



VDS Quick Guide

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ABLOOMY Technologies, Inc.







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1. VDS configuration

1.1. Bind admin account of VDS and CAM/CSP

Login CAM/CSP by **admin** account, Enter WiFi -System - Open API and click add to create a new Open API for bind VDS.

Default admin account username: admin ; password: admin.01

Note: one VDS can only bind to one CAM or CSP. CSP and VDS can create sub-account which can correspond to each other. (each CSP sub-account must have a VSM when work with VDS).

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•Russia	Platform Login	• Canada
	admin 🔮	
	0426	
	Login	
27-	*/MOUIdiid	

© 2018 Abloomy All Rights Reserved Your browser needs to support receiving Cookie logins

			Welcome, admin SuperAdmin 🗸 🔤 English 🛇 Refresh 🔤 🕃
VPN			Add 🏹 Search 🗸
Firewall	Name	ID	Operation
SNMP	hjkfjk	ep851af488t58ku7bm7n1fytlgsqg8uf	
Location			Total 1 Records < 1 > 10 / page ▼ Goto
Policy			
🐳 System 🔺			
Administrators			
Open API			
Operation log			



Login VDS by **admin** account, Enter Global Setting – System - Platform Config and click Create New to bind CAM/CSP.

Default IP: https://192.168.100.167

Default admin account username: admin ; password: admin.01.

Fill the CAM/CSP IP address. The OpenId and Token are from admin account of CAM/CSP which we create previous.

Virtual Data Server			🖶 English
	Login		
	R admin	Big Data Specialist	
		Real-time flow monitoring Big data analysis History route play back Advertising flow statistics	
-	Login		



https://42.62.11.44/Nav/Account



Malcomo	P Home / Platform Config / Edit		8 admin ∨ ⊕ English 🕐
admin			ち Back
Ø System ^	-		
Basic Settings	modifying the platform IP may result in a fail first!	ure to synchronize CSP/ACS platform configuration data, or if data display is out of order, it is recommended t	o restore factory settings
Platform Config		CAM/CSP IP	
Backup & Recovery	* IP Address :	192.168.60.48	
Upgrade Version	* OpenId :	ep851af488t58ku7bm7n1fytlgsqg8uf from CAM/CSP admin account	
Send Config	* Token:	ved2sdlmbe0iwodevyounuudolgaskaf from CAM/CSP admin account	
🖹 Policy Config			
Report Policy	Advertising Cloud Account:	Please input Advertising Cloud Account!	
Client Policy		🖻 Submit	
Filter Config			
System Info			
🔏 Account Config 🛛 ^			
Account			

Enter Global Setting - System - Basic Settings

Set basic system parameter as follow:

Melcome	P Home / Basic Settings	8 admin ∨ ⊕ English ()
admin		
🖗 Surton	Version 3.3.0(r359.992.15	7.306.220.222)
tor system	Native MAC 0C:C4:7A:C9:68:FE	Production License Usage)
Basic Settings		
Platform Config	Device Validity 2037-11-30	
Backup & Recovery	Client logs Valid: 20	3-10-27
Upgrade Version	Ad logs 🗸 Valid: 201	3-10-19
Send Config	location Valid: 20 engine	3-10-01
Policy Config	probe log 🗸 Valid: 20	3-10-02
Report Policy		
Client Policy	Upload license	Please click or drag file to this area
Filter Config		
System Info	E) Submit	
🔏 Account Config 🛛 ^		
Account	Scene setting Shopping mal 	O Park
	🔁 Submit]

Note:

- > You can also upload license in this page.
- For work with CSP, the CSP and VDS can create sub-account which can correspond to each other. (each CSP sub-account must have a VSM when you use in this scene). The sub-account binding is the same to admin account binding.

1.2. Create a sub-account

If you bind VDS with CSP. You can create sub-account in VDS and bind to CSP sub-account (each CSP sub-account must have a VSM when you use in this scene).

	D Home / Account C	onfia						8 admin ∨
welcome, admin	Create New	∑ Search ∨						
🔞 System 🔨	Credite New	1 Search +						
Basic Settings								
Platform Config	Name Fu	ullName	Role	HASH	LastIP	LastTime	Valid Enable	Operation
Backup & Recoverv	admin su	peradmin	administrator	gTrUYb88	192.168.60.1	2018-11-05 14:38:47	-	2
Upgrade Version	jefftest je	fftest	users	O5g7f7nq	-	-	-	
Send Config								
Policy Config						Total 1 Pag	ges 2 Records < 🚺 >	10 / page v Goto
Report Policy								
Client Policy								
Filter Config								
System Info								
🔏 Account Config 🛛 ^								
Account								
	D Hama / Assaurt C	anfin / Add						Radmin V Realiab
Welcome, admin	P Home / Account ct	oning / Add						
.								f Back
Basis Settings			t Palas Lucar					
Basic Settings			* Role: Users				Ŷ	
Platform Config			* Name 🕜 : 🛛 jefftes	t				
Backup & Recovery		Fu	IIName 😮 : jefftes	ŧ				
Palicy Config			Valid 🥑: Selec	t date				
Report Policy		* Pa	assword 🕜:					
Client Policy		* Confirm pa	assword 🔞 :	4				
Filter Config								
System Info			Enable:)				
Account Config			Add	Reset				
Account								

Then you can login by sub-account and do the binding to CSP sub-account.

Create a sub-account in CSP.

			Welcome, admin 🛛 SuperAdmin 🗸	🔤 English 🔌 Refresh 🔤 🕞
Network	Administrators			Add 🛛 🏹 Search 🗸
NAC	Name	Full Name	Locked	Operation
VPN	admin		Unlock	2
Firewall	jeff123	-	Unlock	
SNMP	jefftest	jefftest	Unlock	2
Location			Total 3 Record	s < 1 > 10 / page ▼ Goto
Location				
Policy				
🌞 System 🔺				
Administrators				
Open API				
Operation log				
Firmware				
	-			
Network	Administrators		Welcome, admin SuperAdmin V	English 🗣 Refresh 🔤 🕼
	Administrators			Dack
NAC	Name 🤭	jefftest		
VPN	Password	•••••	nyan	
Firewall	Confirm Password		³ yye ²	
SNMP	Email	Enter email		
Location	Phone	Enter phone		
Policy	Locked			
🙀 System 🔺	Full Name	jefftest		
Administrators		Save Cancel		
OpenAri				
Operation log				
Firmware				
https://192.168.60.48/bos/setting	s/accesscontrol			

Login the CSP by sub-account. Enter WiFi -System - Open API and create an Open API for bind to sub-account of VDS.

			Welcome, admin	jefftest 🗸	🔤 English	S Refresh	
Network						Add	♥ Search ♥
NAC	Name	ID					Operation
VPN	AB-Office	e714cbae166853411ab656af4418b0af					
Firewall	AB-Guest	f2f05d07966635cbfbac0e8b5ebb7175					
SNMP	VDS	9wqssz1zx90osizv7gs4mtjhti20prx2					
Location				Total 3 Records	< 1 > [10 / page 🔻	Goto
Policy							
System 🔺							
Administrators							
Open API							
Operation log							
Firmware							
	1						
			Welcome, admin	jefftest 🗸	🔤 English	S Refresh	P
Network	Open API		Welcome, admin	jefftest 🗸	🔤 English	Stress Refresh	Back
Network NAC	Open API	VDS	Welcome, admin	jefftest ∨	🔤 English	S Refresh	Back
Network NAC VPN	Open API Name	VDS 9wqssz1zx90osizv7gs4mtjhti20prx2	Welcome, admin	jefftest V	🔤 English	S Refresh	Back
Network NAC VPN Firewall	Open API Name 🕘 ID 💿 Token 💿	VDS 9wqssz1zx90osizv7gs4mtjhti20prx2 ai1s9srwhzz0itx94gta4nkn6k3z83vv	Welcome, admin	jefftest V	English	C Refresh	Back
Network NAC VPN Firewall SNMP	Open API Name 🔴 ID 😐 Token 🗣	VDS 9wqssz1zx90osizv7gs4mtjhti20prx2 ai1s9srwhzz0itx94gta4nkn6k3z83vv Save Cancel	Welcome, admin	jefftest ∨	English	Refresh	Back
Network NAC VPN Firewall SNMP Location	Open API Name • ID • Token •	VDS 9wqssz1zx90osizv7gs4mtjhti20prx2 ai1s9srwhzz0itx94gta4nkn6k3z83vv Save Cancel	Welcome, admin	jefftest ∨ C	English	S Refresh	Back
Network NAC VPN Firewall SNMP Location Policy	Open API Name • ID • Token •	VDS 9wqssz1zx90osizv7gs4mtjhti20prx2 ai1s9srwhzz0itx94gta4nkn6k3z83vv Save Cancel	Welcome, admin	jefftest ∨ C C	English	Refresh	Back
Network NAC VPN Firewall SNMP Location Policy	Open API Name • ID • Token •	VDS 9wqssz1zx90osizv7gs4mtjhti20prx2 ai1s9srwhzz0itx94gta4nkn6k3z83vv Save Cancel	Welcome, admin	jefftest V	English	Refresh	Back
Network NAC VPN Firewall SNMP Location Policy	Open API Name • ID • Token •	VDS 9wqssz1zx90osizv7gs4mtjhti20prx2 ai1s9srwhzz0itx94gta4nkn6k3z83vv Save Cancel	Welcome, admin	jefftest ∨ C	English	Refresh	Back
Network NAC VPN Firewall SNMP Location Policy System Administrators	Open API Name • ID • Token •	VDS 9wqssz1zx90osizv7gs4mtjhti20prx2 ai1s9srwhzz0itx94gta4nkn6k3z83vv Save Cancel	Wekcome, admin	jefftest ∨ C	English	Refresh	Back
Network NAC VPN Firewall SNMP Location Policy System Administrators Open API	Open API Name • ID • Token •	VDS 9wqssz1zx90osizv7gs4mtjhti20prx2 ai1s9srwhzz0itx94gta4nkn6k3z83vv Save Cancel	Welcome, admin	jefftest V	English	Refresh	Back
Natwork NAC VPN Firewall SNMP Location Policy System Administrators Open API Operation log	Open API Name • ID • Token •	VDS 9wqssz1zx90osizv7gs4mtjhti20prx2 ai1s9srwhzz0itx94gta4nkn6k3z83vv Save Cancel	Welcome, admin	jefftest V	English	Refresh	Back

Login the VDS by sub-account. Enter Global Setting – System - Platform Config and click Create New to bind CSP sub-account

.

Welcome.	P Home / Platform Config			8 jefftest	v Benglish
jefftest	Create New Configuration Synchronization				
🙆 System 🔷 🔨					
Platform Config	VDS Cloud Account IP	Openid	Token	Advertising Cloud Account	Operation
Send Config				······································	
Policy Config	jefftest 192.168.60.48	9wqssz1zx90osizv7gs4mtjhti20prx2	ai1s9srwhzz0itx94gta4nkn6k3z83vv		
Report Policy			Total 1 Pac	rer 1 Berords	Cata
Client Policy			Total F Pag	Jes i Kecolds	
Filter Config					
System Info					
🔏 Account Config 🛛 👻					
	P Home / Platform Config / Add			8 jefftest	✓ 🕀 English 🕐
Welcome, jefftest					
					th Back
🔞 System 🔷 🔨					
Platform Config	IP Address:	192.168.60.48	from CSP sub-account		
Send Config	* Openid:	9wqssz1zx90osizv7qs4mtjhti20prx2			
Policy Config			from CSP sub-ac	count	
Report Policy	* Token:	ai1s9srvhzz0itx94gta4nkn6k3z83vv			
Client Policy	Advertising Cloud Account	Please input Advertising Cloud Account			
Filter Config	nare using sloud Account.	- reason apple Partoning Group Adduting			
System Info		🗈 Submit			
System mo					
🔏 Account Config 🛛 🗸					

1.3. LBS Setup

Login the VDS. Enter LBS Setup – Configuration - Picture, upload your picture and fill the name, length and Width (Unit: m).

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lish 🕐
on
ii, orro

LBS Setup - Configuration - Probe, add probe AP.

Welcome, admin	Home / Probe Create New Bat	ch Delete V Search V		(ੴ admin ∨) (⑦ English) (♡)
Picture	Name	MAC	Located Image	Operation
Probe	7516A	60:cd:a9:03:5e:46	108	
Setup	1/4032000	60-ed0-0e-00-00	109	
Map	VAP2300B	00.00.05.05	100	
Output	VAP2516A	60:cd:a9:03:1a:06	108	
	7516A2	60:cd:a9:0c:3e:40		
			Total 1 Pages 4 Records 🤍 🚺	> 10 / page > Goto

Welcome, admin	Home / Probe / Add	8 admin v English ()
Configuration ^		the Back
Picture	Manual Batch upload	
Probe	* Name : 7516A2	
Setup	* MAC : 60.CD:A9.0C:3E:40	
Map	× IP @ : 0.0.0.0	
Output	* RSSI : 0	
	E) Submit	

LBS Setup – Configuration - Setup, Click the top blank area, choose the AP and deploy on your map.



How to deploy AP for probe and data collection?

Scenario 1: Independent probe AP deployment

Access AP and probe AP staggered deployment.

As shown below, the while cycle is "Access AP" and the purple cycle is "probe AP".

We suggest the AP coverage radius is less than 15 meters.



Scenario 2: : Access + Probe AP deployment

AP do covers and probes as the same time.

In this case, we suggest the AP coverage radius is less than 8 meters.

In order to improve the location accurate, you need draw an endpoint in the corner or near the AP and connect endpoint in the map. Then the client's routine will follow your drawings.

Enter LBS Setup – Configuration – map. First deploy the endpoint, second connect endpoint.



Enter LBS Setup – Configuration – Input. Click Create New to add input policy.

Probe protocol:

1.BuiltIn: wireless device mac collection.

2.RFIDTag: RFID card mac collection.

We suggest use UDP protocol and the port range is from 10000 to 11000. (write down the port number)

	P Home / Input				8 admin ∨	() English
Welcome, admin	⊕ Create New ▼ Search ✓					
🗟 Configuration 🛛 🔿						
Picture						
Probe	Name		Port	Available		Operation
Setup	rfid		11000	×		
Мар	Client		10006	V		
Input						
Output				Total 1 Pages 2 Records < 🚺 🔿	10 / page v	Goto
Welcome,	🏳 Home / Input / Edit				8 admin∨	English ()
admin						h Back
🛃 Configuration 🛛 🔨						
Picture						
Probe		* Name 😢:	rfid			
Setup		* Port 😕:	11000			
Мар		_				
Input		* Protocal :	UDP	* 		
Output		* Probe protocal :	RfidTag	^		
		Available :	builtin			
			AeroScout HuiNa			
	> Advanced Settings		TaoDian			
			RfidTag			
O Welcome,	🏳 Home / Input / Edit				\otimes admin \vee	English ()
🥑 admin						5 Back
🛃 Configuration 🛛 🔨						
Picture	 Basic Settings 					
Probe		* Name 😗:	Client			
Setup		* Port 🙆	10006			
Мар		- For -				
Input		* Protocal :	UDP	×		
Output		* Probe protocal:	builtin	×		
		Available :	ON			
	> Advanced Settings					
		1	🗈 Submit			

Enter LBS Setup - Configuration - Output. Click Create New to add output policy.

8 admin ∨ ⊕ English () P Home / Outpu Welcom admin Create New 🔜 o Nam Operatio × ∠ 🗉 127.0.0.1 9999 Setup > 10 / page ~ Goto Total 1 Pages 1 Records 1 Map Input Output (⑧ admin ∨) (● English () P Home / Output / Edit Welcom admin 🔁 Config * Name 😗 : 1 Defau1t * IP: 127.0.0.1 Setup Suggest * Port (2): 9999 Map Default * Protocal : UDP Output Available: ON 🗈 Submit

IP must be 127.0.0.1. Port suggest 9999. Protocol suggest UDP.

1.4. Dimension Configuration

Enter Visitors Data - System - Dimension. Choose the Parent Dimension, fill the name and click next..



Fill the tag name and description.

		P Home / Dimension		8 admin ∨ ⊕ English 🕛
admin		Dimension Management		🗄 Create New
Overview	^	 Basic information Describe dimension 	Tag Description	Next
Monitoring		3 Choose dimension image	Tag office	ОК
HeatMap		F2 108		
🎓 Statistics	~	4 100		
器 System	^			
Dimension				
Group				

Choose the picture which you upload. After click ok, top dimension was created.

-		P Home / Dimension		8 admin ∨ ⊕ English ()
admin		Dimension Management		E Create New
Overview	^	Basic information Describe dimension		Previous
Monitoring		Choose dimension image		OK
HeatMap		108		
statistics	~	. 100		
器 System	^			
Dimension				
Group				
			· • • • • • • • • • • • • • • • • • • •	



You can draw a boundary in the picture. After you draw the boundary, AP will not count the probe data out of the boundary.





What's more, you can create more sub-dimension under the top dimension for specified area statistics if you









2. AP probe policy configuration

Enter Wi-Fi - Settings – Policy - AP policy and click add to create Probe policy. Feature select "Probe Policy".

						Welcome, admin	SuperAdmin 🗸	🗉 English 🛛 🗢 Refre	sh 💌 🗗
 Dashboard 	Alert Policy AP	Policy AC	Policy					Add	♥ Search >
🚟 Devices	Feature	No.	Name	Details		Time		Enable	Operation
Clients	RFID Tags	2	RFID	MAC: 00:00:00:0 IP: 0.0.0.0-0.0	0:00:00	Date: Any Week: Any Time: Any	Date Day Time	\checkmark	2
Network NAC	Probe Policy	1	tanzhen	MAC: 00:00:00:0 IP: 0.0.0.0-0.0	10:00:00	Date: Any Week: Any Time: Any	Date Day Time	 	2
Firewall							Total 2 Records	10 / page 1	▼ Goto
Location Policy									
						Welcome, walt	walt 🗸 🔤 Engl	lish 🗢 🗢 Refresh	🔤 🏦 🕻
💮 Dashboard	AP Policy								Ba
😑 Devices	 Summary 								
Clients Settings	Name 🥝 Priority								
Network	Feature		Probe I	Policy			•		
NAC	External Policy Serv	ver							
VPN	Protocol		builtin				•		
Firewall	Probe Policy 🥹		0	item	0 it	em			
Location			Searc	ch here Q	Search	here Q	_		
Policy				Not Found		Not Found	⊕		
🐝 System 🗸 🗸									
Alerts	Probe Data(Suppor	rts up to 4)	Send	l Mode	Server IP	Server Port	Report Interval	Operat	tion
2 Overview Y						No dat	a		
			Œ						

Probe Policy click "+"

Create AP probe, select Band, Channel, Detection Accuracy, click "Client Detection" and save.

Dashbaard	AP Probe			Back
Dashboard			•	buck
📰 Devices	Name 🤒	2		
Clients	Band	246		
Settings	Channel			
	Channer			
Network		✓ 1		
NAC		10 v 11 12		
VPN	Detection Accuracy	Low		
	AP Detection			
Firewall	Rogue AP Suppression			
Location	Channel Conflict Assessment			
Policy	Client Detection			
🏶 System 🗸		Save Cancel		

Back to AP Policy, click your Probe Policy from left to right.

ocol				•				
Probe Policy 😑	✓ 1/1 item		0 item		Probe Policy 🧐	0 item	1 item	
	Search here Q	here Q Search here Q	Search here	Search here				
	2	<	Not Found	Ð			2	
		-				Not Found		
					→			

Probe Data, click "+"

				Welcome, walt	∣ walt ∨	🔤 English	S Refresh		ते ₽
🚯 Dashboard	AP Policy								Back
🔚 Devices	 Summary 								
Clients									
💽 Settings 🔷 🔺	Priority								
Network	Feature	Probe Policy			•				
NAC	External Policy Server								
VPN	Protocol	builtin			•				
Firewall	Probe Policy 🥝	0 item	0 iter	n					
Location		Search here Q	Search h	iere Q	÷				
		Not Found	> No	ot Found					
🌺 System 🗸 🗸									
🔔 Alerts	Probe Data(Supports up to 4)	Send Mode	Server IP	Server Port	Report	Interval	Opera	tion	
2 Overview Y				No dat	ta				
		$\textcircled{\textbf{}}$							

Send Mode select "Designated Server" (AP upload probe log to VDS directly)

Server IP is VDS IP

Server Port is VDS "Input Port" (write down the port number)

Report Interval default enter "2"

Add Target Server						
Send Mode	 For Controller Designated Ser 	ver				
Server IP	192.168.102.3					
Server Port ?	10000					
Report Interval	2	Second				
			Cancel OK			

Click OK

Back to AP Policy page and save.

3. AP RFID tag policy configuration

This function is used to collect RFID card information and send to VDS. In VDS you need create corresponding input policy.

Enter Wi-Fi - Settings - Policy - AP policy and click add to create Probe policy.

Feature select 'RFID Tags'.

		Welcome, admin	SuperAdmin 🖂 🔤 English 🛛 😂 Refresh 🔤 📴
 Dashboard 	AP Policy-RFID		Back
📰 Devices	 Summary 		
Clients	Name 😑	RFID	
📀 Settings 🔷 🔺	Priority	2	
Network	Feature	RFID Tags	
NAC	Scan Type	AP STA 🗹 TAG	
VPN	MAC Filter		
Firewall	Matched MAC 🤭		
CNIMD	Report Period	1 Second	
SINIP	Communication Protocol	UDP VDS IP	
Location	Server IP 1	192.168.60.70 VDS input RFID por	ļ
Policy	Port1	11000	
🐳 System 🔨	Communication Protocol	UDP	
	5 ID D	177 16 20 200	

Login VDS, enter LBS Setup - Configuration - Input. Click Create New to add input policy.

VDS Input RFID port 11000, VDS IP 192.168.60.70.

\leftrightarrow \Rightarrow C \blacktriangle Not s	secure https://192.168.60	.70/Nav/Lbs/LbsConfig/LbsInput		२ 🛧 🖰 :
Melcome	P Home / Input			
admin	⊕ Create New	ch v		
🛃 Configuration 🛛 🔨				
Picture	Name	Port	Available	Operation
Probe	rfid	11000	×	2
Serup			-	
Мар	Client	10006	V	
Input			Total 1 Pages 2	Records < 1 > 10 / page > Goto
Output				

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4. Log policy configuration

Log policy is used to send user information to VDS who connect the WiFi.

Enter WiFi - Settings - Policy - AC Policy, click add to create an AC policy

🕚 Dashboard	AC Policy-default		Back
📰 Devices	 Summary 		
Clients	Name 🤴	default	
 Settings 	No.	1	
Network	Feature	Log Policy	
NAC	Log Policy	default 🗸 🖉	
VPN	Enable		
Firewall	Mathching Criteria		
Location			_
Policy	МАС	00:00:00:00:00	
🏶 System 🗸 🗸	Location	Select	
Alerts	Тад	Select	
	Time	Any Date Customized	
		Any Day Customized	
		Any Time Customized	

Log Policy click "+", Select the log type you need.

Log Policy				
Name				
Description				
Туре	 Client Log Probe Log Advertising Log Ap status Log Ap BSSID Log Device discovery Log 		 Device Log URL Log Short message Log AP Scan Log Redirect Url Log 	
Log Server	1 item Search here		0 item	Q
	default	<	Not Found	•
	Save			

Log Server, Click "+"

Log Server-default			
Name	default		
Domain/IP	192.168.89.2		
Port 🤨	514		
Protocol	UDP		
Description	default log server		
Enable			
	Save Delete Cancel		

Domain/IP enter your VDS IP

Port default 514

Protocol default UDP

Click save.

Back to Log Policy page, select your Log Server policy, click save.

Back to AC Policy page, click save.

Now all the config is done. You can see data on VDS.

5. FAQ

Input	V Advanced Settings
Output	Time window 🕘: 2
	Min RSSI @: -85
	Min probe counts 2: 1
	Min prohe counts in one terminal one prohe
	Filtering pseudo mac:
	🗈 Submit

5.1 What is LBS Setup Input "Advanced Settings" used for?

Time window: Located clients time, the more time long, the more data collect and accurate, but ineffective. Suggest use default value 4.

Min RSSI: If the probe AP catch the device RSSI value is lower than setting value, the VDS will not count the data. Suggest use default value -85dB.

Min probe counts: This is used for device location. If you have deployed more 3 probe AP, use the default value 3. If less than 3, fill in the probe AP number. This function means VDS must receive one device mac from how many probe AP. If lower than setting value, the system will not count the data.

Min probe counts in one terminal one probe: It is means how many times a device mac be sent to VDS by the same probe AP. If lower than setting value, the system will not count the data. Suggest use default value 5. For RFID suggest set 1.

Max value in one terminal one probe: One probe AP catch two probe data from one device at the same time. If the RSSI value difference between the probe data less than setting, the system will not count the data. Suggest use default value 5.

Filtering pseudo mac: IOS have a special mechanism, if IOS system do not access the wireless network, it will send out many pseudo mac for safely. Turn on filtering pseudo mac, it will filter most of the pseudo mac and make data more clearly and accurately.

Of course, if you want your VDS work easily, default just fine.

5.2 What is the "send mode for controller" used for?

Add Target Server ×				
Send Mode	For Controller Designated Serve	r		
Server IP				
Server Port 😢				
Report Interval		Second		
			Cancel	ОК

A: Send Mode for controller mean AP will send probe data to VSM(CAM).

If so, the probe data will keep some information on controller.

How to connect this mode with VDS?

On step "3": Select send mode For controller and save.

Forget step "4"

WiFi – Settings – Policy - AC Policy, Choose Log Policy in the feature column.

Log Policy click "+"

٩	Dashboard	AC Policy Back			Back
	Devices	•	Summary		
	Clients		Name 😑		
•	Settings ^		No.		
	Network		Feature	Log Policy	
	NAC		Log Policy	Select	
	VPN		Enable		
	Firewall		Mathching Criteria		
	Location				_
	Policy		MAC	00:00:00:00:00	
*	System 🗸		Location	Select	
Ļ	Alerts		Tag	Select	
8	Overview Y		Time	 Any Date Customized Any Day Customized Any Time Customized 	

Remember click "Probe Log" on Type.

og Policy		
lame		
escription		
уре	 Client Log Probe Log Advertising Log Ap status Log Ap BSSID Log Device discovery Log 	 Device Log URL Log Short message Log AP Scan Log Redirect Url Log
og Server	1 item	0 item
	Search here Q	Search here Q
	default	Not Found
	Save	

Log Server click "+"

Log Server-default	
Name	default
Domain/IP	192.168.89.2
Port 🧐	514
Protocol	UDP
Description	default log server
Enable	
	Save Delete Cancel

Domain/IP enter your VDS IP

Port default 514

Protocol default UDP

Click save.

Back to Log Policy page, select your Log Server policy, click save.

Back to AC Policy page, click save.

5.3 How can I send the probe data to other server?

If you want send probe data to VDS or third-party server, you can choose Designated Server and fill in the information.

Add Target Server >			(
Send Mode	For Controller Designated Serve	er		
Server IP	192.168.102.3			
Server Port 📀	10000			
Report Interval	2	Second		
			Cancel	

Just enter your Server IP, Server Port is fine. (e.g. AP to your system)

5.4 How to select "Detection Accuracy"?

Detection Accuracy	Low
AP Detection	Low
	Medium
Rogue AP Suppression	High
Channel Conflict Assessment	Pure
Client Detection	

The probe working principle as below:

Each channel will scan 300ms, the switching interval between different channel is 50ms.

Low: 10s interval between two times scanning.

Medium: 5s interval between two times scanning.

High: 1s interval between two times scanning.

Pure: 0s interval between two times scanning.