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ARP Lab Overview

View your ARP Table:

1. First you want to connect to eRouter 1 and view your ARP table. What command will do this?

eRouter#show arp

2. Next you need to assign an IP address of 10.1.1.1 /24 to the Ethernet 0 interface.

eRouter(config-if)#exit

3. Now view your ARP table again. How many entries do you have now?

eRouter#show arp

4. Select eRouter2 from the button menu.

5. Set eRouter 2's Ethernet 0 interface IP address to 10.1.1.2 /24

eeRouter(config-if)#exit

6. You should now have a connection between your eRouter 1 and eRouter 2 Ethernet interfaces. To ensure that the connection is functional ping your eRouter 1 Ethernet 0 IP address.

eRouter# ping 10.1.1.1

7. Now view your ARP table and notice the entry. What address is it and how was it learned?

eRouter#show arp

8. Now that you have built an ARP table go ahead and clear it.

eRouter#clear arp

9. View your ARP table one last time and notice what entries are there.

eRouter#show arp

ARP TABLE LAB

1. First you want to connect to eRouter 1 and view your ARP table what command will do this?

show arp

2. Next you need to assign an IP address of 10.1.1.1 /24 to the Ethernet 0 interface. What command will set the IP address on your Ethernet interface?

```
conf t
interface Ethernet0
ip address 10.1.1.1 255.255.255.0
no shutdown
exit
```

3. Now view your ARP table again. How many entries do you have now? 1
4. Select eRouter2 from the button menu.
5. Set eRouter 2's Ethernet 0 interface IP address to 10.1.1.2 /24
6. You should now have a connection between your eRouter 1 and eRouter 2 Ethernet interfaces. To ensure that the connection is functional ping your eRouter1 Ethernet 0 IP address. What address did you ping? 10.1.1.1
7. Now view your ARP table and notice the entry. What address is it and how was it learned?
ARPA
8. Now that you have built an ARP table go ahead and clear it. What command will clear the ARP table? clear arp
9. View your ARP table one last time and notice what entries are there. How many entries do you have? 2

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