



Rogue AP Finder C9800

2024. 5.

Customer Request


Want to Find the Rogue AP

Location and Vendor
information is required.








EXCEL

	A	B	C	D	E	F	G	J
1	No.	MAC	#APs	Highest-RSSI-Det-AP	RSSI	Channel		
2	1	cae0.39f7.ccd8	0	345d.a8ce.86e0	-38	149	XXXX5F_AP12	Locally
3	1	18bd.ad11.9e30	0	345d.a8cf.7ae0	-43	36	XXXX8F_AP2	L-TECH
4	1	1abd.ad11.9e33	0	345d.a8cf.7ae0	-43	36	XXXX8F_AP2	Locally
5	1	0a30.0d8a.e532	7	345d.a8bf.cd60	-45	149	XXXX6F_AP12	Locally
6	1	5886.945a.8e16	0	345d.a8ce.53c0	-45	149	XXXX2F_AP11	EFM
7	1	0a30.0d84.6c12	7	345d.a8cc.a3c0	-47	149	XXXX5F_AP7	Locally
8	1	18bd.ad16.12d0	0	345d.a8ce.33e0	-47	100	XXXX7F_AP2	L-TECH
9	1	1abd.ad16.12d2	1	345d.a8ce.33e0	-47	100	XXXX7F_AP2	Locally
10	1	0030.0d84.8350	0	345d.a8ce.4900	-47	36	XXXX6F_AP7	MMC
11	1	0a30.0d84.8352	1	345d.a8ce.4900	-47	36	XXXX6F_AP7	Locally
12	1	18bd.ad10.d010	0	345d.a8ce.5fc0	-47	149	XXXX7F_AP7	L-TECH
13	1	1abd.ad10.d012	2	345d.a8ce.5fc0	-47	149	XXXX7F_AP7	Locally
14	1	1abd.ad15.56b2	2	e438.7e3c.f0e0	-47	100	XXXX9F_AP12	Locally
15	1	0a30.0d8a.bc32	0	345d.a8cc.a3c0	-48	36	XXXX5F_AP7	Locally
16	1	0030.0d8a.e530	0	345d.a8cf.3560	-48	149	XXXX5F_AP13	MMC
17	1	18bd.ad15.56b0	0	e438.7e3c.f0e0	-48	100	XXXX9F_AP12	L-TECH
18	1	0030.0d8a.bc30	0	345d.a8cc.a3c0	-49	36	XXXX5F_AP7	MMC
19	1	18bd.ad11.ae50	0	345d.a8ce.38c0	-50	52	XXXX2F_AP6	L-TECH
20	1	1abd.ad11.ae52	7	345d.a8ce.38c0	-50	52	XXXX2F_AP6	Locally
21	1	18bd.ad11.ddf0	0	345d.a8cd.9940	-51	36	XXXX3F_AP6	L-TECH
22	1	1abd.ad11.ddf2	2	345d.a8cd.9940	-51	36	XXXX3F_AP6	Locally
23	1	18bd.ad11.cbb0	0	345d.a8cd.dcc0	-51	52	XXXX8F_AP16	L-TECH
24	1	1abd.ad11.cbb2	2	345d.a8cd.dcc0	-51	52	XXXX8F_AP16	Locally
25	1	0a30.0d83.81b2	3	345d.a8ce.2f00	-51	36	XXXX2F_AP9	Locally
26	1	18bd.ad13.aeb0	0	345d.a8cd.7460	-52	36	XXXX3F_AP13	L-TECH
27	1	1abd.ad13.aeb2	4	345d.a8cd.7460	-52	36	XXXX3F_AP13	Locally
28	1	0030.0d85.01d0	0	345d.a8cd.cc20	-52	149	XXXX4F_AP16	MMC
29	1	0a30.0d85.01d2	2	345d.a8cd.cc20	-52	149	XXXX4F_AP16	Locally
30	1	0030.0d83.81b0	0	345d.a8ce.2f00	-52	36	XXXX2F_AP9	MMC
31	1	0216.1f03.cb6b	0	e438.7e3c.f0e0	-52	157	XXXX9F_AP12	Locally
32	1	787d.5369.e934	2	e438.7e3d.04c0	-52	40	XXXX9F_AP13	Extreme
33	1	18bd.ad13.af10	0	345d.a8cd.7560	-53	149	XXXX4F_AP8	L-TECH
34	1	1abd.ad13.af12	3	345d.a8cd.7560	-53	149	XXXX4F_AP8	Locally
35	1	1abd.ad11.48d3	0	345d.a8cd.a3e0	-53	100	XXXX4F_AP11	Locally
36	1	18bd.ad11.b1b0	0	345d.a8ce.4fe0	-53	149	XXXX8F_AP13	L-TECH
37	1	1abd.ad11.b1b2	1	345d.a8ce.4fe0	-53	149	XXXX8F_AP13	Locally
38	1	787d.5369.e874	1	e438.7e3d.0520	-53	112	XXXX9F_AP11	Extreme
39	1	18bd.ad11.48d0	0	345d.a8cd.a3e0	-54	100	XXXX4F_AP11	L-TECH
40	1	0030.0d8a.1890	0	345d.a8cd.7e60	-56	149	XXXX7F_AP12	MMC
41	1	0a30.0d8a.1892	2	345d.a8cd.7e60	-56	149	XXXX7F_AP12	Locally
42	1	0a30.0d85.0a13	0	345d.a8ce.2fc0	-56	149	XXXX6F_AP3	Locally
43	1	0a30.0d84.f773	1	345d.a8ce.8200	-56	149	XXXX4F_AP2	Locally
44	1	1abd.ad11.5b33	1	e438.7e3d.0620	-56	100	XXXX9F_AP8	Locally
45	1	1abd.ad12.e3d3	0	e438.7e3d.0620	-56	52	XXXX9F_AP8	Locally
46	1	0030.0d84.f470	0	345d.a8ce.96e0	-57	100	XXXX5F_AP2	MMC

WLC C9800 Rogue AP UI – not enough!

 Cisco Catalyst 9800-CL Wireless Controller
17.9.5

Welcome cisco



Search APs and Clients

Feedback

Search Menu Items

Dashboard

Monitoring

Configuration

Administration

Licensing

Troubleshooting

Walk Me Through

Monitoring > Wireless > Rogues

Unclassified Friendly Malicious Custom Ignore List Rogue Clients Adhoc Rogues

Delete

Total APs : 20

	MAC Address	#Detecting Radios	Number of Clients	Status	Last Heard	Last Heard SSID	Last Channel	PMF Required
<input type="checkbox"/>	0c96.cdc.b.d984	1	0	Alert	05/19/2024 02:11:35	SK_WiFiGIGAD982_5G	157	No
<input type="checkbox"/>	5886.94bd.616c	2	0	Alert	05/19/2024 02:10:05	3041501_5G	149	No
<input type="checkbox"/>	0027.1c81.f96e	1	0	Alert	05/19/2024 02:12:21	douglas.kt5	44	No
<input type="checkbox"/>	5a86.9445.18cc	2	5	Alert	05/19/2024 02:12:05	douglas.1mbps	36	No
<input type="checkbox"/>	26e8.536c.2bb3	1	0	Alert	05/19/2024 02:12:21	AT_204_D121111_2bb3	11	No
<input type="checkbox"/>	167f.6756.b9b1	1	0	Alert	05/19/2024 02:12:21	[LG_CeilingCassette A/C]b9b1	11	No
<input type="checkbox"/>	167f.6744.9864	1	0	Alert	05/19/2024 02:11:05	[LG_CeilingCassette A/C]9864	11	No
<input type="checkbox"/>	3a5d.ddf7.c057	1	0	Alert	05/19/2024 02:11:35	SK_WiFiGIGAC054_2.4G	8	No
<input type="checkbox"/>	0a5d.ddf7.c057	1	0	Alert	05/19/2024 02:10:35	(*****HIDDEN*****)	8	No
<input type="checkbox"/>	085d.ddf7.c057	1	1	Alert	05/19/2024 02:11:35	SK_WiFiGIGAC054	8	No
<input type="checkbox"/>	5a86.94cd.616c	2	11	Alert	05/19/2024 02:12:05	3041501	7	No
<input type="checkbox"/>	c83a.354c.1ce8	1	0	Alert	05/19/2024 02:11:35	PISnet_4C1CE8	6	No
<input type="checkbox"/>	9877.e7b5.fa2f	1	0	Alert	05/19/2024 02:10:35	(*****HIDDEN*****)	6	No
<input type="checkbox"/>	9877.e7b5.f817	1	1	Alert	05/19/2024 02:10:05	(*****HIDDEN*****)	6	No
<input type="checkbox"/>	9877.e7b5.f7cf	1	0	Alert	05/19/2024 02:11:35	senWiFi_Free_16	6	No
<input type="checkbox"/>	9877.e7b5.f7b7	1	0	Alert	05/19/2024 02:10:35	senWiFi_Free_19	6	No
<input type="checkbox"/>	1296.cdc.b.d985	1	0	Alert	05/19/2024 02:09:35	(*****HIDDEN*****)	3	No
<input type="checkbox"/>	0c96.cdc.b.d985	1	0	Alert	05/19/2024 02:09:35	SK_WiFiGIGAD982_2.4G	3	No
<input type="checkbox"/>	5886.9415.18cc	2	1	Alert	05/19/2024 02:11:05	douglas.ap2	2	No
<input type="checkbox"/>	40ca.6373.cffc	2	0	Alert	05/19/2024 02:09:51	Samsung StickVacuum_E50AJTVS108V	1	No

1 - 20 of 20 Items

WLC C9800 Rogue AP CLI – Need to Improve

```
v9800_17.9.5#show wireless wps rogue ap summary
```

```
Rogue Location Discovery Protocol      : Disabled
Validate rogue APs against AAA        : Disabled
Rogue Security Level                  : Custom
Rogue on wire Auto-Contain             : Disabled
Rogue using our SSID Auto-Contain     : Disabled
Valid client on rogue AP Auto-Contain : Disabled
Rogue AP timeout                      : 1200
Rogue init timer                      : 180
```

```
Total Number of Rogue APs : 20
```

MAC Address	Classification	State	#APs	#Clients	Last Heard	Highest-RSSI-Det-AP	RSSI	Channel	GHz
0027.1c81.f96e	Unclassified	Alert	1	0	05/19/2024 02:12:21	c4f7.d5e9.5560	-78	44	5
085d.ddf7.c057	Unclassified	Alert	1	1	05/19/2024 02:11:35	286f.7fff.9420	-76	8	2.4
0a5d.ddf7.c057	Unclassified	Alert	1	0	05/19/2024 02:10:35	286f.7fff.9420	-78	8	2.4

Sorting RSSI

Display 5Ghz Only

Convert into AP MAC vendor

Convert into AP Host Name

Final Goal

```
(venv) wankim@WANKIM-M-X6TL c900-rogue-ap-ssh % python3 c920-sort-5G-only-done.py
```

MAC Address	Classification	State	#APs	#Clients	Last Heard	Highest-RSSI-Det-AP	RSSI	Channel	GHz	Detect_AP_Name	Rogue_AP_Vendor
5a86.9445.18cc	Unclassified	Alert	3	8	05/18/2024 12:37:12	286f.7fff.9420	-37	36	5	Seoul_10F	unknown
0027.1c81.f96e	Unclassified	Alert	2	0	05/18/2024 12:29:00	c4f7.d5e9.5560	-79	44	5	Seattle_5F	MERCURY CORPOR
0c96.cdc6.d984	Unclassified	Alert	2	0	05/18/2024 12:35:30	c4f7.d5e9.5560	-79	157	5	Seattle_5F	MERCURY CORPOR
1696.cdc6.d984	Unclassified	Alert	2	0	05/18/2024 12:35:30	c4f7.d5e9.5560	-79	157	5	Seattle_5F	unknown
5886.94bd.616c	Unclassified	Alert	3	1	05/18/2024 12:36:30	286f.7fff.9420	-79	149	5	Seoul_10F	EFM Networks

Just sort

filter

5G only

from OUI vendor list

show ap dot11 5ghz load-info

AP Name	Radio MAC	Slot	Channel Utilization (%)	Clients
AP1c6a.7a87.3fe0	1c6a.7ab5.6740	1	0	0
Seoul_10F	286f.7fff.9420	1	3	0
Seattle_5F	c4f7.d5e9.5560	1	1	0

FLOW

netmiko

```
save <c901_ap_list.txt> from <show ap dot11 5ghz load-info> and <show ap dot11 24ghz load-info>  
save <c902_rogue_AP_list.txt> from <'show wireless wps rogue ap summary'>
```

```
read < c902_rogue_AP_list.txt>  
add <rogue AP vendor> using ModC920MacVendorFinder / MAC_VENDOR_FINDER according to <c900-mac-vendor>  
add <detect AP hostname> using ModC910FindApName / AP_NAME_FINDER  
write < c903_result_for_sort.txt>
```

```
read < c903_result_for_sort.txt >  
sorting based on RSSI  
dictionaries in list are used
```

Files

- c920-sort-5G-only-done.py
- ModC910FindApName.py
- ModC920MacVendorFinder.py
- c900-mac-vendor.txt

Result

(venv) wankim@WANKIM-M-X6TL c900-rogue-ap-ssh % python3 c920-sort-5G-only-done.py

MAC Address	Classification	State	#APs	#Clients	Last Heard	Highest-RSSI-Det-AP	RSSI	Channel	GHz	Detect_AP_Name	Rogue_AP_Vendor
5a86.9445.18cc	Unclassified	Alert	3	8	05/18/2024 12:37:12	286f.7fff.9420	-37	36	5	Seoul_10F	unknown
0027.1c81.f96e	Unclassified	Alert	2	0	05/18/2024 12:29:00	c4f7.d5e9.5560	-79	44	5	Seattle_5F	MERCURY CORPOR
0c96.cdcb.d984	Unclassified	Alert	2	0	05/18/2024 12:35:30	c4f7.d5e9.5560	-79	157	5	Seattle_5F	MERCURY CORPOR
1696.cdcb.d984	Unclassified	Alert	2	0	05/18/2024 12:35:30	c4f7.d5e9.5560	-79	157	5	Seattle_5F	unknown
5886.94bd.616c	Unclassified	Alert	3	1	05/18/2024 12:36:30	286f.7fff.9420	-79	149	5	Seoul_10F	EFM Networks

Run on C9800-40

want to do but I don't have it.

- C9800-40 runs guestshell, which is CentOS/Linux.
- If you have it, you can convert into guestshell code and run C9800 CLI.