



Ed Magara &lt;edmagara70@gmail.com&gt;

**(no subject)**

**Ed Magara** <edmagara70@gmail.com>  
 To: Ed Magara <edmagara70@gmail.com>

28 July 2022 at 20:16

Password:  
 root@box:/home/edmagara# iiab-network  
 Reading /etc/iiab/iiab.env

Extracted STAGE=9 (counter) from /etc/iiab/iiab.env  
 Ansible will now run iiab-network.yml -- log file is iiab-network.log  
 "ansible\_python": {  
 "executable": "/usr/bin/python3",  
 "type": "cpython",  
 "ansible\_python\_version": "3.8.10",  
 "ansible\_selinux\_python\_present": true,

PLAY [all] \*\*\*\*\*

TASK [Gathering Facts] \*\*\*\*\*  
 ok: [127.0.0.1]

TASK [0-init : ...IS BEGINNING =====] \*\*\*  
 ok: [127.0.0.1]

TASK [0-init : Ansible just ran /etc/ansible/facts.d/local\_facts.fact to set 11 vars -- here we extract 3 of those -- rpi\_model: none, devicetree\_model: none, iiab\_stage: 9] \*\*\*  
 ok: [127.0.0.1]

TASK [0-init : Create /etc/iiab/iiab.ini, if it doesn't exist] \*\*\*\*\*  
 skipping: [127.0.0.1]

TASK [0-init : Set first\_run flag] \*\*\*\*\*  
 skipping: [127.0.0.1]

TASK [0-init : Copy iiab-summary & iiab-diagnostics from /opt/iiab/iiab/scripts/ to /usr/bin/] \*\*\*  
 ok: [127.0.0.1] => (item=iiab-summary)  
 ok: [127.0.0.1] => (item=iiab-diagnostics)

TASK [0-init : Create globally-writable directory /etc/iiab/diag (0777) so non-root users can run 'iiab-diagnostics'] \*\*\*  
 ok: [127.0.0.1]

TASK [0-init : Pre-check that IIAB's "XYZ\_install" + "XYZ\_enabled" vars (1) are defined, (2) are boolean-not-string variables, and (3) contain plausible values. Also checks that "XYZ\_install" is True when "XYZ\_installed" is defined.] \*\*\*  
 included: /opt/iiab/iiab/roles/0-init/tasks/validate\_vars.yml for 127.0.0.1

TASK [0-init : Set vars\_checklist for 43 + 43 + 39 vars ("XYZ\_install" + "XYZ\_enabled" + "XYZ\_installed") to be checked] \*\*\*  
 ok: [127.0.0.1]

TASK [0-init : Assert that 43 "XYZ\_install" vars are all... defined] \*\*\*\*\*

ok: [127.0.0.1] => (item=hostapd)  
 ok: [127.0.0.1] => (item=dnsmasq)  
 ok: [127.0.0.1] => (item=bluetooth)  
 ok: [127.0.0.1] => (item=sshd)  
 ok: [127.0.0.1] => (item=openvpn)  
 ok: [127.0.0.1] => (item=remotet)  
 ok: [127.0.0.1] => (item=admin\_console)  
 ok: [127.0.0.1] => (item=squid)  
 ok: [127.0.0.1] => (item=cups)  
 ok: [127.0.0.1] => (item=samba)  
 ok: [127.0.0.1] => (item=usb\_lib)  
 ok: [127.0.0.1] => (item=azuracast)  
 ok: [127.0.0.1] => (item=gitea)  
 ok: [127.0.0.1] => (item=jupyterhub)  
 ok: [127.0.0.1] => (item=loko)  
 ok: [127.0.0.1] => (item=mediawiki)  
 ok: [127.0.0.1] => (item=mosquitto)  
 ok: [127.0.0.1] => (item=nodejs)  
 ok: [127.0.0.1] => (item=nodered)  
 ok: [127.0.0.1] => (item=nextcloud)  
 ok: [127.0.0.1] => (item=wordpress)  
 ok: [127.0.0.1] => (item=kalite)

```

ok: [127.0.0.1] => (item=kolibri)
ok: [127.0.0.1] => (item=kiwix)
ok: [127.0.0.1] => (item=postgresql)
ok: [127.0.0.1] => (item=moodle)
ok: [127.0.0.1] => (item=mongodb)
ok: [127.0.0.1] => (item=sugarizer)
ok: [127.0.0.1] => (item=osm_vector_maps)
ok: [127.0.0.1] => (item=transmission)
ok: [127.0.0.1] => (item=awstats)
ok: [127.0.0.1] => (item=monit)
ok: [127.0.0.1] => (item=munin)
ok: [127.0.0.1] => (item=phpmyadmin)
ok: [127.0.0.1] => (item=vnstat)
ok: [127.0.0.1] => (item=yarn)
ok: [127.0.0.1] => (item=captiveportal)
ok: [127.0.0.1] => (item=internetarchive)
ok: [127.0.0.1] => (item=minetest)
ok: [127.0.0.1] => (item=calibreweb)
ok: [127.0.0.1] => (item=calibre)
ok: [127.0.0.1] => (item=pbx)
ok: [127.0.0.1] => (item=network)

```

TASK [0-init : Assert that 43 "XYZ\_enabled" vars are all... defined] \*\*\*\*\*

```

ok: [127.0.0.1] => (item=hostapd)
ok: [127.0.0.1] => (item=dnsmasq)
ok: [127.0.0.1] => (item=bluetooth)
ok: [127.0.0.1] => (item=sshd)
ok: [127.0.0.1] => (item=openvpn)
ok: [127.0.0.1] => (item=remoteit)
ok: [127.0.0.1] => (item=admin_console)
ok: [127.0.0.1] => (item=squid)
ok: [127.0.0.1] => (item=cups)
ok: [127.0.0.1] => (item=samba)
ok: [127.0.0.1] => (item=usb_lib)
ok: [127.0.0.1] => (item=azuracast)
ok: [127.0.0.1] => (item=gitea)
ok: [127.0.0.1] => (item=jupyterhub)
ok: [127.0.0.1] => (item=lokole)
ok: [127.0.0.1] => (item=mediawiki)
ok: [127.0.0.1] => (item=mosquitto)
ok: [127.0.0.1] => (item=nodejs)
ok: [127.0.0.1] => (item=nodered)
ok: [127.0.0.1] => (item=nextcloud)
ok: [127.0.0.1] => (item=wordpress)
ok: [127.0.0.1] => (item=kalite)
ok: [127.0.0.1] => (item=kolibri)
ok: [127.0.0.1] => (item=kiwix)
ok: [127.0.0.1] => (item=postgresql)
ok: [127.0.0.1] => (item=moodle)
ok: [127.0.0.1] => (item=mongodb)
ok: [127.0.0.1] => (item=sugarizer)
ok: [127.0.0.1] => (item=osm_vector_maps)
ok: [127.0.0.1] => (item=transmission)
ok: [127.0.0.1] => (item=awstats)
ok: [127.0.0.1] => (item=monit)
ok: [127.0.0.1] => (item=munin)
ok: [127.0.0.1] => (item=phpmyadmin)
ok: [127.0.0.1] => (item=vnstat)
ok: [127.0.0.1] => (item=yarn)
ok: [127.0.0.1] => (item=captiveportal)
ok: [127.0.0.1] => (item=internetarchive)
ok: [127.0.0.1] => (item=minetest)
ok: [127.0.0.1] => (item=calibreweb)
ok: [127.0.0.1] => (item=calibre)
ok: [127.0.0.1] => (item=pbx)
ok: [127.0.0.1] => (item=network)

```

TASK [0-init : Assert that 43 "XYZ\_install" vars are all... type boolean (NOT type string, which can invert logic!)] \*\*\*

```

ok: [127.0.0.1] => (item=hostapd)
ok: [127.0.0.1] => (item=dnsmasq)
ok: [127.0.0.1] => (item=bluetooth)
ok: [127.0.0.1] => (item=sshd)
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ok: [127.0.0.1] => (item=usb_lib)
ok: [127.0.0.1] => (item=azuracast)
ok: [127.0.0.1] => (item=gitea)
ok: [127.0.0.1] => (item=jupyterhub)
ok: [127.0.0.1] => (item=lokole)
ok: [127.0.0.1] => (item=mediawiki)

```

```

ok: [127.0.0.1] => (item=mosquitto)
ok: [127.0.0.1] => (item=nodejs)
ok: [127.0.0.1] => (item=nodered)
ok: [127.0.0.1] => (item=nextcloud)
ok: [127.0.0.1] => (item=wordpress)
ok: [127.0.0.1] => (item=kalite)
ok: [127.0.0.1] => (item=kolibri)
ok: [127.0.0.1] => (item=kiwix)
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ok: [127.0.0.1] => (item=minetest)
ok: [127.0.0.1] => (item=calibreweb)
ok: [127.0.0.1] => (item=calibre)
ok: [127.0.0.1] => (item=pbx)
ok: [127.0.0.1] => (item=network)

```

TASK [0-init : Assert that 43 "XYZ\_enabled" vars are all... type boolean (NOT type string, which can invert logic!)] \*\*\*

```

ok: [127.0.0.1] => (item=hostapd)
ok: [127.0.0.1] => (item=dnsmasq)
ok: [127.0.0.1] => (item=bluetooth)
ok: [127.0.0.1] => (item=sshd)
ok: [127.0.0.1] => (item=openvpn)
ok: [127.0.0.1] => (item=remoteit)
ok: [127.0.0.1] => (item=admin_console)
ok: [127.0.0.1] => (item=squid)
ok: [127.0.0.1] => (item=cups)
ok: [127.0.0.1] => (item=samba)
ok: [127.0.0.1] => (item=usb_lib)
ok: [127.0.0.1] => (item=azuracast)
ok: [127.0.0.1] => (item=gitea)
ok: [127.0.0.1] => (item=jupyterhub)
ok: [127.0.0.1] => (item=lokole)
ok: [127.0.0.1] => (item=mediawiki)
ok: [127.0.0.1] => (item=mosquitto)
ok: [127.0.0.1] => (item=nodejs)
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ok: [127.0.0.1] => (item=nextcloud)
ok: [127.0.0.1] => (item=wordpress)
ok: [127.0.0.1] => (item=kalite)
ok: [127.0.0.1] => (item=kolibri)
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ok: [127.0.0.1] => (item=calibreweb)
ok: [127.0.0.1] => (item=calibre)
ok: [127.0.0.1] => (item=pbx)
ok: [127.0.0.1] => (item=network)

```

TASK [0-init : DISALLOW "XYZ\_install: False" WITH "XYZ\_enabled: True" ...for all 43 var pairs] \*\*\*

```

ok: [127.0.0.1] => (item=hostapd)
ok: [127.0.0.1] => (item=dnsmasq)
ok: [127.0.0.1] => (item=bluetooth)
ok: [127.0.0.1] => (item=sshd)
ok: [127.0.0.1] => (item=openvpn)
ok: [127.0.0.1] => (item=remoteit)
ok: [127.0.0.1] => (item=admin_console)
ok: [127.0.0.1] => (item=squid)
ok: [127.0.0.1] => (item=cups)
ok: [127.0.0.1] => (item=samba)

```

```

ok: [127.0.0.1] => (item=usb_lib)
ok: [127.0.0.1] => (item=azuracast)
ok: [127.0.0.1] => (item=gitea)
ok: [127.0.0.1] => (item=jupyterhub)
ok: [127.0.0.1] => (item=lokole)
ok: [127.0.0.1] => (item=mediawiki)
ok: [127.0.0.1] => (item=mosquitto)
ok: [127.0.0.1] => (item=nodejs)
ok: [127.0.0.1] => (item=nodered)
ok: [127.0.0.1] => (item=nextcloud)
ok: [127.0.0.1] => (item=wordpress)
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ok: [127.0.0.1] => (item=kolibri)
ok: [127.0.0.1] => (item=kiwix)
ok: [127.0.0.1] => (item=postgresql)
ok: [127.0.0.1] => (item=moodle)
ok: [127.0.0.1] => (item=mongodb)
ok: [127.0.0.1] => (item=sugarizer)
ok: [127.0.0.1] => (item=osm_vector_maps)
ok: [127.0.0.1] => (item=transmission)
ok: [127.0.0.1] => (item=awstats)
ok: [127.0.0.1] => (item=monit)
ok: [127.0.0.1] => (item=munin)
ok: [127.0.0.1] => (item=phpmyadmin)
ok: [127.0.0.1] => (item=vnstat)
ok: [127.0.0.1] => (item=yarn)
ok: [127.0.0.1] => (item=captiveportal)
ok: [127.0.0.1] => (item=internetarchive)
ok: [127.0.0.1] => (item=minetest)
ok: [127.0.0.1] => (item=calibreweb)
ok: [127.0.0.1] => (item=calibre)
ok: [127.0.0.1] => (item=pbx)
ok: [127.0.0.1] => (item=network)

```

TASK [0-init : DISALLOW "XYZ\_install: False" WHEN "XYZ\_installed is defined" IN /etc/iab/iab\_state.yml

...for up-to-43 var pairs] \*\*\*

```

ok: [127.0.0.1] => (item=hostapd)
ok: [127.0.0.1] => (item=dnsmasq)
ok: [127.0.0.1] => (item=bluetooth)
ok: [127.0.0.1] => (item=sshd)
ok: [127.0.0.1] => (item=openvpn)
ok: [127.0.0.1] => (item=remotet)
ok: [127.0.0.1] => (item=admin_console)
ok: [127.0.0.1] => (item=squid)
ok: [127.0.0.1] => (item=cups)
ok: [127.0.0.1] => (item=samba)
ok: [127.0.0.1] => (item=usb_lib)
ok: [127.0.0.1] => (item=azuracast)
ok: [127.0.0.1] => (item=gitea)
ok: [127.0.0.1] => (item=jupyterhub)
ok: [127.0.0.1] => (item=lokole)
ok: [127.0.0.1] => (item=mediawiki)
ok: [127.0.0.1] => (item=mosquitto)
skipping: [127.0.0.1] => (item=nodejs)
ok: [127.0.0.1] => (item=nodered)
ok: [127.0.0.1] => (item=nextcloud)
ok: [127.0.0.1] => (item=wordpress)
ok: [127.0.0.1] => (item=kalite)
ok: [127.0.0.1] => (item=kolibri)
ok: [127.0.0.1] => (item=kiwix)
skipping: [127.0.0.1] => (item=postgresql)
ok: [127.0.0.1] => (item=moodle)
skipping: [127.0.0.1] => (item=mongodb)
ok: [127.0.0.1] => (item=sugarizer)
ok: [127.0.0.1] => (item=osm_vector_maps)
ok: [127.0.0.1] => (item=transmission)
ok: [127.0.0.1] => (item=awstats)
ok: [127.0.0.1] => (item=monit)
ok: [127.0.0.1] => (item=munin)
ok: [127.0.0.1] => (item=phpmyadmin)
ok: [127.0.0.1] => (item=vnstat)
skipping: [127.0.0.1] => (item=yarn)
ok: [127.0.0.1] => (item=captiveportal)
ok: [127.0.0.1] => (item=internetarchive)
ok: [127.0.0.1] => (item=minetest)
ok: [127.0.0.1] => (item=calibreweb)
ok: [127.0.0.1] => (item=calibre)
ok: [127.0.0.1] => (item=pbx)
ok: [127.0.0.1] => (item=network)

```

TASK [0-init : DISALLOW "XYZ\_install: True" if deprecated] \*\*\*\*\*

```

ok: [127.0.0.1] => (item=dhcpd)
ok: [127.0.0.1] => (item=named)
ok: [127.0.0.1] => (item=wondershaper)
ok: [127.0.0.1] => (item=dansguardian)

```

```

TASK [0-init : Time Zone / TZ: Set symlink /etc/localtime to UTC if it doesn't exist?] ***
included: /opt/iiab/iiab/roles/0-init/tasks/tz.yml for 127.0.0.1

TASK [0-init : 'local_tz: BST' was set by ansible_date_time.tz in /opt/iiab/iiab/vars/default_vars.yml --
e.g. if Ansible finds symlink /etc/localtime -> ../usr/share/zoneinfo/America/New_York -- it will simplify
that to 'EDT' (in the summer) or 'EST' (in the winter)] ***
changed: [127.0.0.1]

TASK [0-init : Create symlink /etc/localtime if it doesn't exist, by running 'timedatectl set-timezone UTC'
-- THIS ALL MIGHT NO LONGER BE NEC IN 2021, AS ANSIBLE CORRECTLY NOW INTERPRETS THE ABSENCE OF /etc/localtime
AS 'UTC' -- PER https://www.freedesktop.org/software/systemd/man/localtime.html] ***
ok: [127.0.0.1]

TASK [0-init : Symlink /etc/localtime points to which TZ?] *****
changed: [127.0.0.1]

TASK [0-init : /etc/localtime now specifies: Europe/London] *****
changed: [127.0.0.1]

TASK [0-init : Set hostname / domain (etc) in various places] *****
included: /opt/iiab/iiab/roles/0-init/tasks/hostname.yml for 127.0.0.1

TASK [0-init : Set 'iiab_fqdn: box.lan'] *****
ok: [127.0.0.1]

TASK [0-init : Does /etc/cloud/cloud.cfg exist e.g. is this Ubuntu Server 18+ ?] ***
ok: [127.0.0.1]

TASK [0-init : If so, ensure 'preserve_hostname: true' is in /etc/cloud/cloud.cfg] ***
skipping: [127.0.0.1]

TASK [0-init : Set /etc/hostname by running: hostnamectl set-hostname "box"] ***
changed: [127.0.0.1]

TASK [0-init : Put FQDN & hostnames in /etc/hosts: "127.0.0.1 box.lan localhost.localdomain localhost box box
box.lan"] ***
ok: [127.0.0.1]

TASK [0-init : Also set 'FQDN_changed: True' -- if iiab_fqdn != ansible_fqdn (box.lan)] ***
skipping: [127.0.0.1]

TASK [0-init : Add 'runtime' variable values to /etc/iiab/iiab.ini] *****
ok: [127.0.0.1] => (item={'option': 'iiab_stage', 'value': '9'})
ok: [127.0.0.1] => (item={'option': 'iiab_base_ver', 'value': '8.0'})
ok: [127.0.0.1] => (item={'option': 'iiab_revision', 'value': '0'})
ok: [127.0.0.1] => (item={'option': 'iiab_remote_url', 'value': 'https://github.com/iiab/iiab'})
ok: [127.0.0.1] => (item={'option': 'runtime_branch', 'value': 'master'})
ok: [127.0.0.1] => (item={'option': 'runtime_commit', 'value': '2efd7c01982ccecfc1297ae2bc93087172b38c2a'})
ok: [127.0.0.1] => (item={'option': 'iiab_recent_tag', 'value': '8.0-preview-2'})
changed: [127.0.0.1] => (item={'option': 'runtime_date', 'value': '2022-07-28T19:11:48Z'})
ok: [127.0.0.1] => (item={'option': 'ansible_version', 'value': '2.13.2'})
ok: [127.0.0.1] => (item={'option': 'kernel', 'value': '5.4.0-122-generic'})
ok: [127.0.0.1] => (item={'option': 'memory_mb', 'value': '3892'})
ok: [127.0.0.1] => (item={'option': 'swap_mb', 'value': '2047'})
ok: [127.0.0.1] => (item={'option': 'rpi_model', 'value': 'none'})
ok: [127.0.0.1] => (item={'option': 'devicetree_model', 'value': 'none'})
ok: [127.0.0.1] => (item={'option': 'first_run', 'value': False})
ok: [127.0.0.1] => (item={'option': 'local_tz', 'value': 'BST'})
ok: [127.0.0.1] => (item={'option': 'etc localtime.stdout', 'value': 'Europe/London'})
ok: [127.0.0.1] => (item={'option': 'FQDN_changed', 'value': False})

TASK [0-init : Add 'runtime' variable 'is_VM' value if defined, to /etc/iiab/iiab.ini] ***
skipping: [127.0.0.1] => (item={'option': 'is_VM', 'value': 'yes'})

TASK [0-init : STAGE 0 HAS COMPLETED =====] ***

TASK [Select RPi firmware mode] *****
skipping: [127.0.0.1]

TASK [network : detected_network] *****
included: /opt/iiab/iiab/roles/network/tasks/detected_network.yml for 127.0.0.1

TASK [network : Do we have a gateway? If 'ip route' specifies a default route, Ansible parses details
here...] ***
ok: [127.0.0.1] => {
  "ansible_default_ipv4": {
    "address": "192.168.0.31",
    "alias": "enp9s0",
    "broadcast": "192.168.0.255",
    "gateway": "192.168.0.1",
    "interface": "enp9s0",
    "macaddress": "00:25:64:62:79:0f",
    "mtu": 1500,
  }
}

```

```
        "netmask": "255.255.255.0",
        "network": "192.168.0.0",
        "prefix": "24",
        "type": "ether"
    }
}
```

```
TASK [network : If above ansible_default_ipv4.gateway is defined, set WAN candidate 'discovered_wan_iface:
enp9s0' -- using ansible_default_ipv4.alias] ***
ok: [127.0.0.1]
```

```
TASK [network : Interface count] *****
changed: [127.0.0.1]
```

```
TASK [network : We're hosed no work interfaces] *****
skipping: [127.0.0.1]
```

```
TASK [network : Checking for old device gateway interface for device test] ****
changed: [127.0.0.1]
```

```
TASK [network : Setting device_gw, prior_gw_device] *****
ok: [127.0.0.1]
```

```
TASK [network : Setting WAN, device_gw if detected] *****
ok: [127.0.0.1]
```

```
TASK [network : Setting dhcpd_test results] *****
ok: [127.0.0.1]
```

```
TASK [network : Set 'systemd_networkd_active: True' if local_facts.systemd_networkd confirms] ***
ok: [127.0.0.1]
```

```
TASK [network : Setting network_manager results] *****
ok: [127.0.0.1]
```

```
TASK [network : Check /etc/network/interfaces for gateway] *****
changed: [127.0.0.1]
```

```
TASK [network : Setting wan_in_interfaces] *****
skipping: [127.0.0.1]
```

```
TASK [network : Look for any wireless interfaces] *****
ok: [127.0.0.1]
```

```
TASK [network : Set the discovered wireless, if found] *****
ok: [127.0.0.1] => (item=wlp12s0)
```

```
TASK [network : Look for any wireless interfaces (take 2)] *****
ok: [127.0.0.1]
```

```
TASK [network : Set the discovered wireless, if found (take 2)] *****
ok: [127.0.0.1] => (item=wlp12s0)
```

```
TASK [network : Count WiFi ifaces] *****
changed: [127.0.0.1]
```

```
TASK [network : Remember number of WiFi devices] *****
ok: [127.0.0.1]
```

```
TASK [network : Run 'iw list' to check for Access Point capability] *****
changed: [127.0.0.1]
```

```
TASK [network : Set can_be_ap if 'iw list' output contains suitable '* AP'] ****
ok: [127.0.0.1]
```

```
TASK [network : Detect wifi gateway active] *****
changed: [127.0.0.1]
```

```
TASK [network : Set has_wifi_gateway if WiFi has default gateway detected for wlp12s0] ***
ok: [127.0.0.1]
```

```
TASK [network : Detect secondary gateway active on all interfaces] *****
ok: [127.0.0.1]
```

```
TASK [network : Set exclude_devices if default gateway has been detected for wlp12s0] ***
ok: [127.0.0.1]
```

```
TASK [network : Exclude reserved Network Adapter if defined - takes adapter name] ***
skipping: [127.0.0.1]
```

```
TASK [network : Count LAN ifaces] *****
changed: [127.0.0.1]
```

```
TASK [network : Calculate number of LAN interfaces including WiFi] *****
ok: [127.0.0.1]
```

```
TASK [network : Create list of LAN (non WAN) ifaces] *****
skipping: [127.0.0.1]

TASK [network : Set discovered_wired_iface if present] *****
skipping: [127.0.0.1]

TASK [network : Set iiab_wireless_lan_iface to wlp12s0 if not none] *****
skipping: [127.0.0.1]

TASK [network : Set iiab_wireless_lan_iface to ap0 if WiFi device is present] ***
ok: [127.0.0.1]

TASK [network : Set iiab_wired_lan_iface if present] *****
skipping: [127.0.0.1]

TASK [network : 2 or more devices on the LAN - use bridging] *****
skipping: [127.0.0.1]

TASK [network : For Debian, always use bridging] *****
skipping: [127.0.0.1]

TASK [network : WiFi is on the LAN - use bridging] *****
ok: [127.0.0.1]

TASK [network : Setting wired LAN as only interface - RPi] *****
skipping: [127.0.0.1]

TASK [network : Setting wireless LAN as only interface - RPi] *****
skipping: [127.0.0.1]

TASK [network : In VM disable LAN - needs local_vars entry to activate] *****
skipping: [127.0.0.1]

TASK [network : Has old gateway and no discovered gateway setting WAN] *****
skipping: [127.0.0.1]

TASK [network : Add 'detected_network' variable values to /etc/iiab/iiab.ini] ***
ok: [127.0.0.1] => (item={'option': 'has_ifcfg_gw', 'value': 'none'})
changed: [127.0.0.1] => (item={'option': 'prior_gateway_device', 'value': 'enp9s0'})
ok: [127.0.0.1] => (item={'option': 'dhcpcd_result', 'value': 'none'})
ok: [127.0.0.1] => (item={'option': 'network_manager_active', 'value': True})
ok: [127.0.0.1] => (item={'option': 'systemd_networkd_active', 'value': True})
ok: [127.0.0.1] => (item={'option': 'wan_in_interfaces', 'value': False})
changed: [127.0.0.1] => (item={'option': 'wireless_list_1(wifi1)', 'value': 'wlp12s0'})
ok: [127.0.0.1] => (item={'option': 'wireless_list_2(wifi2)', 'value': 'wlp12s0'})
ok: [127.0.0.1] => (item={'option': 'num_wifi_interfaces', 'value': '1'})
ok: [127.0.0.1] => (item={'option': 'discovered_wireless_iface', 'value': 'wlp12s0'})
ok: [127.0.0.1] => (item={'option': 'discovered_wired_iface', 'value': 'none'})
changed: [127.0.0.1] => (item={'option': 'exclude_devices', 'value': 'wlp12s0'})
changed: [127.0.0.1] => (item={'option': 'num_lan_interfaces', 'value': '0'})
ok: [127.0.0.1] => (item={'option': 'gui_static_wan', 'value': False})
ok: [127.0.0.1] => (item={'option': 'iiab_lan_iface', 'value': 'br0'})
ok: [127.0.0.1] => (item={'option': 'iiab_wan_iface', 'value': 'enp9s0'})
ok: [127.0.0.1] => (item={'option': 'can_be_ap', 'value': True})

TASK [network : I'm not guessing declare gateway please] *****
skipping: [127.0.0.1]

TASK [network : Set 'no_net_restart: True' if has_wifi_gateway is defined] ****
ok: [127.0.0.1]

TASK [network : computed_network] *****
included: /opt/iiab/iiab/roles/network/tasks/computed_network.yml for 127.0.0.1

TASK [network : gui-static-wan] *****
ok: [127.0.0.1]

TASK [network : Undo gui-static-wan by requesting new template file] *****
ok: [127.0.0.1]

TASK [network : Using GUI_STATIC info] *****
skipping: [127.0.0.1]

TASK [network : Checking iiab_wan_enabled] *****
skipping: [127.0.0.1]

TASK [network : Setting GUI wants 'LanController'] *****
skipping: [127.0.0.1]

TASK [network : Setting user_lan_iface for 'LanController' for single interface] ***
skipping: [127.0.0.1]

TASK [network : Setting user WAN fact] *****
skipping: [127.0.0.1]
```



```
TASK [network : Checking iiab_lan_enabled] *****
skipping: [127.0.0.1]

TASK [network : Setting GUI wants 'Appliance'] *****
skipping: [127.0.0.1]

TASK [network : Setting GUI wants and has active 'Gateway'] *****
ok: [127.0.0.1]

TASK [network : Use old gateway device info if not detected and using static ip] ***
skipping: [127.0.0.1]

TASK [network : No LAN configured - 'Appliance' mode] *****
skipping: [127.0.0.1]

TASK [network : LAN configured - 'LanController' mode] *****
skipping: [127.0.0.1]

TASK [network : LAN configured - 'Gateway' mode] *****
ok: [127.0.0.1]

TASK [network : Setting user LAN fact] *****
skipping: [127.0.0.1]

TASK [network : Record IIAB_WAN_DEVICE=enp9s0 to /etc/iiab/iiab.env] *****
ok: [127.0.0.1]

TASK [network : Record IIAB_LAN_DEVICE=br0 to /etc/iiab/iiab.env] *****
ok: [127.0.0.1]

TASK [network : Record 'IIAB_GATEWAY_ENABLED=False' in /etc/iiab/iiab.env] ****
ok: [127.0.0.1]

TASK [network : Add 'computed_network' variable values to /etc/iiab/iiab.ini] ***
ok: [127.0.0.1] => (item={'option': 'iiab_wan_enabled', 'value': True})
ok: [127.0.0.1] => (item={'option': 'user_wan_iface', 'value': 'enp9s0'})
ok: [127.0.0.1] => (item={'option': 'iiab_wan_iface', 'value': 'enp9s0'})
ok: [127.0.0.1] => (item={'option': 'iiab_lan_enabled', 'value': True})
ok: [127.0.0.1] => (item={'option': 'user_lan_iface', 'value': 'auto'})
ok: [127.0.0.1] => (item={'option': 'iiab_lan_iface', 'value': 'br0'})
ok: [127.0.0.1] => (item={'option': 'iiab_network_mode', 'value': 'Gateway'})
ok: [127.0.0.1] => (item={'option': 'network_enabled', 'value': True})

TASK [network : Install /usr/bin/iiab-hotspot-on|off from template (root:root by default)] ***
ok: [127.0.0.1] => (item=hostapd/iiab-hotspot-on)
ok: [127.0.0.1] => (item=hostapd/iiab-hotspot-off)

TASK [network : Install network packages (including many WiFi tools, and also iptables-persistent for
firewall)] ***
skipping: [127.0.0.1]

TASK [network : hostapd] *****
included: /opt/iiab/iiab/roles/network/tasks/hostapd.yml for 127.0.0.1

TASK [network : Disable hostapd when not using ap0 and wifi gateway present, or no WiFi hardware present or
support not detected] ***
skipping: [127.0.0.1]

TASK [network : Disable the Access Point 'hostapd' service] *****
skipping: [127.0.0.1]

TASK [network : Detect current Wifi channel] *****
changed: [127.0.0.1]

TASK [network : Setting WiFi channel to] *****
skipping: [127.0.0.1]

TASK [network : Generate new random mac address for ap0] *****
changed: [127.0.0.1]

TASK [network : Setting ap0 mac address for use in hostapd service file] *****
ok: [127.0.0.1]

TASK [network : Use custom 'hostapd' systemd service unit file using ap0 -- install from template:
/etc/systemd/system/hostapd.service, /etc/systemd/system/iiab-clone-wifi.service, /etc/systemd/system/iiab-
wifi-test.service, /usr/sbin/iiab-test-wifi] ***
ok: [127.0.0.1] => (item={'src': 'hostapd/hostapd.service.j2', 'dest': '/etc/systemd/system/hostapd.service',
'mode': '0644'})
changed: [127.0.0.1] => (item={'src': 'hostapd/iiab-clone-wifi.service.j2', 'dest': '/etc/systemd/system
/iiab-clone-wifi.service', 'mode': '0644'})
ok: [127.0.0.1] => (item={'src': 'hostapd/iiab-wifi-test.service.j2', 'dest': '/etc/systemd/system/iiab-wifi-
test.service', 'mode': '0644'})
ok: [127.0.0.1] => (item={'src': 'hostapd/iiab-test-wifi.j2', 'dest': '/usr/sbin/iiab-test-wifi', 'mode':
'0755'})
```



```
TASK [network : Use custom 'hostapd' systemd service unit file for wlp12s0 when not wifi_up_down] ***
skipping: [127.0.0.1]
```

```
TASK [network : Create dhcpcd hook for hostapd and ap0 when wifi_up_down True] ***
skipping: [127.0.0.1]
```

```
TASK [network : Remove dhcpcd hook for hostapd if WiFi is not split using ap0] ***
skipping: [127.0.0.1]
```

```
TASK [network : Create networkd-dispatcher diagnostic hook for recording network events] ***
ok: [127.0.0.1] => (item={'src': 'hostapd/00-iiab-debug', 'dest': '/etc/networkd-dispatcher/carrier.d/00-iiab-debug'})
ok: [127.0.0.1] => (item={'src': 'hostapd/00-iiab-debug', 'dest': '/etc/networkd-dispatcher/degraded.d/00-iiab-debug'})
ok: [127.0.0.1] => (item={'src': 'hostapd/00-iiab-debug', 'dest': '/etc/networkd-dispatcher/dormant.d/00-iiab-debug'})
ok: [127.0.0.1] => (item={'src': 'hostapd/00-iiab-debug', 'dest': '/etc/networkd-dispatcher/no-carrier.d/00-iiab-debug'})
ok: [127.0.0.1] => (item={'src': 'hostapd/00-iiab-debug', 'dest': '/etc/networkd-dispatcher/off.d/00-iiab-debug'})
ok: [127.0.0.1] => (item={'src': 'hostapd/00-iiab-debug', 'dest': '/etc/networkd-dispatcher/routable.d/00-iiab-debug'})
```

```
TASK [network : Create networkd-dispatcher hook for hostapd wifi_up_down True] ***
ok: [127.0.0.1] => (item={'src': 'hostapd/netd-disp', 'dest': '/etc/networkd-dispatcher/carrier.d/iiab-wifi'})
ok: [127.0.0.1] => (item={'src': 'hostapd/netd-disp', 'dest': '/etc/networkd-dispatcher/no-carrier.d/iiab-wifi'})
ok: [127.0.0.1] => (item={'src': 'hostapd/netd-disp2', 'dest': '/etc/networkd-dispatcher/routable.d/iiab-wifi2'})
```

```
TASK [network : Remove networkd-dispatcher hook wifi_up_down False] *****
skipping: [127.0.0.1] => (item={'dest': '/etc/networkd-dispatcher/carrier.d/iiab-wifi'})
skipping: [127.0.0.1] => (item={'dest': '/etc/networkd-dispatcher/no-carrier.d/iiab-wifi'})
skipping: [127.0.0.1] => (item={'dest': '/etc/networkd-dispatcher/routable.d/iiab-wifi'})
skipping: [127.0.0.1] => (item={'dest': '/etc/networkd-dispatcher/routable.d/iiab-wifi2'})
```

```
TASK [network : Enable the Access Point 'hostapd' service] *****
skipping: [127.0.0.1]
```

```
TASK [network : Disable ap0 related services] *****
skipping: [127.0.0.1] => (item=iiab-clone-wifi.service)
skipping: [127.0.0.1] => (item=iiab-wifi-test.service)
```

```
TASK [network : Enable the Access Point 'hostapd' and ap0 related services] ***
ok: [127.0.0.1] => (item=hostapd.service)
ok: [127.0.0.1] => (item=iiab-clone-wifi.service)
ok: [127.0.0.1] => (item=iiab-wifi-test.service)
```

```
TASK [network : Record HOSTAPD_ENABLED to /etc/iiab/iiab.env] *****
ok: [127.0.0.1]
```

```
TASK [network : computed_services] *****
included: /opt/iiab/iiab/roles/network/tasks/computed_services.yml for 127.0.0.1
```

```
TASK [network : No LAN configured - 'Appliance' mode] *****
skipping: [127.0.0.1]
```

```
TASK [network : LAN configured - 'LanController' mode] *****
skipping: [127.0.0.1]
```

```
TASK [network : LAN configured - 'Gateway' mode] *****
ok: [127.0.0.1]
```

```
TASK [network : Add 'network' variable values (from computed_services.yml) to /etc/iiab/iiab.ini] ***
ok: [127.0.0.1] => (item={'option': 'iiab_network_mode_applied', 'value': 'Gateway'})
ok: [127.0.0.1] => (item={'option': 'dnsmasq_enabled', 'value': True})
changed: [127.0.0.1] => (item={'option': 'no_net_restart', 'value': True})
ok: [127.0.0.1] => (item={'option': 'hostapd_enabled', 'value': True})
ok: [127.0.0.1] => (item={'option': 'host_ssid', 'value': 'Internet in a Box'})
ok: [127.0.0.1] => (item={'option': 'host_wifi_mode', 'value': 'g'})
ok: [127.0.0.1] => (item={'option': 'host_channel', 'value': 6})
```

```
TASK [network : Add 'network' variable 'current_client_channel' value if defined, to /etc/iiab/iiab.ini] ***
ok: [127.0.0.1] => (item={'option': 'client_wifi_channel', 'value': ''})
```

```
TASK [network : enable_services] *****
included: /opt/iiab/iiab/roles/network/tasks/enable_services.yml for 127.0.0.1
```

```
TASK [network : Install /etc/dnsmasq.d/iiab.conf from template, when dnsmasq_enabled and isn't Appliance] ***
ok: [127.0.0.1]
```

```
TASK [network : Install /etc/hosts.dnsmasq from template for /etc/dnsmasq.d/iiab.conf (instead of using /etc/hosts)] ***
```

```
ok: [127.0.0.1]

TASK [network : Update /etc/dnsmasq.d/dnsmasq-iiab for custom dns setting] *****
ok: [127.0.0.1]

TASK [network : Check if /etc/networkd-dispatcher/routable.d exists] *****
ok: [127.0.0.1]

TASK [network : To restart dnsmasq whenever br0 comes up, install /etc/networkd-dispatcher/
routable.d/dnsmasq.sh from template (if isn't Appliance, and directory /etc/networkd-dispatcher/routable.d
exists, i.e. OS's like Ubuntu 18.04 or later) (root:root by default)] ***
ok: [127.0.0.1]

TASK [network : Remove /etc/dnsmasq.d/iiab.conf, when is Appliance] *****
skipping: [127.0.0.1]

TASK [network : Enable iiab-dnsmasq systemd service, if dnsmasq_enabled] *****
ok: [127.0.0.1]

TASK [network : Disable iiab-dnsmasq, if not dnsmasq_enabled] *****
skipping: [127.0.0.1]

TASK [network : Mandate 'HTTPCACHE_ON=True' in /etc/iiab/iiab.env - if squid_install [False] and
squid_enabled [False]] ***
skipping: [127.0.0.1]

TASK [network : Enable systemd service 'squid' - if squid_install and squid_enabled] ***
skipping: [127.0.0.1]

TASK [network : Install /etc/squid/squid.conf from template (root:root, 0644 by default) - and create a
timestamped backup of the original - if squid_install and squid_enabled] ***
skipping: [127.0.0.1]

TASK [network : Disable systemd service '{{ proxy }}' - if (squid_install or squid_installed [{{
squid_installed }}] is defined) and not squid_enabled] ***
skipping: [127.0.0.1]

TASK [network : Revert /etc/iiab/iiab.env to 'HTTPCACHE_ON=False' - if squid_install and not squid_enabled]
***
skipping: [127.0.0.1]

TASK [network : Install clean copy of /usr/bin/iiab-gen-iptables from template (root:root by default)] ***
ok: [127.0.0.1]

TASK [network : Add 'squid' variable values to /etc/iiab/iiab.ini - if squid_installed is defined] ***
skipping: [127.0.0.1] => (item={'option': 'squid_install', 'value': False})
skipping: [127.0.0.1] => (item={'option': 'squid_enabled', 'value': False})

TASK [network : NetworkManager in use] *****
included: /opt/iiab/iiab/roles/network/tasks/NM-debian.yml for 127.0.0.1

TASK [network : Remove stale br0 for NetworkManager] *****
ok: [127.0.0.1]

TASK [network : Copy ap0-manage.conf for NetworkManager] *****
ok: [127.0.0.1]

TASK [network : Copy manage.conf for NetworkManager when wifi_up_down False] ***
skipping: [127.0.0.1]

TASK [network : Remove manage.conf for NetworkManager when wifi_up_down True] ***
ok: [127.0.0.1]

TASK [network : Removing static for NetworkManager] *****
ok: [127.0.0.1]

TASK [network : Static IP computing CIDR] *****
skipping: [127.0.0.1]

TASK [network : Static IP setting CIDR] *****
skipping: [127.0.0.1]

TASK [network : Create uuid for NM's keyfile store static] *****
skipping: [127.0.0.1]

TASK [network : Put the uuid in place] *****
skipping: [127.0.0.1]

TASK [network : Copy static template for NetworkManager] *****
skipping: [127.0.0.1]

TASK [network : Use systemd-networkd to handle br0] *****
skipping: [127.0.0.1]

TASK [network : Reload systemd] *****
```

NAME	UUID	TYPE	DEVICE
Wired connection 1	7eae1869-7276-3359-9890-c92fd208ec28	ethernet	enp9s0
Auto SKY3C17E	803b5db4-e567-4b86-aea0-78882efce608	wifi	wlp12s0
br0	05090b3b-3b95-47b2-8ccf-787fc986ee48	bridge	br0
tun0	71c08020-ca6a-4d1f-9263-a0e70d436da2	tun	tun0
default via 192.168.0.1 dev enp9s0 proto dhcp metric 100			
default via 192.168.0.1 dev wlp12s0 proto dhcp metric 600			
10.8.0.0/18 via 10.8.0.49 dev tun0			

```
10.8.0.1 via 10.8.0.49 dev tun0
10.8.0.49 dev tun0 proto kernel scope link src 10.8.0.50
10.10.10.0/24 dev br0 proto kernel scope link src 10.10.10.10
169.254.0.0/16 dev wlp12s0 scope link metric 1000
192.168.0.0/24 dev enp9s0 proto kernel scope link src 192.168.0.31 metric 100
192.168.0.0/24 dev wlp12s0 proto kernel scope link src 192.168.0.32 metric 600
4: br0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 master br0 br0
```

```
iiab-network run start: Thu 28 Jul 20:11:38 BST 2022
iiab-network run end: Thu 28 Jul 20:13:38 BST 2022
```

Please REBOOT to fully verify your network -- graphical desktops MUST reboot!