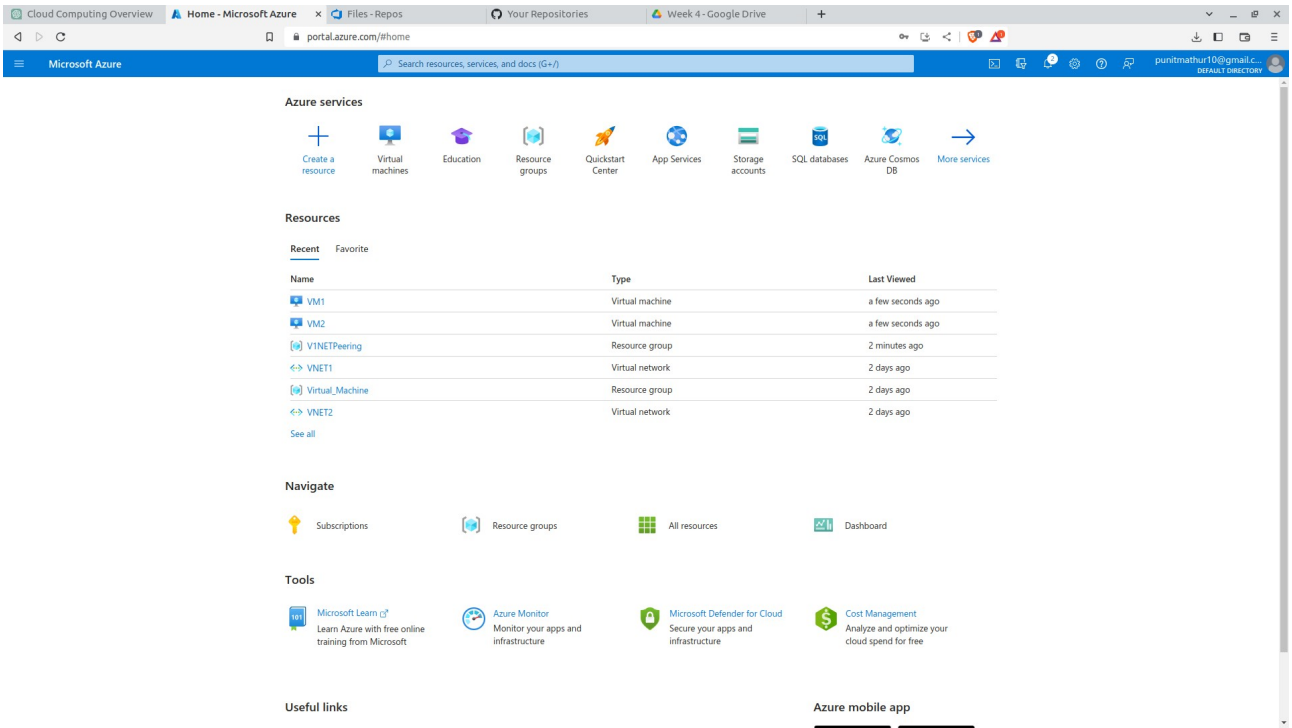
Virtual Machines

Step 1: Create Virtual Machines

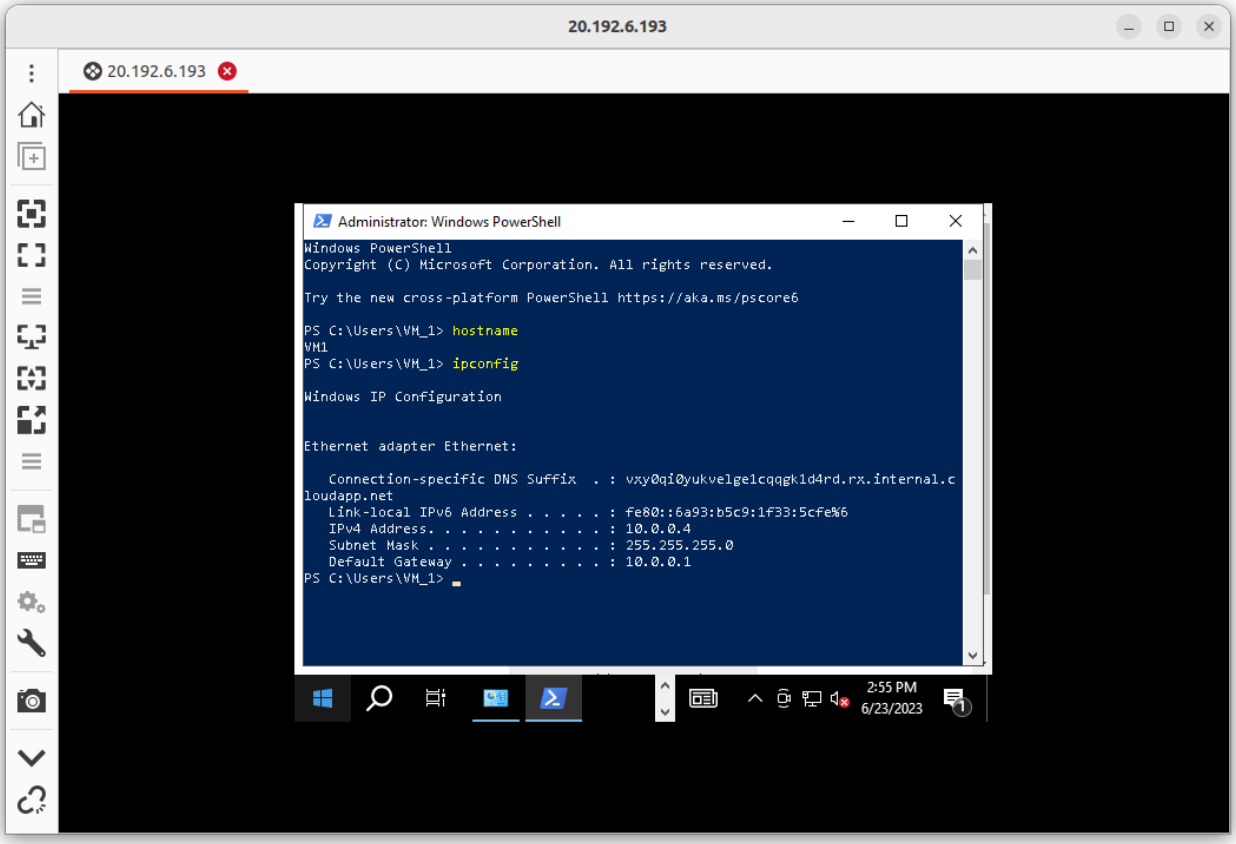
Now we will click to the “VNETpeering” which is created resource group then click to
“Create” and search for “Virtual machine” and click on the top searched option and then click
to “Create” and then give a name in the “Virtual machine name” section like “VM1” and
select “Window 10 pro” in “Image” section and give a “Username” and “Password” of your
choice and check the checkbox in Licensing section. Now move to Monitoring and select
“Disable” in “Diagnostics” section. At last in “Review + create” section click on “Create” to
create the virtual network.

Note- Follow the above same steps for creating VM2 as well

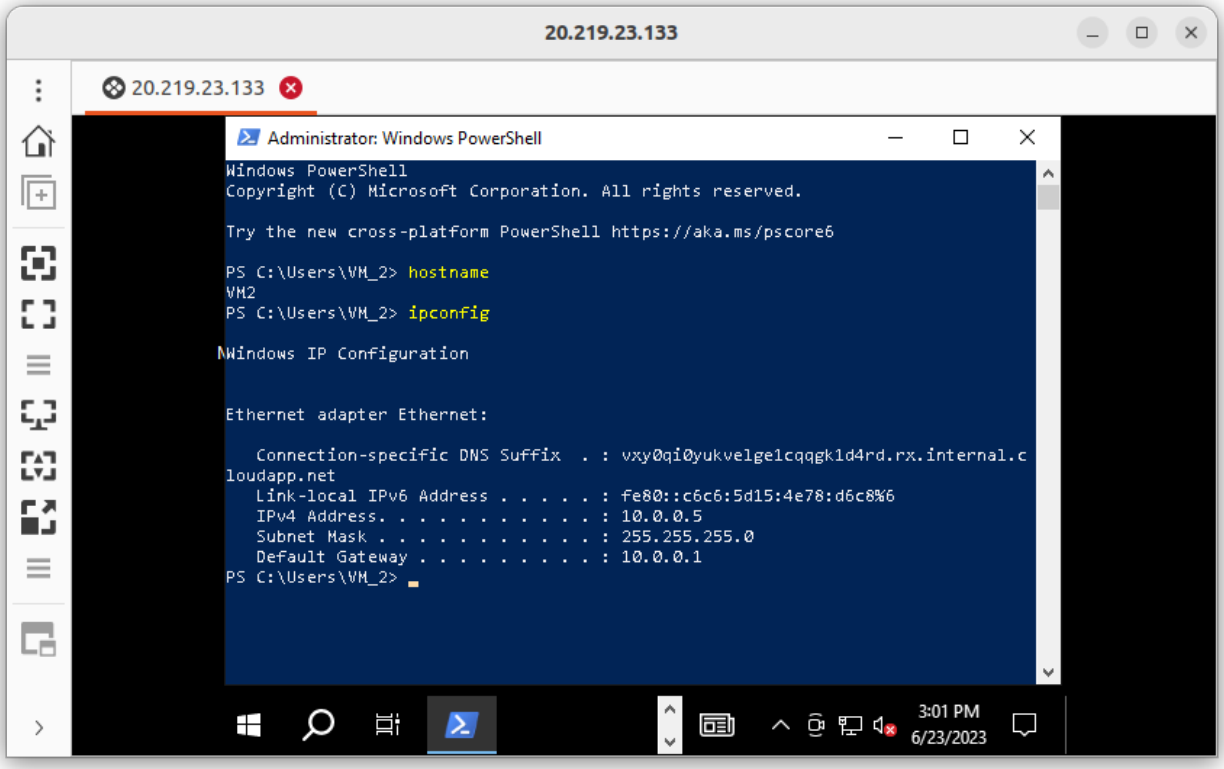


Step 2 : Run and Configure Virtual Machines Remotely

Search for “Remmina” in your PC’s home page search bar and paste the VM1’s “Public IP address” which you will find on clicking the VM1 and fill the
Username and Password and click Submit and then click Yes. Then search for “Windows
Defender Firewall” and in “Turn Windows Defender Firewall on or off” and turn both “Public
network settings” and “Private network settings” off. Now search for “Windows PowerShell”
and run commands “hostname” and “ipconfig”.

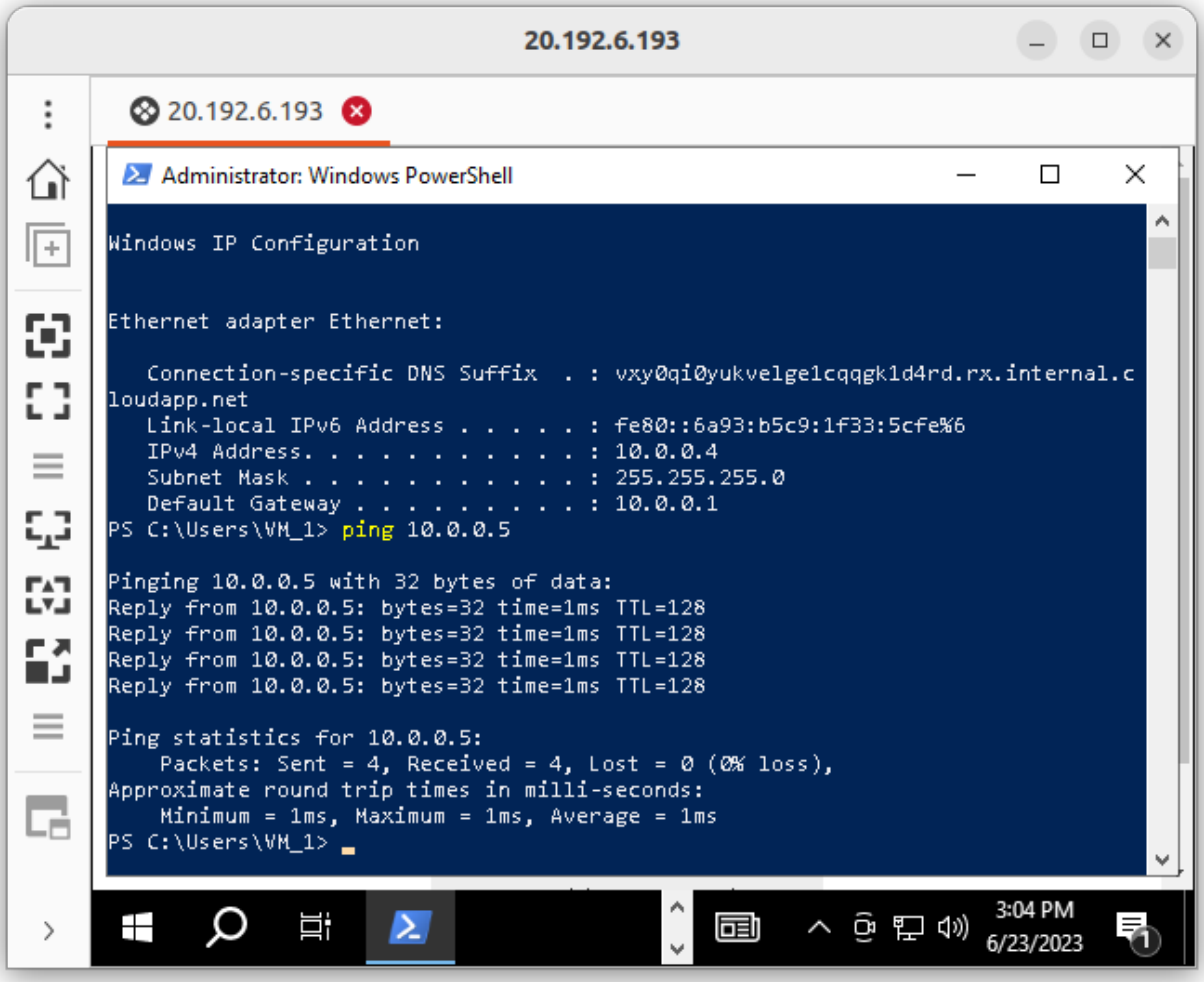


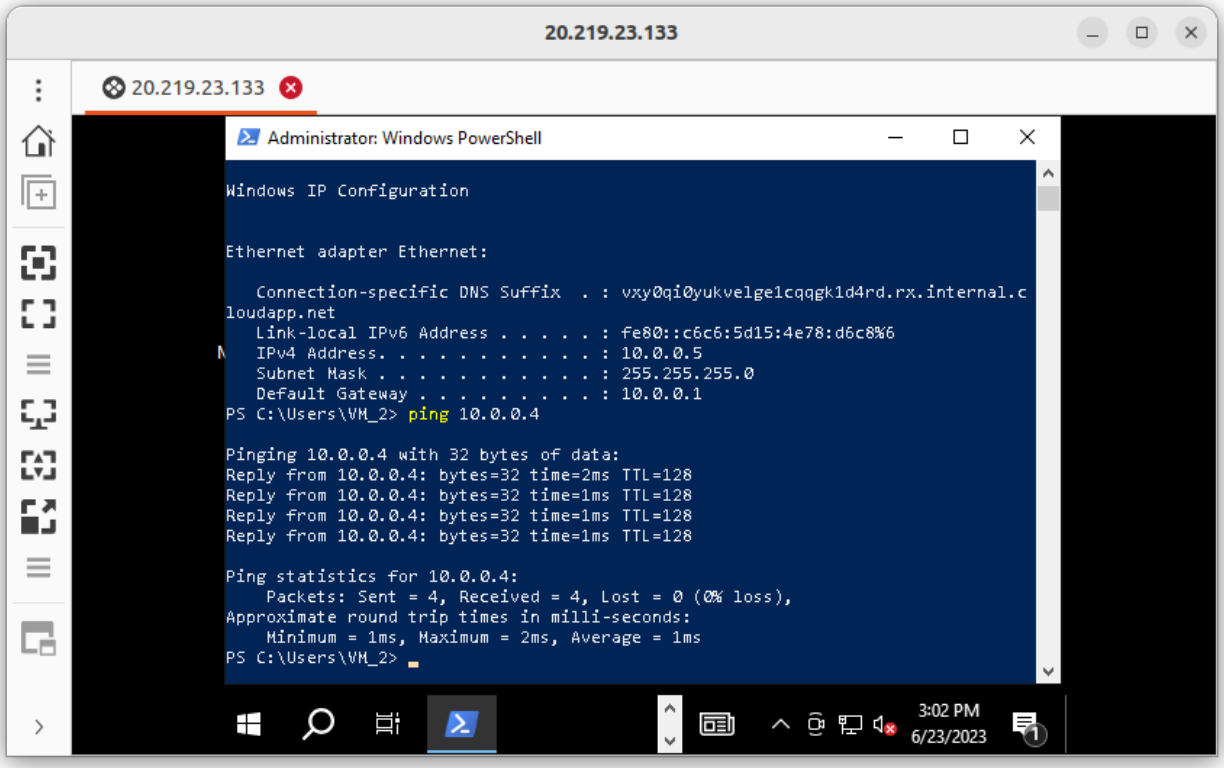
Note- Repeat these steps in VM2 as well



Step 3 :- Establishing Connections between both the VMs

Now run the “Windows Powershell” and in the powershell, run the commands :-
“ping IPv4 Address of VM2 machine”
in VM1 Machine command (ping 10.0.0.5)
“ping IPv4 Address of VM1 machine”
in VM2 machine command (ping 10.0.0.4)




20.219.23.133
20.219.23.133
Administrator: Windows PowerShell
Windows IP Configuration
Ethernet adapter Ethernet:
Connection-specific DNS Suffix . : vxy0qi0yukvelge1cqqgk1d4rd.rx.internal.cloudapp.net
Link-local IPv6 Address . . . . . : fe80::c6c6:5d15:4e78:d6c8%6
IPv4 Address. . . . . : 10.0.0.5
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : 10.0.0.1
PS C:\Users\VM_2> ping 10.0.0.4
Pinging 10.0.0.4 with 32 bytes of data:
Reply from 10.0.0.4: bytes=32 time=2ms TTL=128
Reply from 10.0.0.4: bytes=32 time=1ms TTL=128
Reply from 10.0.0.4: bytes=32 time=1ms TTL=128
Reply from 10.0.0.4: bytes=32 time=1ms TTL=128
Ping statistics for 10.0.0.4:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 1ms, Maximum = 2ms, Average = 1ms
PS C:\Users\VM_2>
3:02 PM
6/23/2023