**Implementation** **RDP Communication**

## **RDP Communication:**

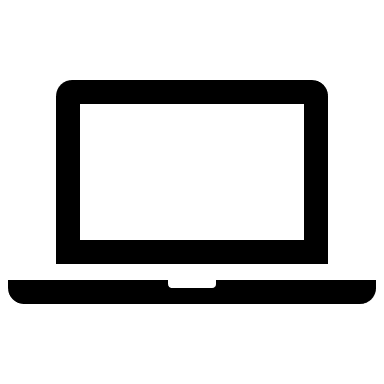
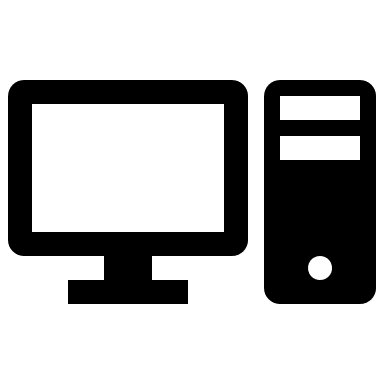
## **How to use of RDP Communication:**

* Open Start
* Run PowerShell as an Administrator.
* Execute the Command below:

**mstsc**

* Enter the Ip address of the TS system.
* Click on Connect.
* You will get the popup for User name and Password, fill the details and click on OK button
* You will get an RDP connection. Pop up window, click on yes. If you want to remember the connection, then click on the checkbox before the 'Don't ask me again for connection to this computer.
* It will again show you that RDP Connection pops up and after that your connection has been successfully established.

Display Mouse & Keyboard Process

RDP TCP/IP

MD Server Mouse & Keyboard TS Server

**Fig 1:RDP Communication**

**2.1.2 How to create PowerShell script:**

1.Open PowerShell IDE and paste below content into PowerShell:

$val=Test-NetConnection -ComputerName {{Var\_RDP\_client\_ip}} -CommonTCPPort "{{RDP\_Protocol}}" -InformationLevel "Detailed"

$val >>{{cache\_dir}}\Test\_Connection\_Info.txt

if($true -eq $val)

{

echo "Remote Desktop connection made is successfull." >>{{cache\_dir}}\mstsc\_Connection.txt

cmdkey /list | ForEach-Object{if($\_ -like "\*target=TERMSRV/\*"){cmdkey /del:($\_ -replace " ","" -replace "Target:","")}} >>{{cache\_dir}}\mstsc\_Connection.txt

$Server="{{Var\_RDP\_client\_ip}}"

$User="{{Client\_user\_name}}"

$Password="{{Client\_user\_password}}"

cmdkey /generic:TERMSRV/$Server /user:$User /pass:$Password >>{{cache\_dir}}\mstsc\_Connection.txt

mstsc /v:$Server

}

else

{

echo "Can not connect with remote desktop." >>{{cache\_dir}}\mstsc\_Connection.txt

}

2.Save the file with ‘RDP\_Communication.ps1’.

## **1.2.3 Evidence:**

* Local Execution with Evidence
* Open PowerShell.
* Execute below command.

**Command:** mstsc

* You will get the popup window as shown below.
* Enter the IP of that computer for which we need RDP & click on Connect button.

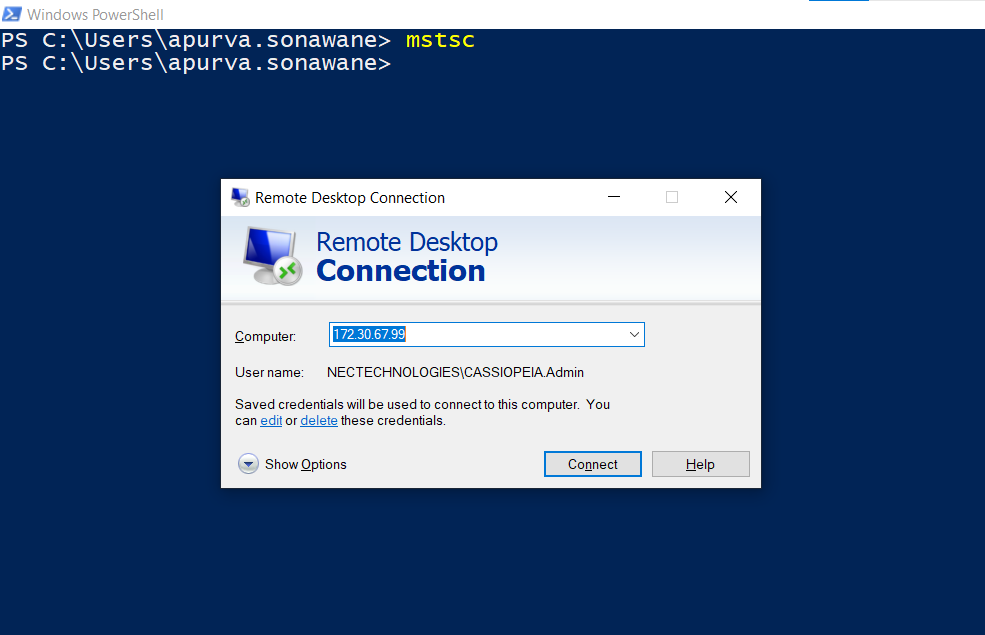


Fig 2.1: After execution of command **mstsc**

* You will get the popup for User name and Password, fill the details and click on OK button

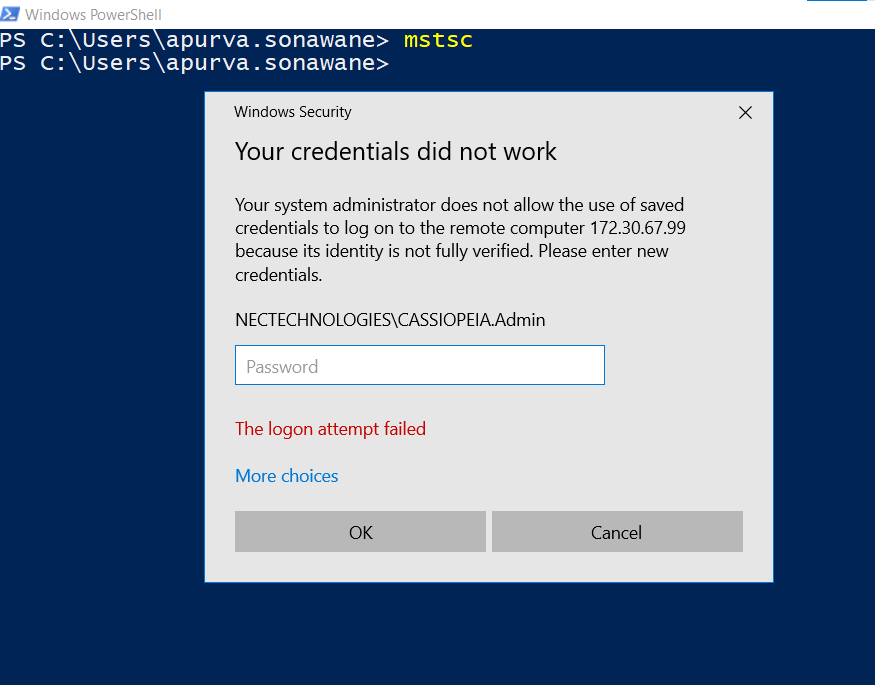


Fig 2.2: After click on Connect button

* After click on the OK button you will get the below shown popup window.
* Click on Yes button to get connect.

(Note: If you want to not to forgot connection that you made you can click on the checkbox which indicates “Don’t ask me again for connections to this computer.”)

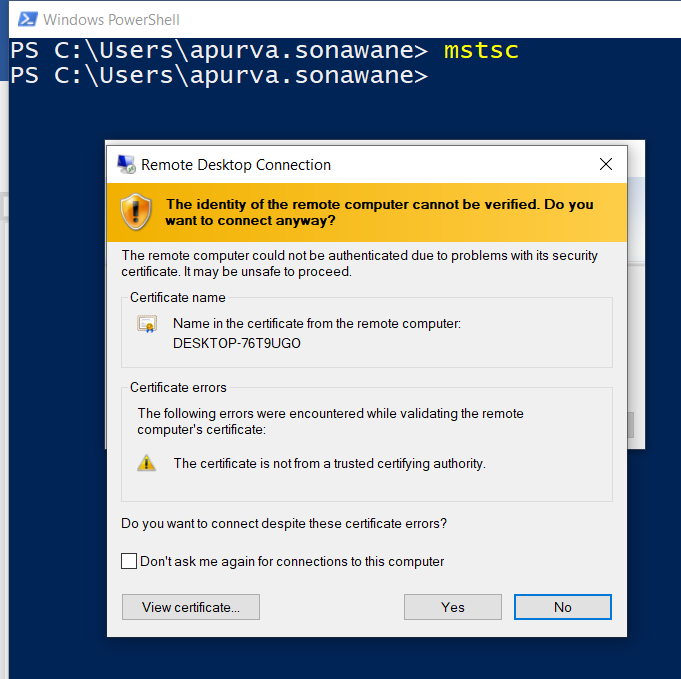


Fig 2.3: After clicking connect button

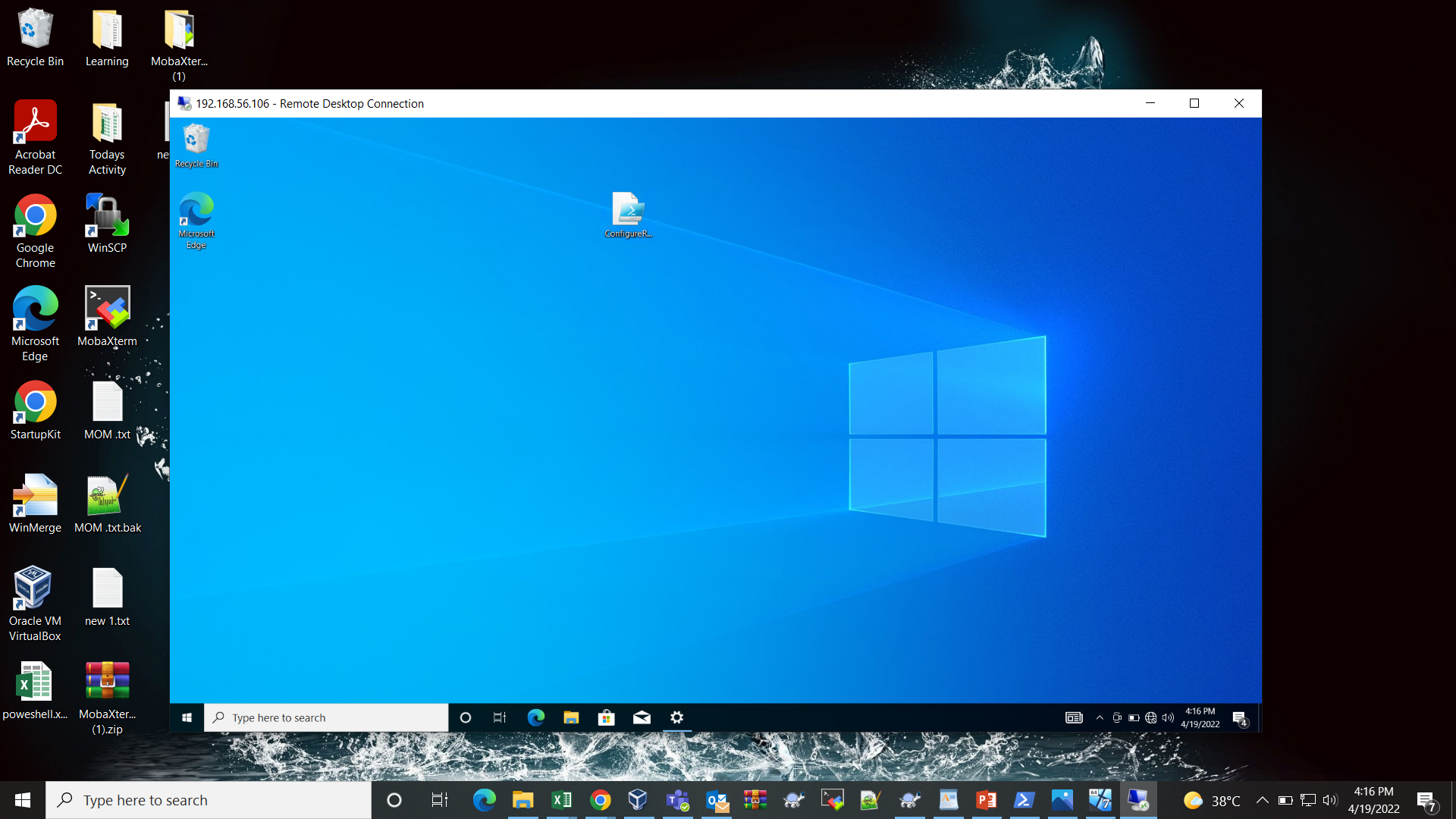


Fig 2.4: After clicking yes button, your connection gets successfully established

* Remote Execution with Evidence

Below command executed on MD system

**Command:**

ansible-playbook -i hosts1 site1.yml

Note: Please refer below host1 and site1.yml file

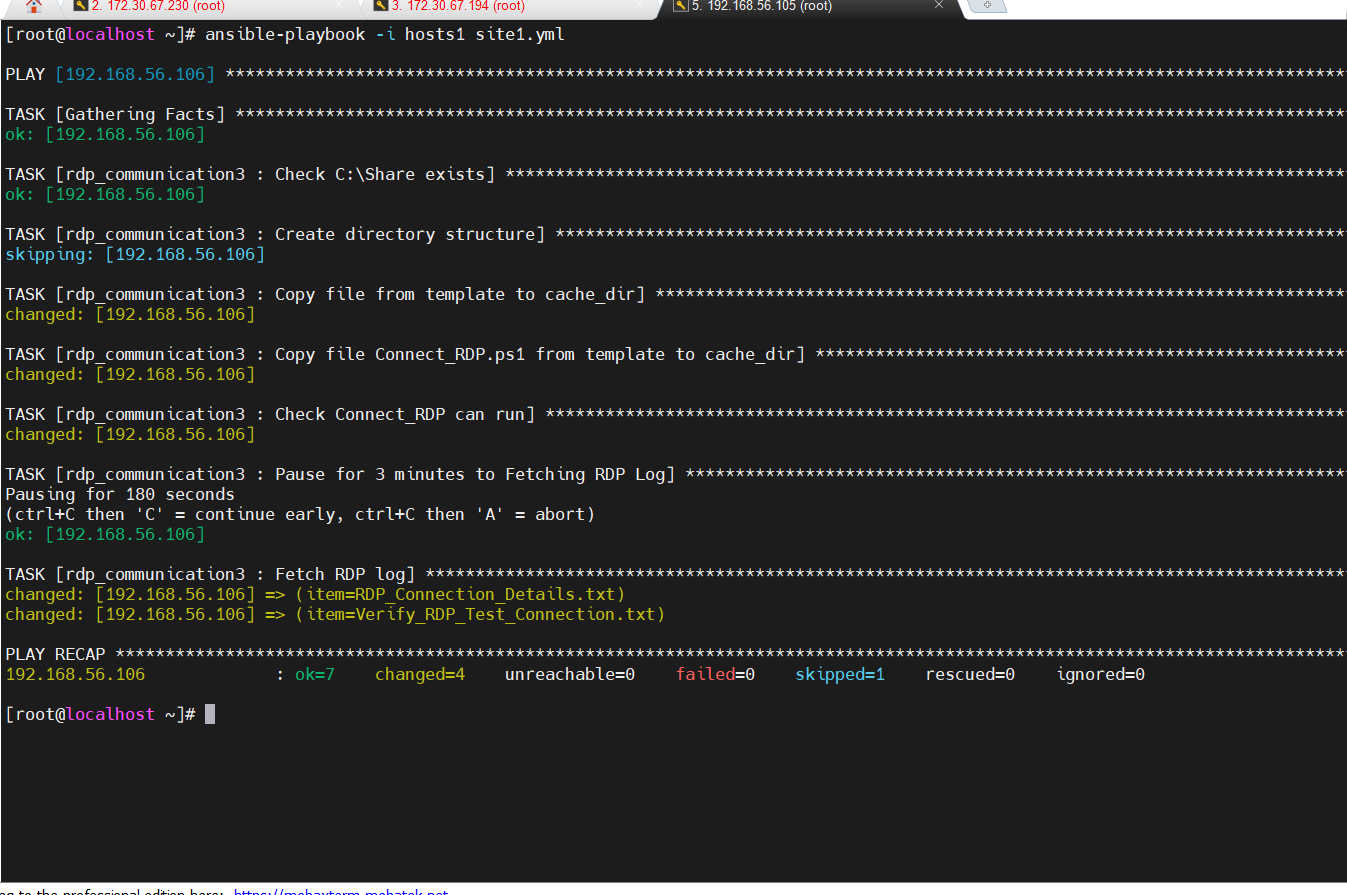


Fig 2.5: Remote Execution on MD System Successful status evidence

## **Verification:**

* Login TS system.
* Open This PC.
* Go into local disk (C)
* Go into Share folder
* “RDP\_Connection\_Details.log and Verify\_RDP\_Test\_Connection.log” log file must be there.

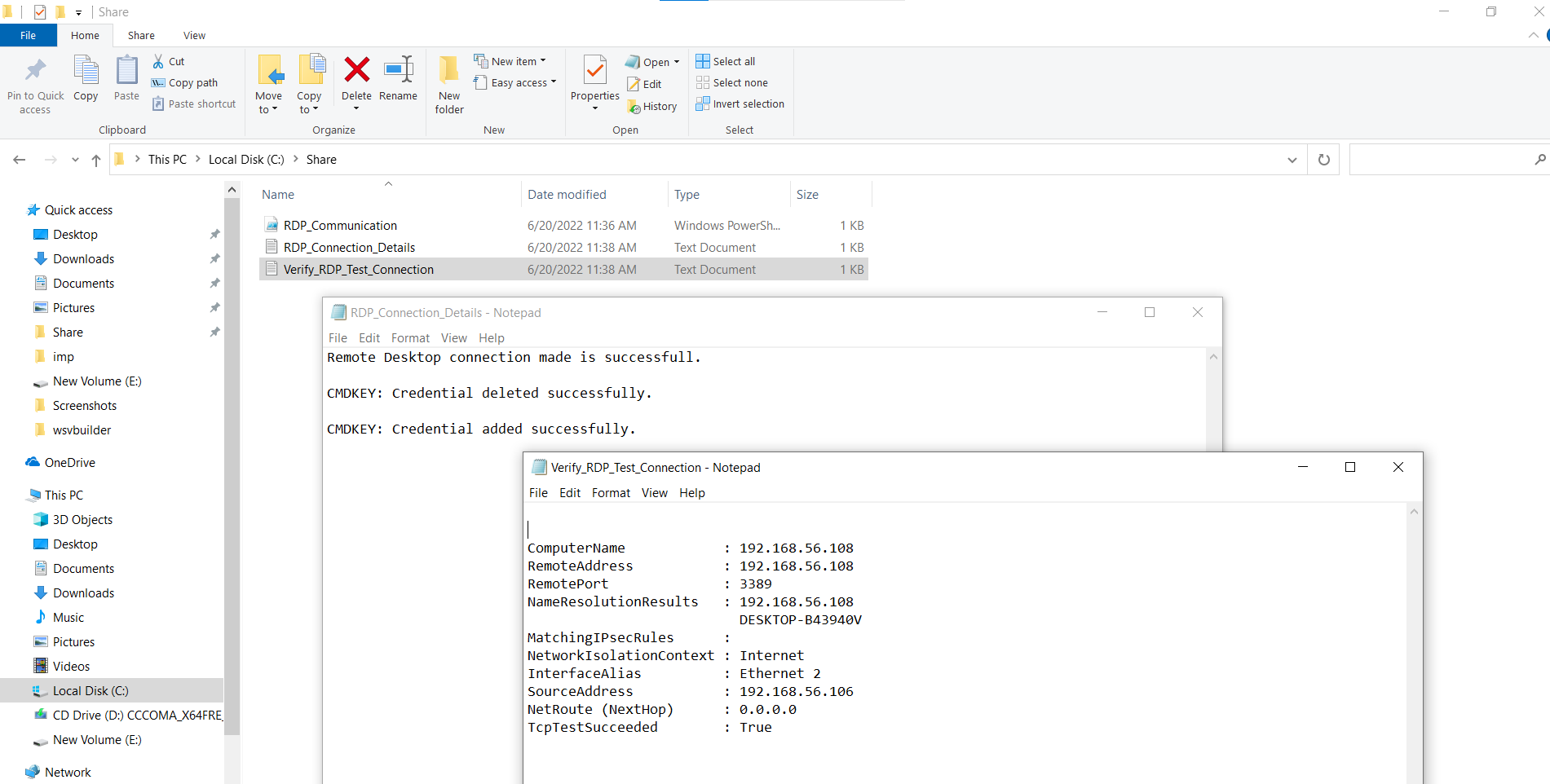


Fig 2.6: RDP log created on TS system after remote execution on MD System Successful