[2022/9/30 記載]

create_ap.conf内容

```
CHANNEL=default
GATEWAY=192.168.12.1
WPA_VERSION=2
ETC_HOSTS=0
DHCP_DNS=gateway
NO_DNS=0
NO_DNSMASQ=0
HIDDEN=0
MAC_FILTER=0
MAC_FILTER_ACCEPT=/etc/hostapd/hostapd.accept
ISOLATE_CLIENTS=0
SHARE_METHOD=bridge
IEEE80211N=1
IEEE80211AC=0
HT_CAPAB=[HT40+]
VHT_CAPAB=
DRIVER=nl80211
NO_VIRT=0
COUNTRY=
FREQ_BAND=2.4
NEW_MACADDR=
DAEMONIZE=0
NO_HAVEGED=0
WIFI_IFACE=wlan0
INTERNET_IFACE=eth0
SSID=armadillo-wifi
PASSPHRASE=EnewellGW
USE_PSK=0
```

Ethernetケーブル挿入状態のnmcli

```
ttyUSB2: connected to gsm-ttyUSB2
        "Quectel EC25"
        gsm (option1), hw, iface ppp0, mtu 1500
        ip4 default
        inet4 10.xx.xx.xx/32
        inet4 10.xx.xx.xx/32
        route4 10.xx.xx.xx/32
        route4 10.xx.xx.xx/32
        route4 0.0.0.0/0

eth0: connected to ethernet-eth0
        "eth0"
        ethernet (fec), 00:11:0C:2B:1F:80, hw, mtu 1500
        inet4 192.168.11.1/24
        route4 192.168.11.0/24
        route4 169.254.0.0/16
        inet6 fe80::de70:6f5:db97:2231/64
        route6 fe80::/64
        route6 ff00::/8

gre0: unmanaged
        "gre0"
        iptunnel (gre), sw, mtu 1476

gretap0: unmanaged
        "gretap0"
        iptunnel (gretap), sw, mtu 1462

ip6gre0: unmanaged
        "ip6gre0"
        iptunnel (ip6gre), sw, mtu 1448

ip6tnl0: unmanaged
        "ip6tnl0"
        iptunnel (ip6tnl), sw, mtu 1452

sit0: unmanaged
        "sit0"
        iptunnel (sit), sw, mtu 1480

tun0: unmanaged
        "tun0"
        iptunnel (ipip), sw, mtu 1480

lo: unmanaged
        "lo"
        loopback (unknown), 00:00:00:00:00:00, sw, mtu 65536

ppp0: unmanaged
        "ppp0"
        ppp, sw, mtu 1500

wlan0: unmanaged
```

Ethernetケーブル抜き状態のnmcli

```
ttyUSB2: connected to gsm-ttyUSB2
        "Quectel EC25"
        gsm (option1), hw, iface ppp0, mtu 1500
        ip4 default
        inet4 10.xx.xx.xx/32
        inet4 10.xx.xx.xx/32
        route4 10.xx.xx.xx/32
        route4 10.xx.xx.xx/32
        route4 0.0.0.0/0

eth0: unavailable
        "eth0"
        ethernet (fec), 00:11:0C:2B:1F:80, hw, mtu 1500

gre0: unmanaged
        "gre0"
        iptunnel (gre), sw, mtu 1476

gretap0: unmanaged
        "gretap0"
        iptunnel (gretap), sw, mtu 1462

ip6gre0: unmanaged
        "ip6gre0"
        iptunnel (ip6gre), sw, mtu 1448

ip6tnl0: unmanaged
        "ip6tnl0"
        iptunnel (ip6tnl), sw, mtu 1452

sit0: unmanaged
        "sit0"
        iptunnel (sit), sw, mtu 1480

tun0: unmanaged
        "tun0"
        iptunnel (ipip), sw, mtu 1480

lo: unmanaged
        "lo"
        loopback (unknown), 00:00:00:00:00:00, sw, mtu 65536

ppp0: unmanaged
        "ppp0"
        ppp, sw, mtu 1500

wlan0: unmanaged
        "Qualcomm Atheros AR9462"
        wifi (ath9k), 44:C3:06:4A:39:EE, hw, mtu 1500

DNS configuration:
        servers: 203.138.71.154 210.150.255.66
        interface: ppp0

Use "nmcli device show" to get complete information about known devices and
nmcli connection show to gat an overview on active connection profiles.

Consult nmcli(1) and nmcli-examples(5) manual pages for complete usage details.
```

inet4
route4
の値は伏せてます

create_ap起動の状態確認

```
systemctl status create_ap.service
● create_ap.service - Create AP Service
   Loaded: loaded (/lib/systemd/system/create_ap.service; disabled; vendor prese
   Active: inactive (dead)

Feb 14 19:12:36 armadillo create_ap[2847]: ap0: interface state HT_SCAN->ENABLED
Feb 14 19:12:36 armadillo create_ap[2847]: ap0: AP-ENABLED
Sep 29 19:50:18 armadillo create_ap[2847]: Doing cleanup. ap0: interface state
Sep 29 19:50:18 armadillo create_ap[2847]: ap0: AP-DISABLED
Sep 29 19:50:18 armadillo create_ap[2847]: ap0: CTRL-EVENT-TERMINATING
Sep 29 19:50:18 armadillo create_ap[2847]: nl80211: deinit ifname=ap0 disabled_i
Sep 29 19:50:18 armadillo systemd[1]: Stopping Create AP Service...
Sep 29 19:50:20 armadillo create_ap[2847]: done
Sep 29 19:50:20 armadillo systemd[1]: create_ap.service: Succeeded.
Sep 29 19:50:20 armadillo systemd[1]: Stopped Create AP Service.
```

create_ap開始

```
systemctl start create_ap.service
        device eth0 entered promiscuous mode
        Vitesse VSC8501 30b0000.ethernet-1:00: attached PHY driver [Vitesse VSC8501] (mii_bus:phy
        IPv6: ADDRCONF(NETDEV_UP): eth0: link is not ready
        br0: port 1(eth0) entered blocking state
        br0: port 1(eth0) entered disabled state
        IPv6: ADDRCONF(NETDEV_UP): ap0: link is not ready
        br0: port 2(ap0) entered blocking state
        br0: port 2(ap0) entered disabled state
        device ap0 entered promiscuous mode
        br0: port 2(ap0) entered blocking state
        br0: port 2(ap0) entered forwarding state
        br0: port 2(ap0) entered disabled state
        IPv6: ADDRCONF(NETDEV_CHANGE): ap0: link becomes ready
        br0: port 2(ap0) entered blocking state
        br0: port 2(ap0) entered forwarding state
```

create_ap開始後のnmcli

```
nmcli
ttyUSB2: connected to gsm-ttyUSB2
        "Quectel EC25"
        gsm (option1), hw, iface ppp0, mtu 1500
        ip4 default
        inet4 10.xx.xx.xx/32
        inet4 10.xx.xx.xx/32
        route4 10.xx.xx.xx/32
        route4 10.xx.xx.xx/32
        route4 0.0.0.0/0

br0: connected to br0
        "br0"
        bridge, 00:11:0C:2B:1F:80, sw, mtu 1500
        route4 169.254.0.0/16
        inet6 fe80::9ce4:21ff:fe61:33fc/64
        route6 fe80::/64
        route6 ff00::/8

eth0: unmanaged
        "eth0"
        ethernet (fec), 00:11:0C:2B:1F:80, hw, mtu 1500

gre0: unmanaged
        "gre0"
        iptunnel (gre), sw, mtu 1476

gretap0: unmanaged
        "gretap0"
        iptunnel (gretap), sw, mtu 1462

ip6gre0: unmanaged
        "ip6gre0"
        iptunnel (ip6gre), sw, mtu 1448

ip6tnl0: unmanaged
        "ip6tnl0"
        iptunnel (ip6tnl), sw, mtu 1452

sit0: unmanaged
        "sit0"
        iptunnel (sit), sw, mtu 1480

tun0: unmanaged
        "tun0"
        iptunnel (ipip), sw, mtu 1480

lo: unmanaged
        "lo"
        loopback (unknown), 00:00:00:00:00:00, sw, mtu 65536

ppp0: unmanaged
        "ppp0"
        ppp, sw, mtu 1500

ap0: unmanaged
        "Qualcomm Atheros AR9462"
        wifi (ath9k), 44:C3:06:4A:39:EF, hw, mtu 1500

wlan0: unmanaged
        "Qualcomm Atheros AR9462"
Use "nmcli device show" to get complete information about known devices and
nmcli connection show to get an overview on active connection profiles.
```

Ethernetケーブル挿入

```
fec 30b0000.ethernet eth0: Link is Up - 1Gbps/Full - flow control rx/tx
IPv6: ADDRCONF(NETDEV_CHANGE): eth0: link becomes ready
br0: port 1(eth0) entered blocking state
br0: port 1(eth0) entered forwarding state
```

Ethernetケーブル挿入後のnmcli

```
nmcli
ttyUSB2: connected to gsm-ttyUSB2
        "Quectel EC25"
        gsm (option1), hw, iface ppp0, mtu 1500
        ip4 default
        inet4 10.xx.xx.xx/32
        inet4 10.xx.xx.xx/32
        route4 10.xx.xx.xx/32
        route4 10.xx.xx.xx/32
        route4 0.0.0.0/0

br0: connected to br0
        "br0"
        bridge, 00:11:0C:2B:1F:80, sw, mtu 1500
        route4 169.254.0.0/16
        inet6 fe80::9ce4:21ff:fe61:33fc/64
        route6 fe80::/64
        route6 ff00::/8

eth0: unmanaged
        "eth0"
        ethernet (fec), 00:11:0C:2B:1F:80, hw, mtu 1500

gre0: unmanaged
        "gre0"
        iptunnel (gre), sw, mtu 1476

gretap0: unmanaged
        "gretap0"
        iptunnel (gretap), sw, mtu 1462

ip6gre0: unmanaged
        "ip6gre0"
        iptunnel (ip6gre), sw, mtu 1448

ip6tnl0: unmanaged
        "ip6tnl0"
        iptunnel (ip6tnl), sw, mtu 1452

sit0: unmanaged
        "sit0"
        iptunnel (sit), sw, mtu 1480

tun0: unmanaged
        "tun0"
        iptunnel (ipip), sw, mtu 1480

lo: unmanaged
        "lo"
        loopback (unknown), 00:00:00:00:00:00, sw, mtu 65536

ppp0: unmanaged
        "ppp0"
        ppp, sw, mtu 1500

ap0: unmanaged
        "Qualcomm Atheros AR9462"
        wifi (ath9k), 44:C3:06:4A:39:EF, hw, mtu 1500

wlan0: unmanaged
        "Qualcomm Atheros AR9462"
Use "nmcli device show" to get complete information about known devices and
nmcli connection show to get an overview on active connection profiles.

Consult nmcli(1) and nmcli-examples(5) manual pages for complete usage details.
```