 Networks 🗸 🗸	New 802.1x Certificate
Monitor	
Profiles 🗸 🗸	802.1x Certificate
802.1x	Name*
MAC Logins	CA Certificate* Choose File No file chosen
LDAP	
RADIUS	802.1x Certificate* Choose File No lie Chosen
Passpoint	802.1x Key* Choose File No file chosen
Device	+ Submit
BYOD	
Firmware	
l la star sa	

8. BYOD (Bring Your Own Device)

What is BYOD?

Bring your own device (BYOD) refers to the trend of employees using personal devices to connect to their organizational networks and access work-related systems and potentially sensitive or confidential data.

BYOD in Indio Cloud:

Any user who wants to access the network with their personal devices can be authorized using the BYOD policy.

1	Contrat Demo > Contrat									
	802.1×	# MAC Address v Vendor Owner Name 0 User Name 0 Unique PSK 0 Status	Operations \$\$							
	MAC Logins	No data available in table								
	LDAP	Showing 0 to 0 of 0 entries	First Previous Next Last	4						
	RADIUS									
	Passpoint			Configurations						
	Device									
3	BYOD									
	Firmware									
	Heatmap									
	Scan									
	Authentication <									
	🔞 Billing 🗸 <									
	🛈 Analytics <									



# Home > NMS > Profiles > BYOD					
	Add BYOD		×		
BYOD ACL Unique PSK Profiles	MAC Address		^ ^		
List BYOD		(Mac Address Format: 70:6D:EC:03:06:2B)			
Show 20 V entries	Owner Name*	Owner Name			
# MAC Address v Ve	User Name	User Name			
Showing 0 to 0 of 0 entries	Device Type	Select Device Type			
	Enable Unique PSK				
	Unique PSK*				
	Description	Description			
			Cancel Save		

9. Content Filtering

What is Content Filtering?

Content filtering is the use of a program to screen and/or exclude access to web pages or email deemed objectionable. Content filtering works by specifying content patterns — such as text strings or objects within images, that, if matched, indicate undesirable content that is to be screened out. A content filter will then block access to this content.

Content Filtering in Indio Cloud:

Content filtering in **Indio Cloud** enables you to block domains, content by different categories or keywords.

								🍪 🤺 💄 test2nov 🗸
	=	# Home > De	vice Template					
	🗬 Dashboard	Device Template						
1	0° Networks 🗸 🗸	🔲 Device Te		+				
	Monitor	Show 50		Search:				
2	Profiles 🗸 🗸	Sr No.	Template Name	AP Count	Upstream Port Count	Downstream Port Count	Bands	Operations
-	802.1x	1	DGDefaultV1	1	1	1	2G,5G	8 9 6 0
	MAC Logins	2	test	0	1	1	2G,5G	0 0 2
	LDAP	з	Test_Aditya	0	1	1	2G,5G,6G	0 0 2 8
	RADIUS	4	325AC_jan13	0	1	1	2G,5G,6G	0 0 2
	Passpoint	5	325_speedtest	0	1	1	2G,5G,6G	C Q 2 B
2	Device	6	test 4JAN	0	1	1	2G,5G,6G	C • C 8
3	0,000	7	DGDefault	0	1	1	2G,5G,6G	0 0 0
	BIOD	8	DGGGN	0	1	1	2G,5G,6G	C 0 C 8
	Firmware	9	TestAditya29Dec	1	1	1	2G,5G,6G	0 0 8
	Heatmap	10	TestAditya27Dec	0	1	1	2G,5G,6G	C Q C 8
	Scan	11	roam test 27 DEC	0	1	1	2G,5G,6G	0 0 0 8
	ZTP	12	p_2ódec	0	1	1	2G,5G,6G	0 0 0
	📥 Authentication 🛛 <	13	DTemplate-09	0	1	1	2G,5G,6G	0 0 8
	Billing	14	Meshing Check	0	1	1	2G,5G,6G	0 0 2 8
		15	content_filter_test	0	1	1	2G,5G,6G	0 0 8



							80 1 4	👤 test2nov V	Active CF profile	Search
	∉ Home > NMS > Profil	les > Device Profiles > C	F						· · ·	
# Dashboard	Device Template CF								*	*
os Networks 🗸 🗸	CF Profiles	* + Q	÷ +							
Monitor	20 🗸 records per pa	age						ن	1	
Profiles V	#	CF Profile Name	Whitelist Domain	Blacklist Domain	Block Category Count	Active Network Count	Description	Operations		
002.0	1	AdityaTest	Yes	Yes	0	1	jgugb	2 8	New	CF
MAC Logins	2	CF TEST	Yes	Yes	2	2	Cg Test	2 8	Profi	ile
LDAP	3	test20DEC	No	No	4	-	content_filter_test	17 8		
RADIUS	4	TEST7dec	Yes	Yes	1	1	test7dec	28		
Passpoint	Showing 1 to 1 of 1 entries (fi	iltered from 4 total entries)					+- Prev	lous 1 Next→		
Device										
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A Dashboard	Device Template CF	Edit CF				
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802.1×	Name*	AdityaTest				
MAC Logins	Description *	iquab				
LDAP		/5-5-	le le			
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Device	Whitelist Domain	google.com x e.g. google.co		Blacklist Domain	wahtapp.com x e.g. whatsapp	
BYOD						
Firmware						
Heatmap	Exception	Block Except Whitelist Domain				
Scan	Catagony					
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📥 Authentication 🛛 <	Select All					
🗿 Billing <	Block Category	Abortion	Ads	Adult		Aggressive
Anelytics		Alcohol	Anonypn	Antispywa	are	Arjel
		Audio Video	Automobile Bikes	Astrology Automobi	le Boats	Automobile Cars
III Monetization K						

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Authentication	<	Select All				
		Block Category	Abortion	Ads	Adult	Aggressive
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Analytics	<		Artnudes	Associations Religieuses	Astrology	Audiovideo
			Audio Video	Automobile Bikes	Automobile Boats	Automobile Cars
Monetization	<		Automobile Planes	Bank	Banking	Beerliquorinfo
III Reporting	<		Beerliquorsale	Bitcoin	Blog	Books
			Catalogue Biu Toulouse	Celebrity	Cellphones	Chat
Reseller	<		Child	Childcare	Cleaning	Clothing
📥 Admin	<		Contraception	Cooking	Cryptojacking	Culinary
			Dare	Dating	Ddos	Desktopsillies
			Dialer	Dialers	Doh	Download
			Drugs	Dynamic	Ecommerce	Educational Games
			Education Schools	Entertainment	Filehosting	Filesharing
			Finance	Finance Banking	Finance Insurance	Finance Moneylending
			Finance Other	Finance Realestate	Finance Trading	Financial
			Fortunetelling	Forum	Frencheducation	Gamble
			Gambling	Games	Gardening	Good
			Government	Guns	Hacking	Hobby Cooking
			 Hobby Games Misc 	Hobby Games Online	Hobby Gardening	Hobby Pets
			Homerepair	Homestyle	Hospitals	Humor
			Hunting	Hygiene	Imagehosting	Indisponible
			Instantmessaging	Isp	Jewelry	Jobsearch
			Kidstimewasting	Library	Lingerie	Liste Blanche
			Local	Magazines	Mail	Malware
			Manga	Marketingware	Medical	Military
			□ Mived ∆dult	Mohile Phone	Models	Movies



10. WIPS

A **Wireless Intrusion Prevention system (WIPS)** operates at the Layer 2 (data link layer) level of the Open Systems Interconnection model. WIPS can detect the presence of rogue or misconfigured devices and can prevent them from operating on wireless enterprise networks by scanning the network's RFs for denial of service and other forms of attack.

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Heatmap Enable Coverage Hole Scan Enable Coverage Hole ZTP Image: Coverage Hole Authentication RF Visibility Threshold Billing Enable WIPS Analytics Enable Rogue Ap Monetization Enable Honeypot/Evil Reseller Enable Honeypot/Evil Admin Enable Misconfigured AP Detection Enable Misconfigured AP Detection Enable Misconfigured AP									<u> </u>	ń	
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1. Rogue AP Detection: It helps you to identify an access point which is set to a similar frequency (and channel) as your access point. Once you are notified about the issue, you can then adjust the frequency to a different channel to avoid the conflict.

2. Honeypot/Evil Twin Detection: If an access point is having similar SSID to an existing one, this feature helps in detecting the issue.

3. Misconfigured AP Detection: If an access point fails to apply the configuration, this feature notifies you about it.



11. SysLog

Indio Cloud is responsible for storing the system and user logs in a central repository. The **Indio Cloud** system is integrated with the storage server which will be responsible for storing and archiving user logs, system logs, AP monitoring status, user browsing logs and session statistics. All logs are properly archived and stored for record keeping on the servers. Administrator can easily access the logs when required and provide the information to law enforcement agencies.

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12. Events

Indio Cloud provides extensive logs of all the events that take place in your network.

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		25/01/2023 12:46:03	AP116	DeveloperTestAditya	DGGGN: 70:6D:EC:0A:87:ED status Down.	
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		25/01/2023 12:04:05	AP116	DeveloperTestAditya	DGGGN: 70:6D:EC:0A:87:ED status Down.	
		25/01/2023 11:34:04	AP116	DeveloperTestAditya	DGGGN: 70:6D:EC:0A:87:ED status Down.	
		25/01/2023 11:28:04	AP116	DeveloperTestAditya	DGGGN : 70:6D:EC:0A:87:ED status Down.	
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13. External User Import

In order to import external users that have not signed up using captive portal sign-up methods, this feature is convenient to use.

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14. Voucher

Users can connect to the internet using vouchers which are created from this section. There are two types of vouchers that can be created, numeric and alphanumeric. Each voucher batch is attached with a login policy (usage quota) which gets applied to the voucher user for browsing the internet

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With over two decades of experience, we have worked closely in the wireless space essentially serving over 25+ million users till date. At Indio, we have seen disruptions in the tech sphere and worked alongside them. We solve problems where we see them, we evolve, innovate and adapt. That's why, we constantly craft newer products and solutions to make your life easier. 'Simplifying connectivity' is a principle we hold dear, and we plan on bringing it to everyone, everywhere. With a strong presence in over three important geographies, being Asia, the Middle East and America, we are always available for quick and responsive customer support.

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