ipv6 - Task #8094

Test ubiquiti UAP-AC-Lite, UAP-AC-LR and UAP-AC-Pro-Gen2 in IPv6 only networks

05/31/2020 06:03 PM - Nico Schottelius

Status:	Rejected		**Start date:**	05/31/2020
Priority:	Normal		**Due date:**	
Assignee:	Nico Schottelius		**% Done:**	0%
Category:			**Estimated time:**	0.00 hour
Target version:				
PM Check date:				

Description

Steps

- Upgraded firmware to version 4.3.13
- Configured them via unifi network
- Connect them to an IPv6 only network

Result

- Access point turn off the radio shortly after booting
  - Tested via "wpa_cli -i wlan0 scan" on computers nearby
  - This does not happen if the AP gets an IPv4 address via dhcp

Source of problem

It seems that the uplink-monitor fails to detect the IPv6 uplink and according to
https://community.ui.com/questions/UniFi-Controller-Connectivity-Monitor/630191eb-b6a1-4354-898b-610211197414 if there is no uplink, the radios are disabled.

Further issues

- It seems /etc/resolv.conf is empty
  - this might be, because rdnssd is not running

History

#1 - 05/31/2020 06:04 PM - Nico Schottelius

- Project changed from Open Infrastructure to ipv6

#2 - 05/31/2020 06:06 PM - Nico Schottelius

- Description updated

#3 - 05/31/2020 06:11 PM - Nico Schottelius

Debugging further:

```
ubnt-lr-1-BZ.v4.3.13# ps w | grep hostap
 1380 ubnt      6164 S    /usr/sbin/hostapd -d -s /etc/aaa1.cfg
 1381 ubnt      6164 S    /usr/sbin/hostapd -d -s /etc/aaa3.cfg
 4392 ubnt      1228 S    grep hostap
ubnt-lr-1-BZ.v4.3.13# cat /etc/aaa1.cfg
interface=ath0
ctrl_interface=/var/run/hostapd
bridge=br0
driver=atheros
nas_identifier=$bssid
wpa=3
eapol_version=2
ssid=dg ipv6
wpa_group_rekey=0
wpa_group_update_count=4
```

```
wpa_gmk_rekey=86400
wpa_passphrase=ungleich
wpa_pairwise=TKIP CCMP
wpa_key_mgmt=WPA-PSK
logger_syslog=-1
logger_syslog_level=1
wlan_id=c12b
own_ip_addr=192.168.1.20
ubnt-lr-1-BZ.v4.3.13#
```

It has a record of an own ip, which it actually set it up.

In the log this message might be the reason why the radio is turned off:

```
Thu Apr 30 15:42:53 2020 user.err : uplink-monitor[1446]: uplink-monitor.get_link_info(): uplink addr i
s null
```

#4 - 05/31/2020 06:14 PM - Nico Schottelius

- Description updated

#5 - 05/31/2020 06:40 PM - Nico Schottelius

- Description updated

#6 - 01/02/2024 02:44 PM - Nico Schottelius

- Status changed from In Progress to Rejected