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**Summary:** ARP Functionallity Resolve arp-table updating by getting arp-reply

Description Verify that arp-table updates when it gets an arp-reply

Attachments (requirements, letters, Tables which should be filled):

Capture: ARP.pcap

Log: CLI.log

Version: ARP v1

Setup Description:

PC1 --- router --- Mobile phone

PC1: 192.168.0.151

Mobile Phone: 192.168.0.153

Steps(with ER):

1. Clean arp table

Arp –d <for IP of Mobile phone>

ER: verify that value for Mobile phone is absent

1. Run Wireshark
2. Run ping from PC1 to Mobile phone

ER: ping is running

1. Verify that ARP table with arp –a command

ER: arp-table updating by getting arp-reply

1. Verify that in Wireshark ARP request and ARP reply are present for IP and MAC of Mobile phone

**ARP Test Case**

Preconditions:

1. PC 1 (192.168.0.151) connected via wi-fi through router to the Mobile phone (192.168.0.153)

Steps:

|  |  |  |
| --- | --- | --- |
| 1 | Clean arp table | Arp table is cleaned, verifying by command arp -a |
| 2 | Run Wireshark | Wireshark is running |
| 3 | Run ping from PC1 to Mobile phone | Ping from PC1 to Mobile phone in process |
| 4 | Verify ARP table with arp –a command | Just verified with terminal |
| 5 | Verify that arp-table updates when it gets an arp-reply | In this screenshot we can see in wireshark that arp table gets arp-reply from Mobile phone (192.168.0.153)    , so it updates in terminal |