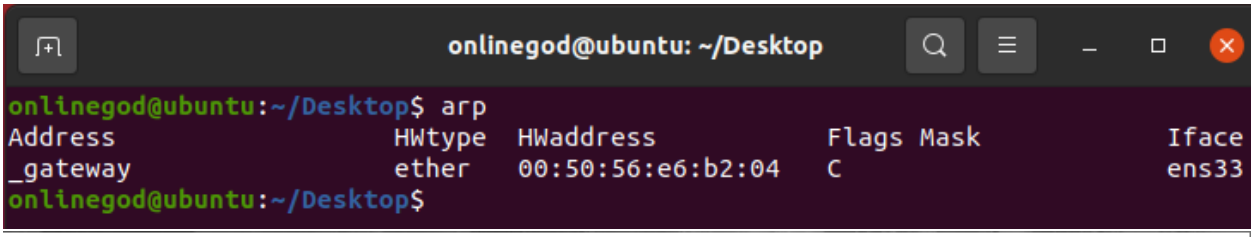
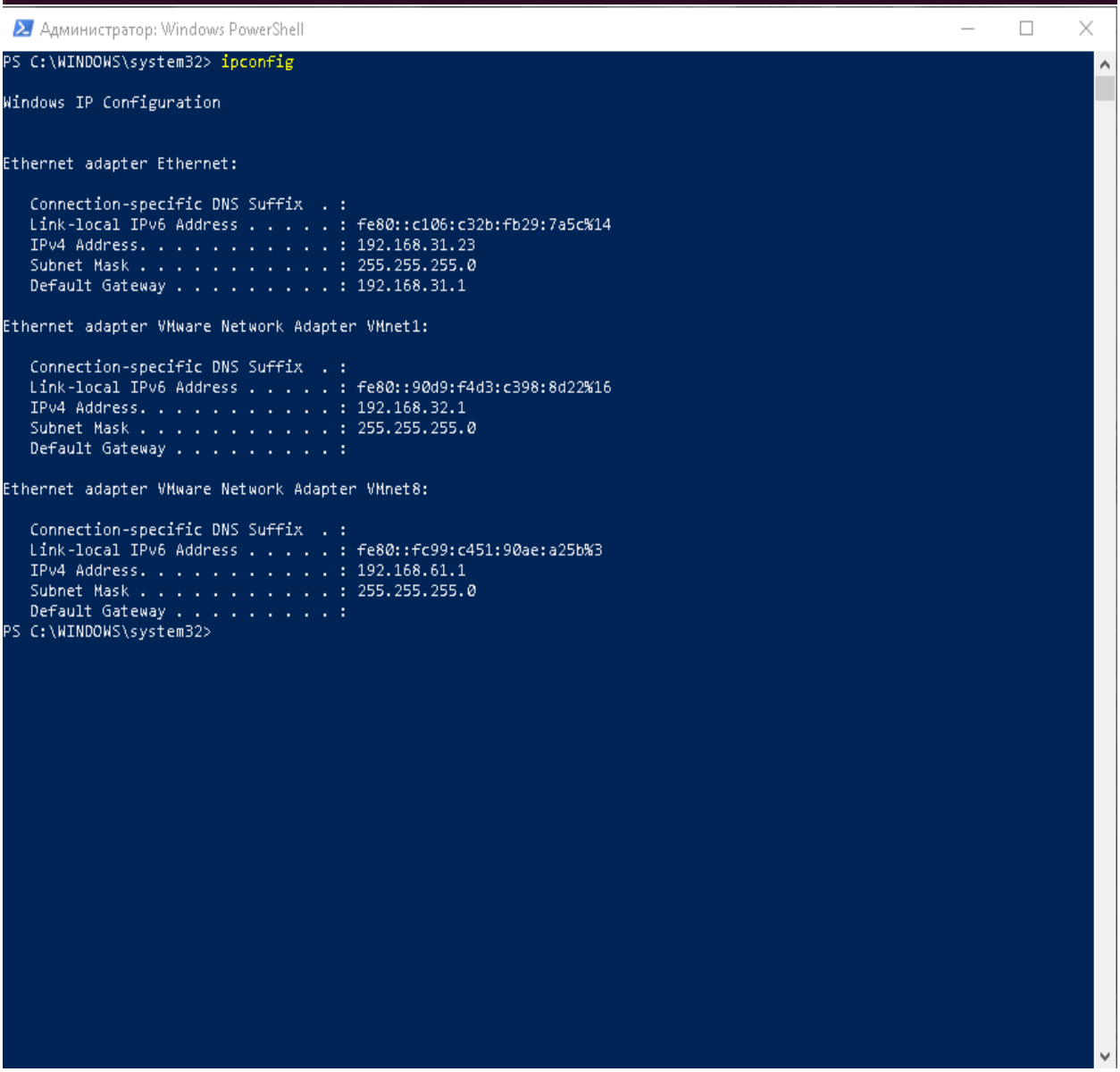
Summary: ARP Functionality

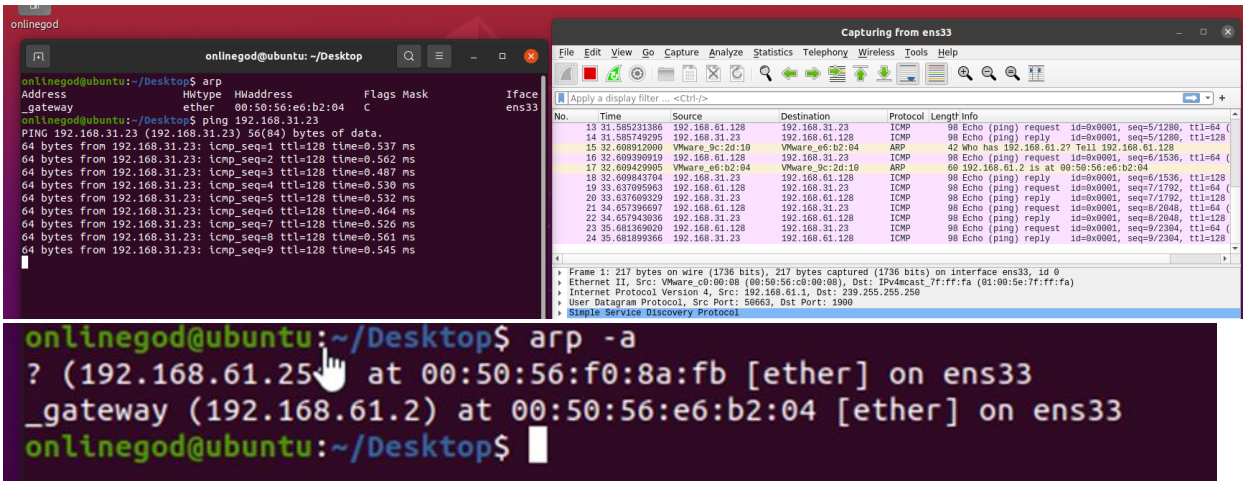
Test designed by Rustamov Arsen from IB-93 on 01.10.2022

Description: Verify that **ARP** protocol update arp table

Attachments:







Version: **ARP** v1

Setup Description:

PC1-----ethernet1-----PC2

PC1: 192.168.61.128

PC2: 192.168.31.23

Steps (with ER):

1. Check arp table

   arp -a <for PC1>

   ER: verify that arp table (cache) has no information about PC2

2. Check IP address of PC2
   ipconfig <for PC2>
   ER: ip of PC2 is shown in PowerShell

3. Run Wireshark for ethernet1

4. Run ping from PC1 to PC2

   ER: ping is running

5. Verify that ARP request and ARP reply are present for IP and MAC of PC2 in Wireshark

6. Check arp table one more time

   arp -a <for PC1>

ER: verify that arp table now has information about PC2