

Ruckus AP Remote packet capture to Wireshark

This same procedure will allow you to capture not only from the Wireless interface, but also from the other interfaces Available on the AP.

Informational - nice to know before starting

```
rksccli: get wlanlist
```

name	status	type	wlanID	radioID	bssid
svcp	up	AP	wlan0	0	2c:5d:93:30:5b:48
home	up	AP	wlan1	0	2c:5d:93:70:5b:48
rkcs	up	AP	wlan2	0	2c:5d:93:b0:5b:48
mdfx	down	AP	wlan3	0	00:00:00:00:00:00
wlan4	down	AP	wlan4	0	00:00:00:00:00:00
wlan5	down	AP	wlan5	0	00:00:00:00:00:00
wlan6	down	AP	wlan6	0	00:00:00:00:00:00
wlan100	down	MON	wlan100	0	00:00:00:00:00:00
wlan32	up	AP	wlan32	1	2c:5d:93:30:5b:4c
wlan33	up	AP	wlan33	1	2c:5d:93:70:5b:4c
wlan34	up	AP	wlan34	1	2c:5d:93:b0:5b:4c
wlan35	down	AP	wlan35	1	00:00:00:00:00:00
wlan36	down	AP	wlan36	1	00:00:00:00:00:00
wlan57	down	AP	wlan57	1	00:00:00:00:00:00
wlan58	down	AP	wlan58	1	00:00:00:00:00:00
wlan101	down	MON	wlan101	1	00:00:00:00:00:00

```
OK
rksccli:
```

Command

Note: Monitor (see type column) Interface for 2.4GHz Radio

Note: Monitor (see type column) Interface for 5GHz Radio

Step 1 – AP

Turn streaming on
If you want to capture on 2.4GHz use wlan100
If you want to capture on 5GHz use wlan101

Turn Streaming off

```
rksccli: set capture wlan100 idle
OK
```

ssh into the AP (open remote terminal to AP)
2 commands, set capture, then see the interface status change

```
rksccli: set capture wlan100 stream
```

```
Capturing in 20 MHz channel BW
OK
```

```
rksccli: get wlanlist
```

name	status	type	wlanID	radioID	bssid
svcp	up	AP	wlan0	0	2c:5d:93:30:5b:48
home	up	AP	wlan1	0	2c:5d:93:70:5b:48
rkcs	up	AP	wlan2	0	2c:5d:93:b0:5b:48
mdfx	down	AP	wlan3	0	00:00:00:00:00:00
wlan4	down	AP	wlan4	0	00:00:00:00:00:00
wlan5	down	AP	wlan5	0	00:00:00:00:00:00
wlan6	down	AP	wlan6	0	00:00:00:00:00:00
wlan26	down	AP	wlan26	0	00:00:00:00:00:00
wlan100	up	MON	wlan100	0	00:00:00:00:00:00
wlan32	up	AP	wlan32	1	2c:5d:93:30:5b:4c
wlan33	up	AP	wlan33	1	2c:5d:93:70:5b:4c
wlan34	up	AP	wlan34	1	2c:5d:93:b0:5b:4c
wlan35	down	AP	wlan35	1	00:00:00:00:00:00
wlan57	down	AP	wlan57	1	00:00:00:00:00:00
wlan58	down	AP	wlan58	1	00:00:00:00:00:00
wlan101	down	MON	wlan101	1	00:00:00:00:00:00

```
OK
rksccli:
```

Command 1

Command 2

Note: Monitor (see type column) Interface for 2.4GHz Radio

Note: Monitor (see type column) Interface for 5GHz Radio

Step 2 – AP

Open interface for Wireshark to Connect

Still using AP ssh remote terminal

```
rksccli: get capture wlan100 state
```

```
wlan100: Packet Capture state: stream
OK
```

```
rksccli:
```

Command

```
get capture wlan100 state
```

WLAN to Stream

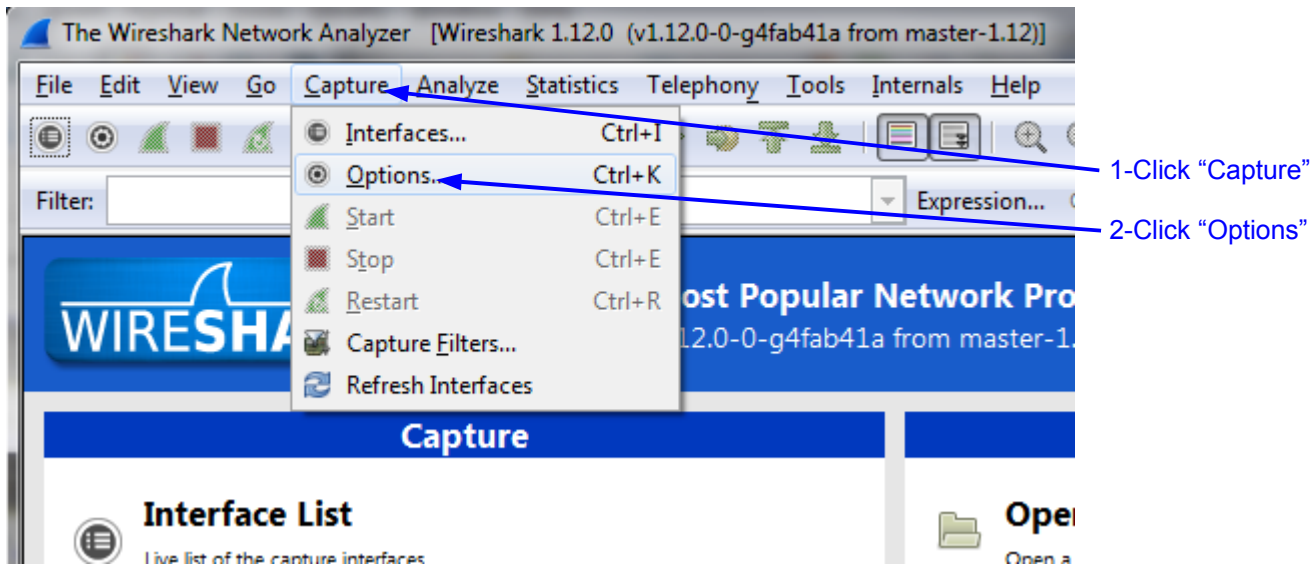
Capture Data

2.4GHz Radio

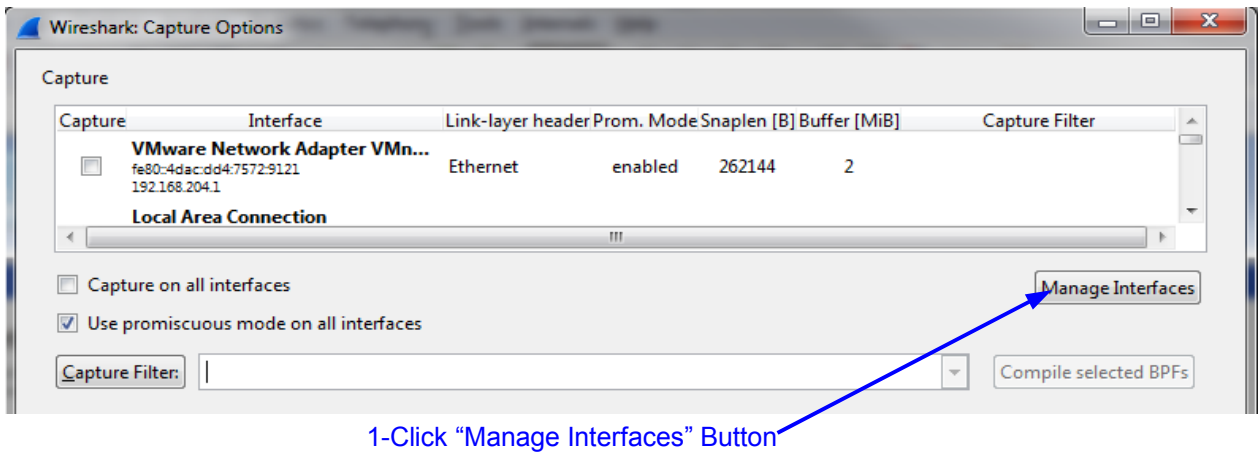
Step 3 – Wireshark

Open Wireshark and configure to gather captures

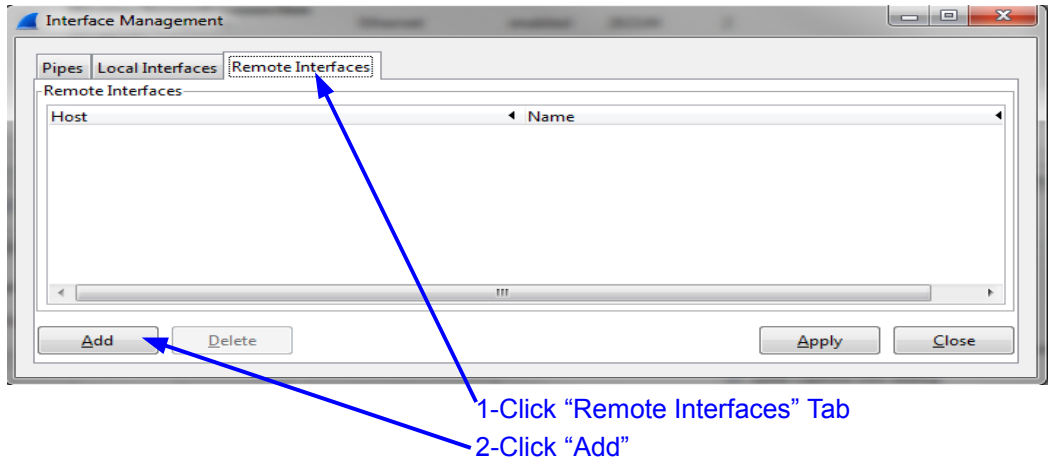
3a) Get into the “Options” menu to setup connection with AP [select “Capture” -> “Options”]



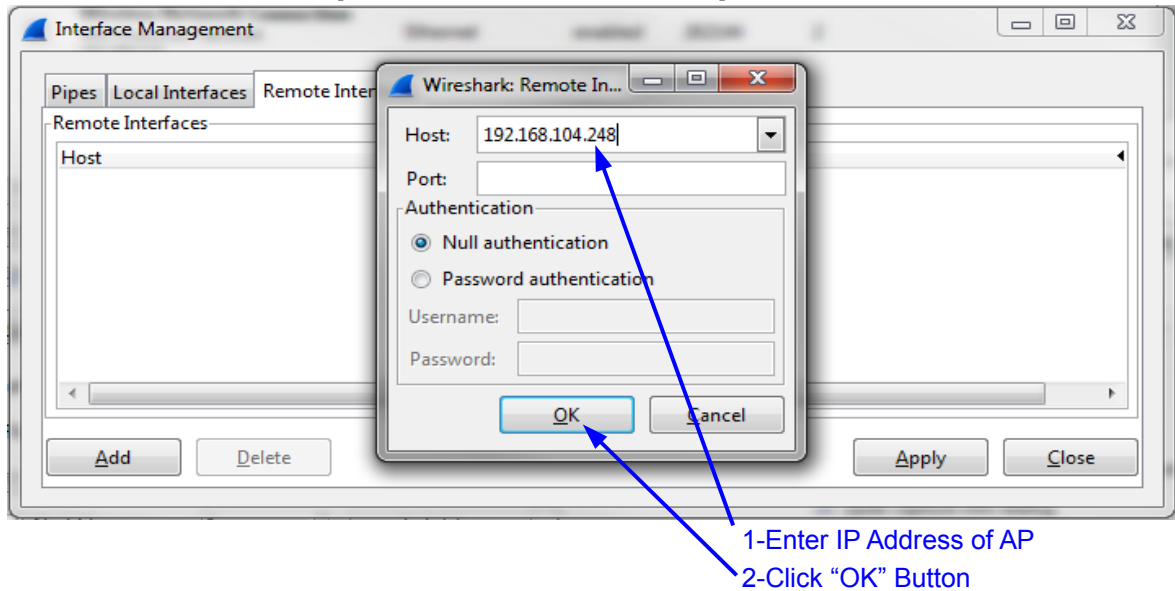
3b) Open the Interfaces Screen to define remote capture AP [select “Manage Interfaces” button]



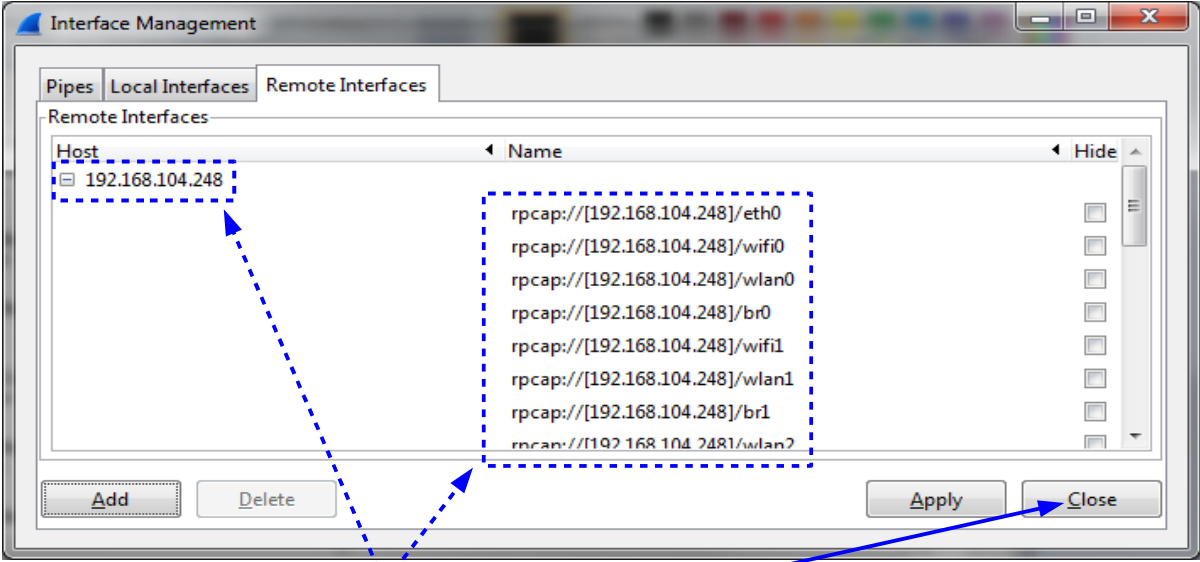
3c) Begin Add Remote interface [select “Remote Interfaces” Tab, Click “Add” button]



3d) Add IP Address of Remote AP [enter IP Address of AP, click OK]



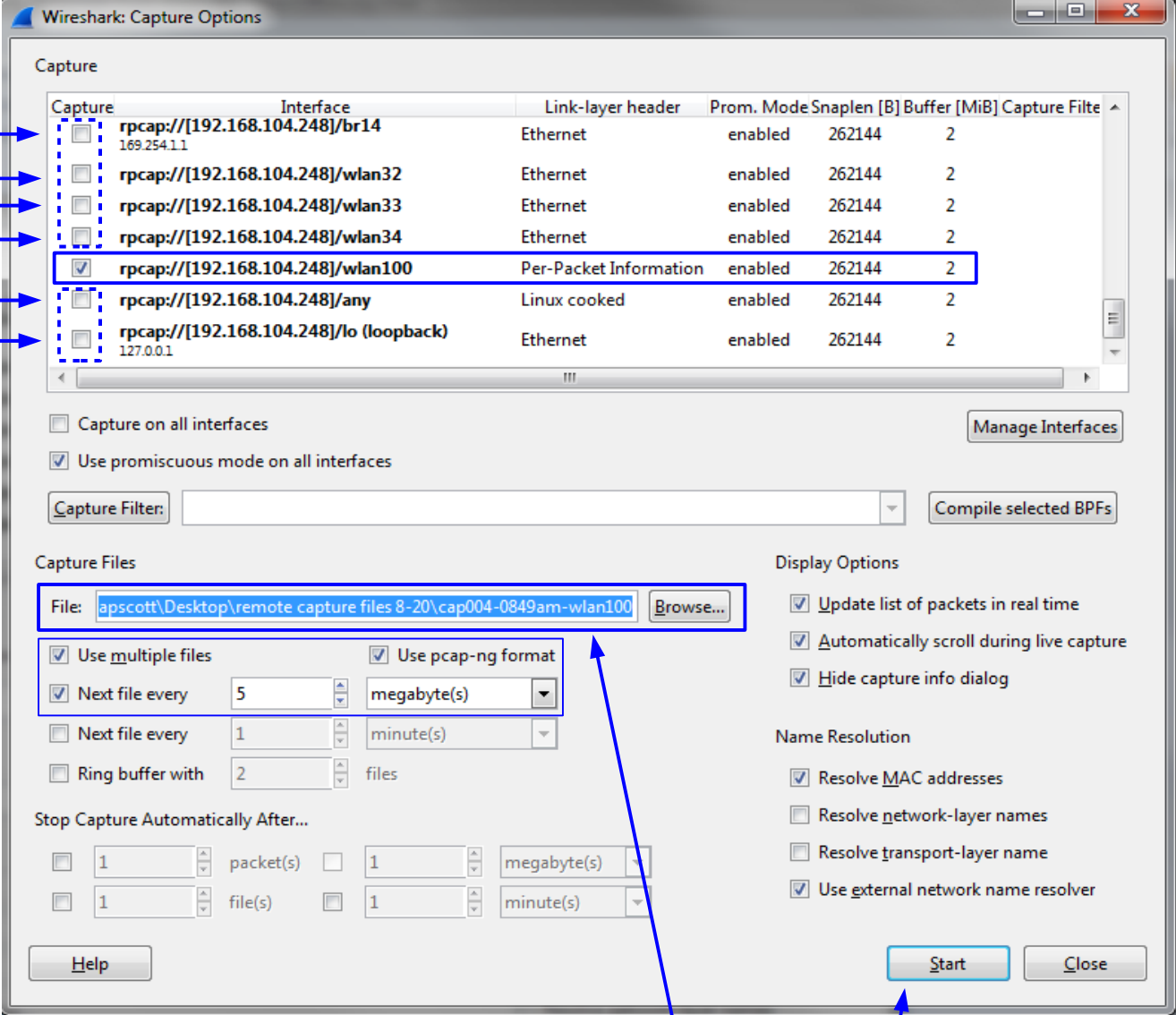
3e) Verify AP interfaces show up in Wireshark [you should see this window, click “Close” button]



1-Verify AP interfaces are displayed

2-Click “Close” Button

3f) Select AP interface to use for Capture, Define File name for Capture Data, I use Multiple files [un-checkmark the interfaces you dont want a capture from, Enter Capture file name, click Start Button]



1- De-Select (remove check mark) of interfaces you dont want

2- Set the File Name and Directory for Capture Data to be saved to

3- Click “Start” Button

Step 4 – AP
Disable Capture from AP

```
rksccli: set capture wlan100 idle
```

OK

Command