

# Packet Capture with Aruba Controller

## Wireshark Settings

Download and install Wireshark to your laptop.

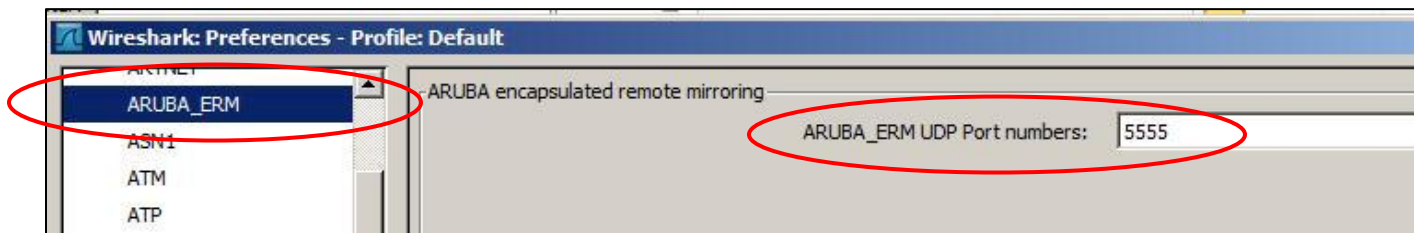
Start Wireshark

From the Wireshark Menu's select "Edit" and open "Preferences"

Open / expand "Protocols"

Scroll down the protocol list to find the "ARUBA\_ERM"

In the ARUBA\_ERM UDP Port numbers field enter the number '5555'



Click "Apply" and "Ok" at the bottom to save the changes.

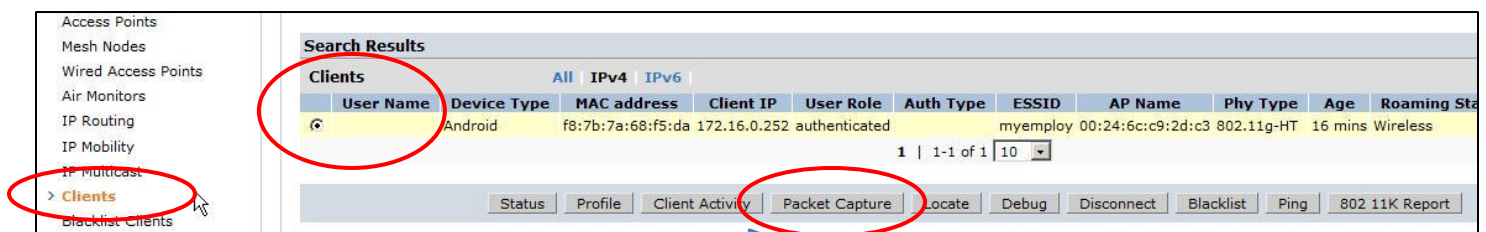
## Controller Settings

Login to the Controller

Go to the Controller "Monitoring" Tab

Select "Clients" in the left hand column

Select the client of interest



Click on "Packet Capture" to display the next screen in the setup.

**Monitoring > Air Monitor: 172.16.0.254 > Packet Capture**

**Search Result**

<input type="checkbox"/>	ID	Type	Radio	Channel	Packets	Status	Target	Filter
None found.								

Refresh Stop Delete Pause Resume New

New Raw Packet Capture [Launch WildPackets](#)

and

- STA IS f8:7b:7a:68:f5:da
- Packet Type IS All

Add Convert Dup Del Target | Start Cancel Toggle

Target IP: 172.16.0.49 Port: 5555 Channel: 1 802.11g

Enter the “Target IP” (IP Address) of the machine running the Wireshark (this example 172.16.0.49) that the AP / Controller will forward the packet capture to.

Enter the “Port” number the packet capture will be mirrored to (this example 5555 – the port number entered into the ARUBA\_ERM field on Wireshark)

Leave all other fields set as default

Select “Start” to begin the packet capture on the Aruba Controller

Select / start “Capture” on the Wireshark (ensure the capture is started on the correct interface)

If necessary enter “wlan” in the Wireshark filter field and click “Apply”

**Capturing from Intel(R) 82577LM Gigabit Network Connection - Wireshark**

File Edit View Go Capture Analyze Statistics Telephony Tools Help

Filter: wlan Expression... Clear Apply

No.	Time	Source	Destination	SrcPort	DestPort	Protocol	Bytes	Info
2399	137.200063	172.16.0.254	172.16.0.49	49153	5555	IEEE 802.11	68	Acknowledgement, F
2400	137.201080	Motorola_68:f5:da	ArubaNet_12:dc:30	49153	5555	IEEE 802.11	82	Null function (No
2401	137.202045	Motorola_68:f5:da	Apple_a2:52:8a	49153	5555	IEEE 802.11	160	QoS Data, SN=42, F
2404	137.841438	Apple_a2:52:8a	Motorola_68:f5:da	49153	5555	IEEE 802.11	160	QoS Data, SN=34, F
2405	138.242514	172.16.0.254	172.16.0.49	49153	5555	IEEE 802.11	68	Acknowledgement, F

To disconnect / stop the capture on the controller

Click to select the current active capture


Click on **Stop**

**Monitoring > Air Monitor: 172.16.0.254 > Packet Capture**

**Search Result**

<input type="checkbox"/>	ID	Type	Radio	Channel	Packets	Status	Target	Filter
<input checked="" type="checkbox"/>	2	INT	80211b/g-HT-20 6		11	in-progress	172.16.0.49/5555	(sta == f8:7b:7a:68:f5:da and ty...

Refresh Stop Delete Pause Resume New

New Raw Packet Capture  [Launch WildPackets](#)