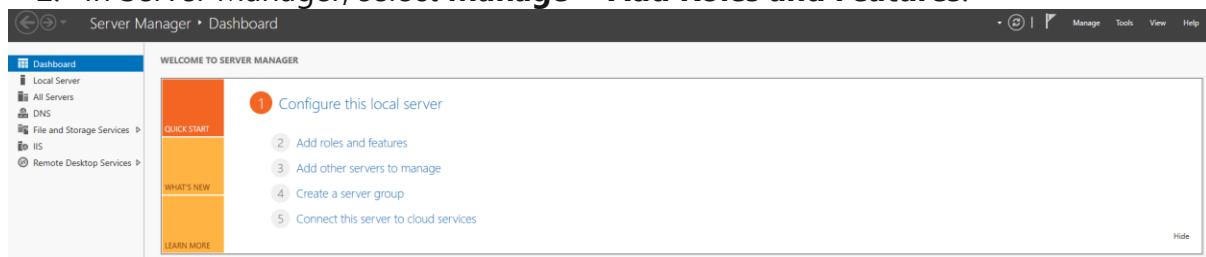


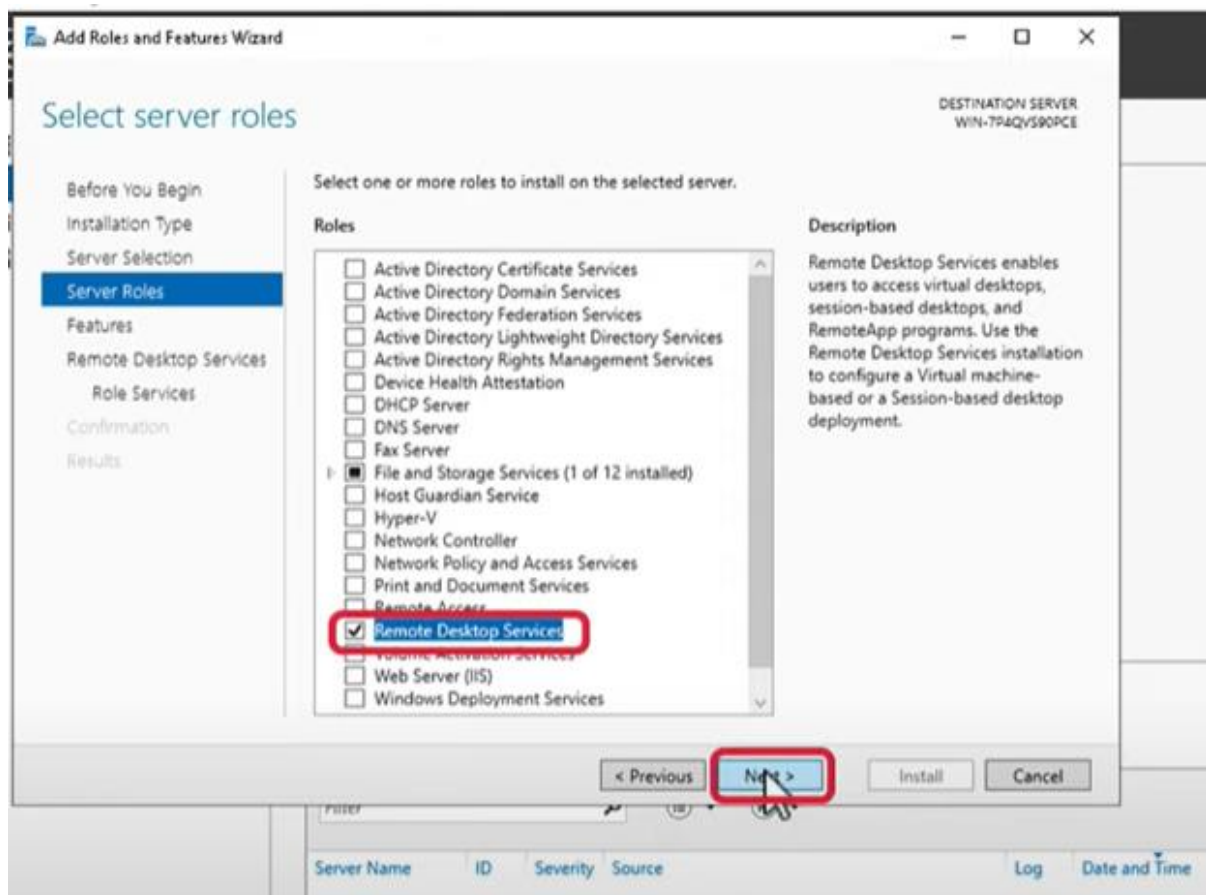
Activate the Remote Desktop Services license server Windows 2019

Install the RD licensing role

1. Sign into the server you want to use as the license server using an administrator account.
2. In Server Manager, select **Manage > Add Roles and Features**.

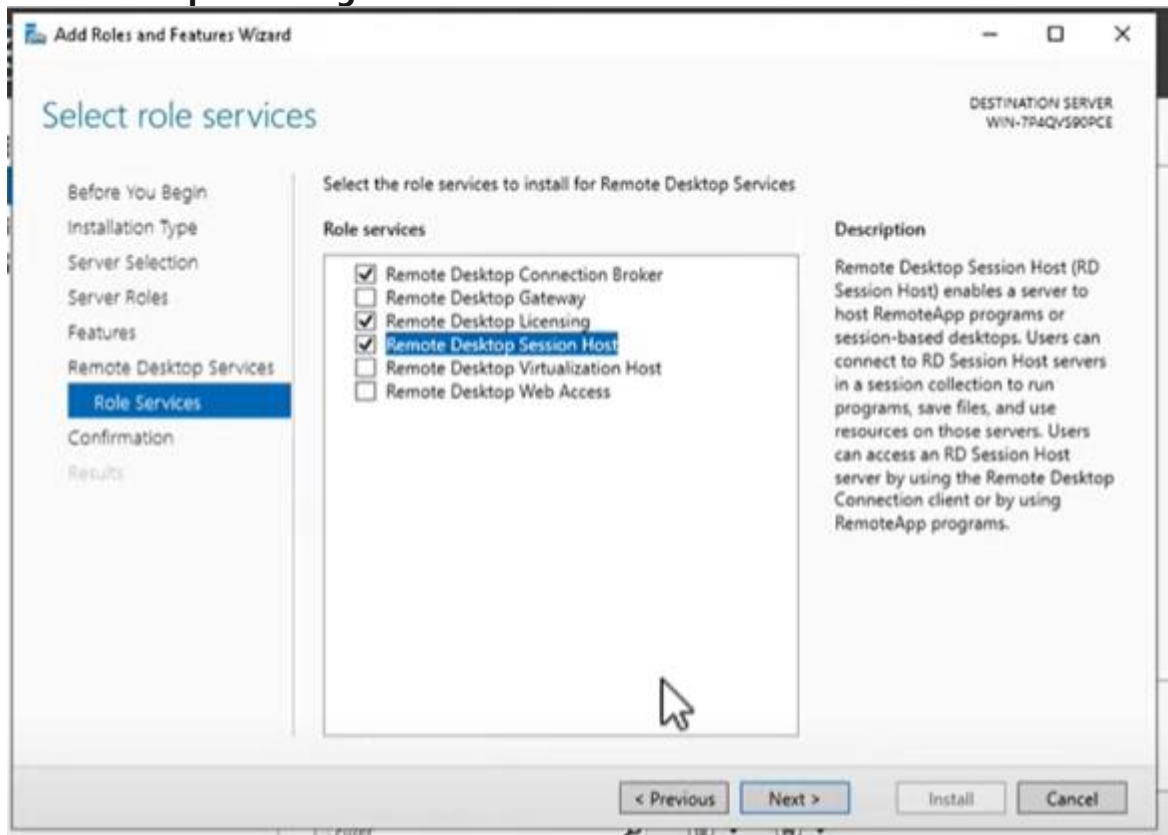


3. On the **Select installation type** page, select **Role-based or feature-based installation**.

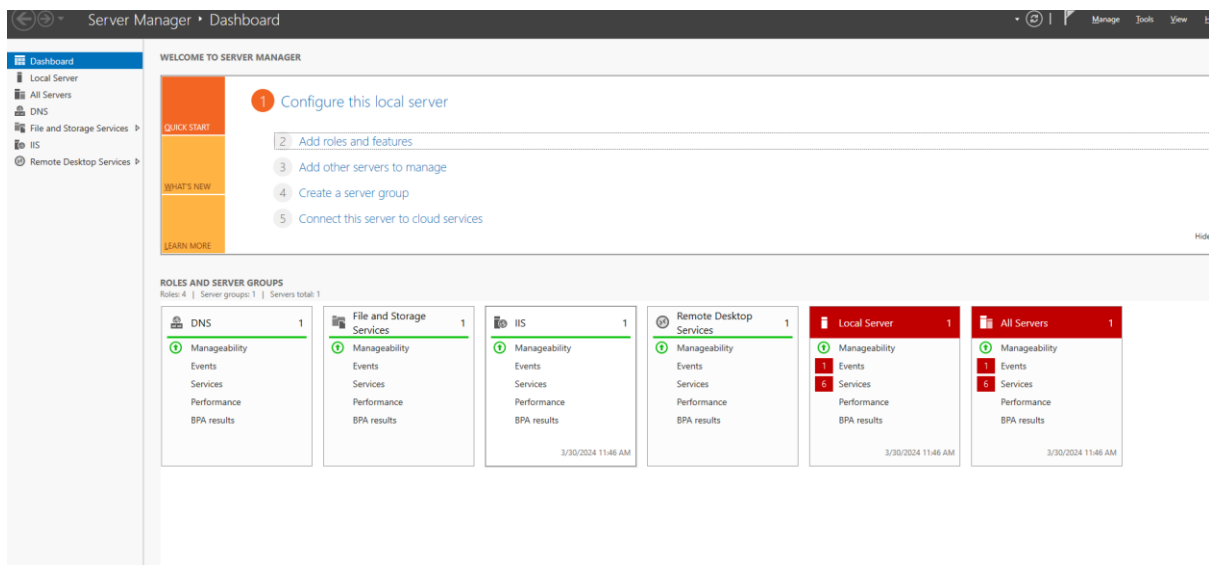
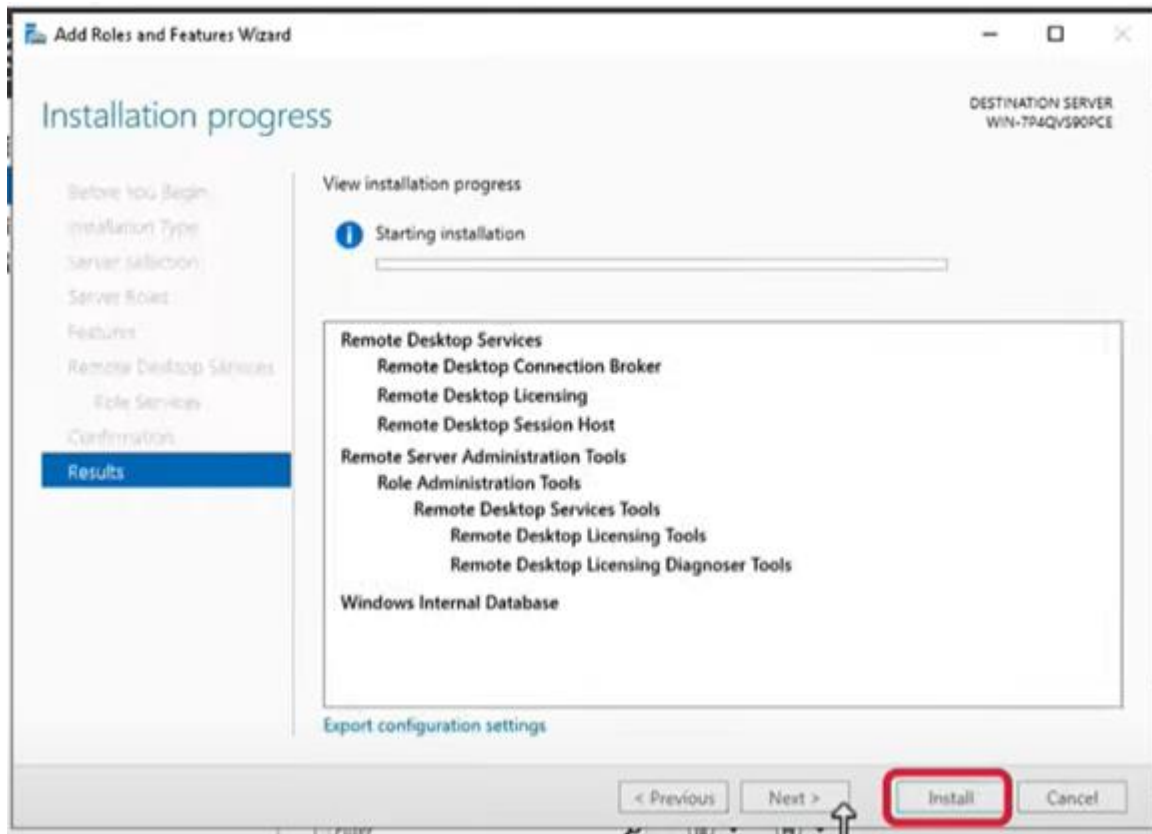


4. Specify the server on which you'll install the licensing role.
5. On the **Server Roles** page, check the box for **Remote Desktop Services**, then select **Next** until you see the **Remote Desktop Services** page.

6. Select the roles you want to install. Make sure you include the **Remote Desktop Licensing** role.



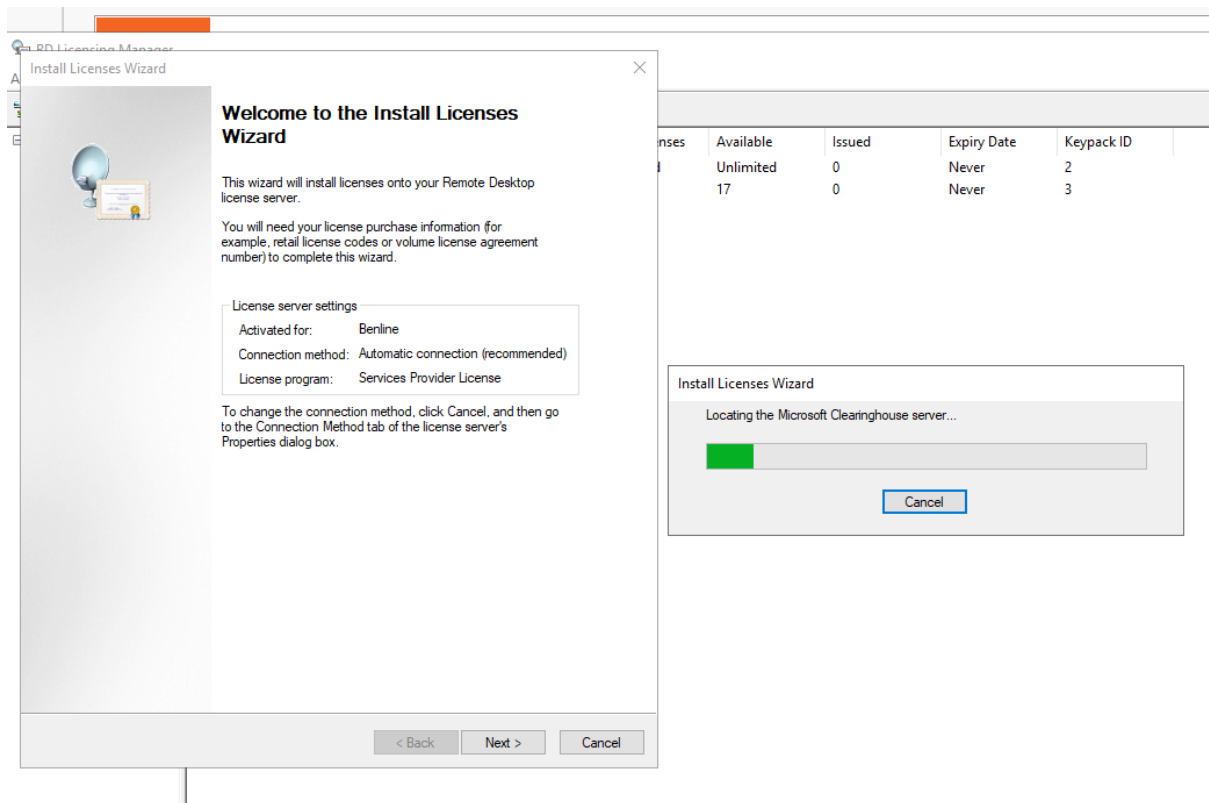
7. In the **Add Roles and Features Wizard** dialog box, select **Add Features**.
8. Select **Next** until you see the **Confirmation** page, then select **Install**.



Activate the license server

1. In Server Manager, select **Remote Desktop Services** > **Servers**. Right-click the server where you installed the Remote Desktop Licensing role and select **RD Licensing Manager**.
2. In the **RD Licensing Manager**, select the server, and then select **Action** > **Activate Server**.

3. Accept the remaining default values in the Activate Server Wizard until you see the **Company information** page, then enter your company information.
4. Accept the defaults for the remaining pages until the final page. Clear **Start Install Licenses Wizard now**, and then select **Finish**.
5. Select **Action** > **Review Configuration** > **Add to Group** > **OK** and enter credentials for a user in the AAD DC Administrators group, and register as SCP. This step might not work if you are using Microsoft Entra Domain Services, but you can ignore any warnings or errors.



Click on Next → Choose SPLA (service Provider License Agreement)

RD Licensing Manager

Install Licenses Wizard

License Program
Choose the appropriate license program.

Every client that is connecting to a Remote Desktop Session Host server or a virtual desktop in a Microsoft Virtual Desktop Infrastructure must have a valid license. Select the license program through which you purchased your licenses.

License program: Services Provider License Agreement

Description: This is a volume licensing program that enables services providers to license Microsoft products on a monthly basis.

Format and location: The agreement number found on your signed agreement form is required. The agreement number is seven numeric digits.

Sample: 1234567

Verify that your license information is similar to the sample before continuing.

< Back Next > Cancel

RD Licensing Manager

Install Licenses Wizard

License Program
Enter the agreement number.

Enter the agreement number with which you purchased your licenses. To change your license program, click Back.

License program: Services Provider License Agreement

Agreement number:

Sample: 1234567

< Back Next > Cancel

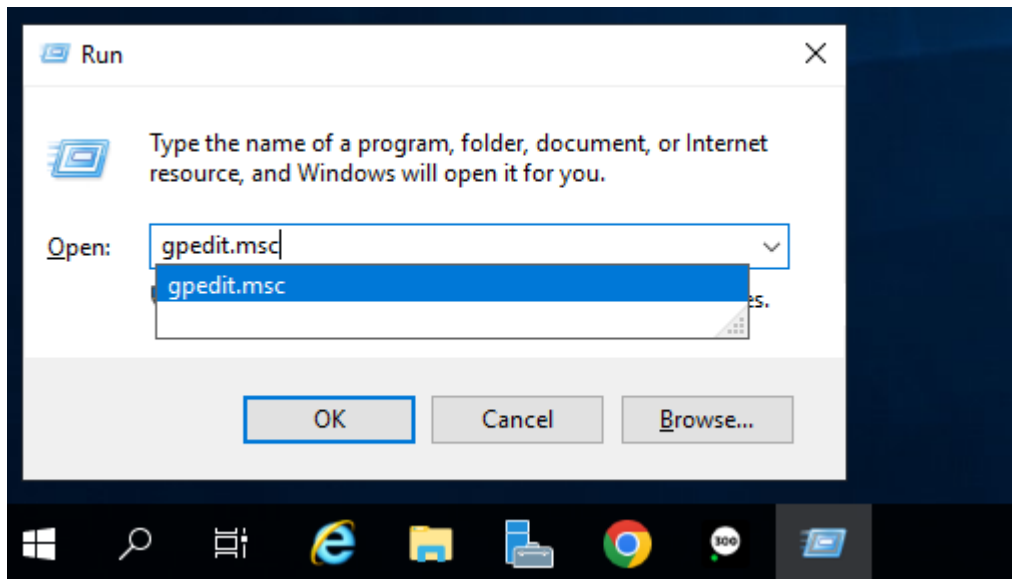
Enter your agreement number → specify how many number of license you need and choose per userCALS and apply

Finally you will see the below data

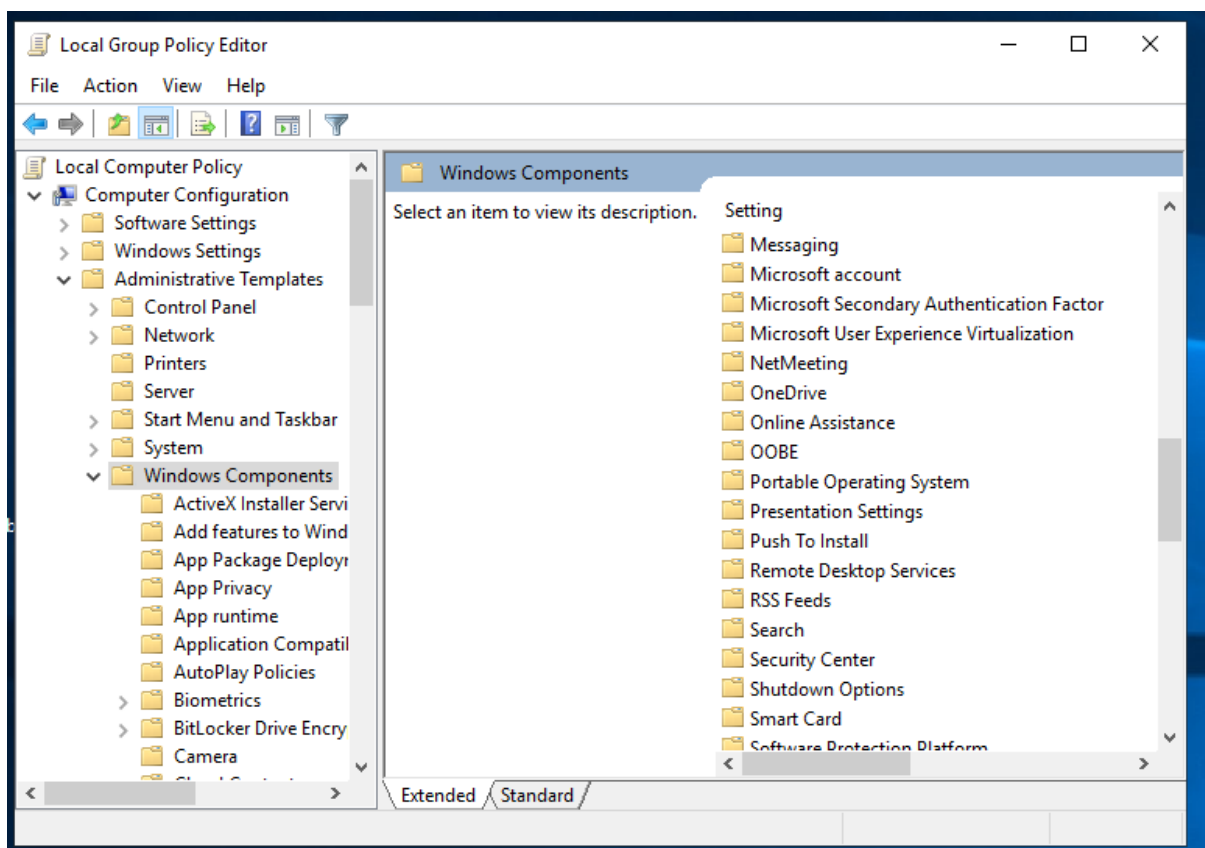
License Version and Type	License Program	Total Licenses	Available	Issued	Expiry Date	Keypack ID
Windows 2000 Server - Built-in TS Per De...	Built-in	Unlimited	Unlimited	0	Never	2
Windows Server 2019 - Installed RDS Per ...	Volume License	17	17	0	Never	3

Once Done you need to add few permissions to allow the users simultaneously

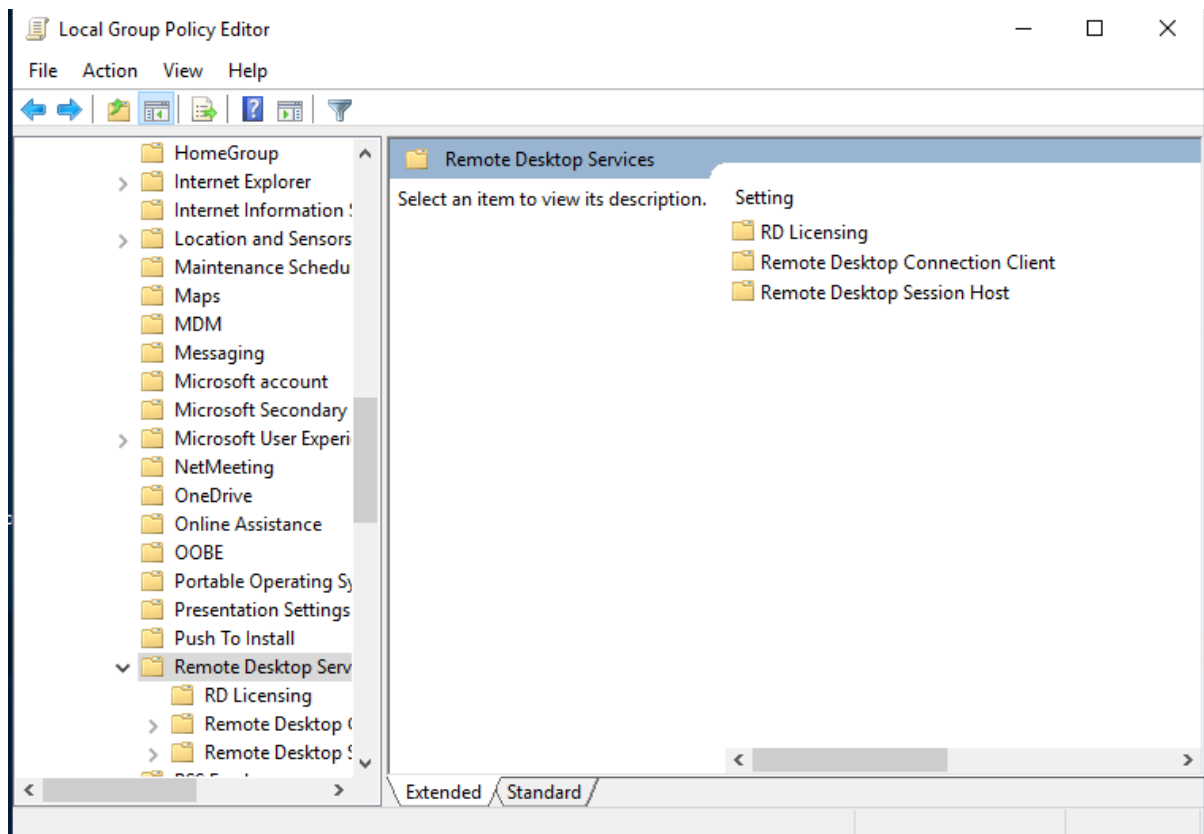
Run →gpedit.msc for group policy editing



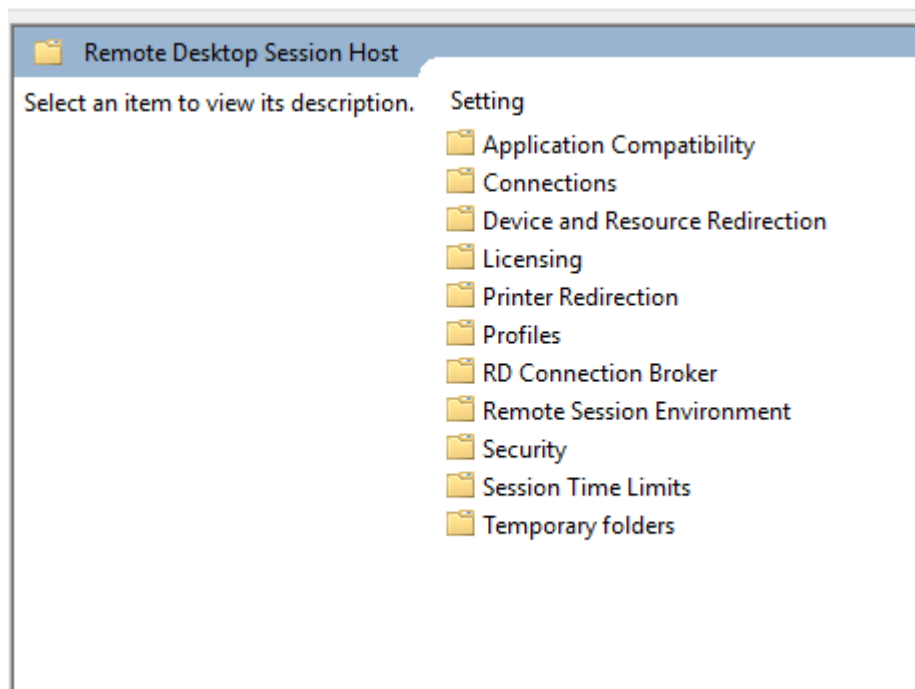
Click on Administrative Template → Windows Component → Remote Desktop Services



Click on Remote Desktop Services → Remote Desktop Session Host



Click on Connections



Click on number of connections and enable like below → apply → ok

Connections

Limit number of connections

[Edit policy setting](#)

Requirements:
At least Windows Server 2003

Description:

Setting	State	Comment
Automatic reconnection	Not configured	No
Allow users to connect remotely by using Remote Desktop S...	Not configured	No
Deny logoff of an administrator logged in to the console ses...	Not configured	No
Configure keep-alive connection interval	Not configured	No
Limit number of connections	Enabled	No
Suspend user sign-in to complete app registration	Not configured	No

Limit number of connections

Previous Setting

Next Setting

☐ Not Configured

☒ Enabled

☐ Disabled

Comment:

Supported on:

At least Windows Server 2003

Options:

RD Maximum Connections allowed
999999
Type 999999 for unlimited connections.

Help:

Specifies whether Remote Desktop Services limits the number of simultaneous connections to the server.

You can use this setting to restrict the number of Remote Desktop Services sessions that can be active on a server. If this number is exceeded, additional users who try to connect receive an error message telling them that the server is busy and to try again later. Restricting the number of sessions improves performance because fewer sessions are demanding system resources. By default, RD Session Host servers allow an unlimited number of Remote Desktop Services sessions, and Remote Desktop for Administration allows two Remote Desktop Services sessions.

To use this setting, enter the number of connections you want to specify as the maximum for the server. To specify an unlimited number of connections, type 999999.

If the status is set to Enabled, the maximum number of connections is limited to the specified number consistent with the version of Windows and the mode of Remote Desktop

OK

Cancel

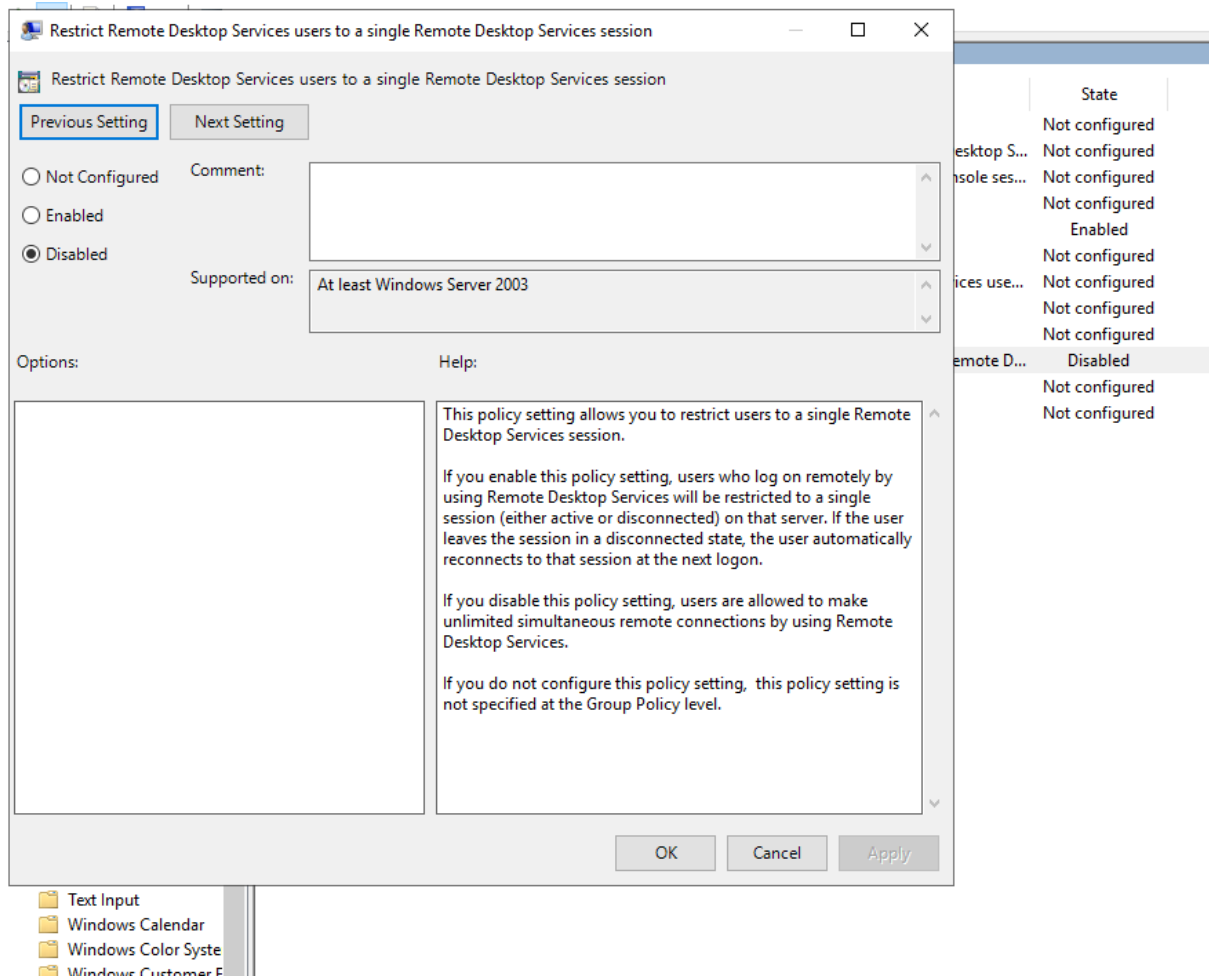
Apply

Note: This setting is designed to be used on RD Session Host servers (that is, on servers running Windows with Remote Desktop Services installed).

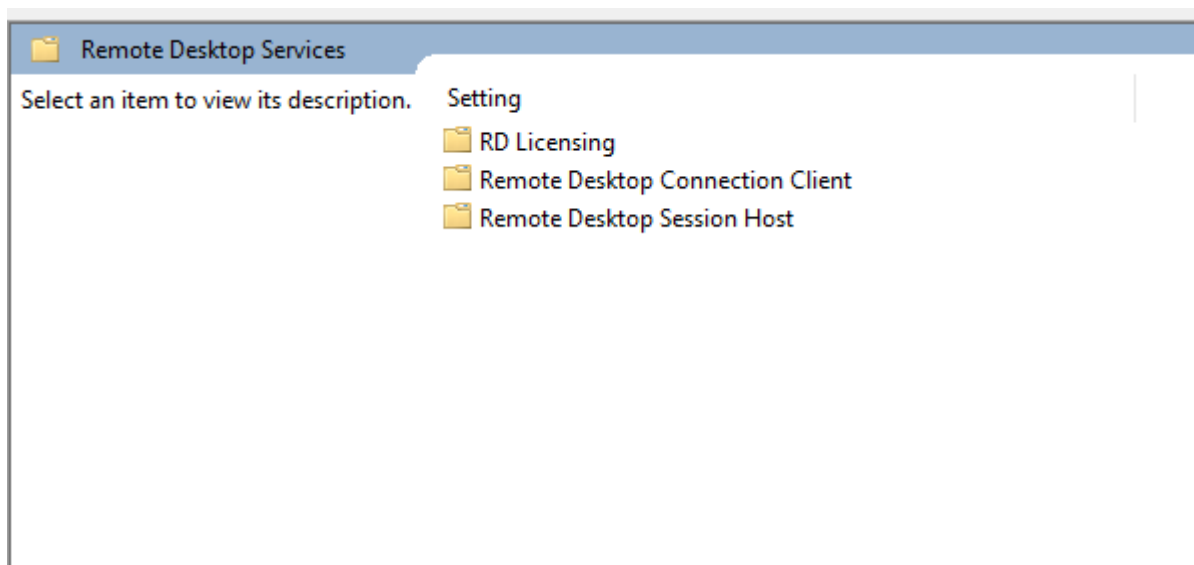
Then click on Restrict Remote Desktop Services users to a single Remote Desktop

Connections			
Restrict Remote Desktop Services users to a single Remote Desktop Services session Edit policy setting Requirements: At least Windows Server 2003 Description: This policy setting allows you to restrict users to a single Remote Desktop Services session. If you enable this policy setting, users who log on remotely by using Remote Desktop Services will be restricted to a single session (either active or disconnected) on that server. If the user leaves the session in a disconnected state, the user automatically reconnects to that session at the next logon. If you disable this policy setting, users are allowed to make unlimited simultaneous remote connections by using Remote Desktop Services. If you do not configure this policy setting, this policy setting is not specified at the Group Policy level.	Setting	State	Comment
	Automatic reconnection	Not configured	No
	Allow users to connect remotely by using Remote Desktop S...	Not configured	No
	Deny logoff of an administrator logged in to the console ses...	Not configured	No
	Configure keep-alive connection interval	Not configured	No
	Limit number of connections	Enabled	No
	Suspend user sign-in to complete app registration	Not configured	No
	Set rules for remote control of Remote Desktop Services use...	Not configured	No
	Select network detection on the server	Not configured	No
	Select RDP transport protocols	Not configured	No
	Restrict Remote Desktop Services users to a single Remote D...	Disabled	No
	Allow remote start of unlisted programs	Not configured	No
	Turn off Fair Share CPU Scheduling	Not configured	No

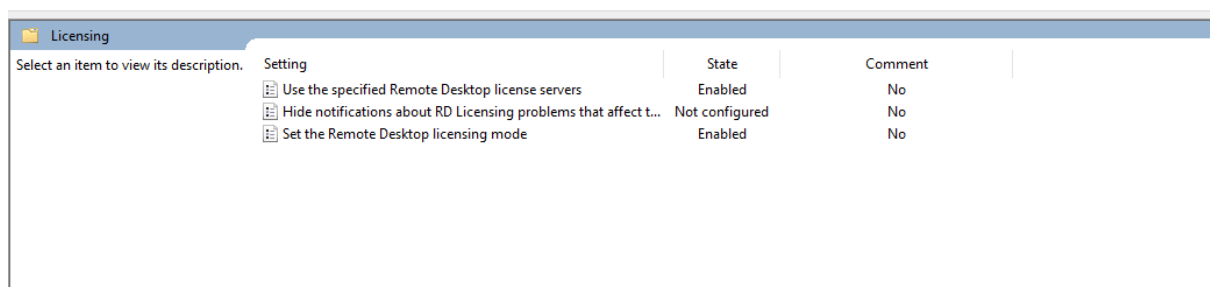
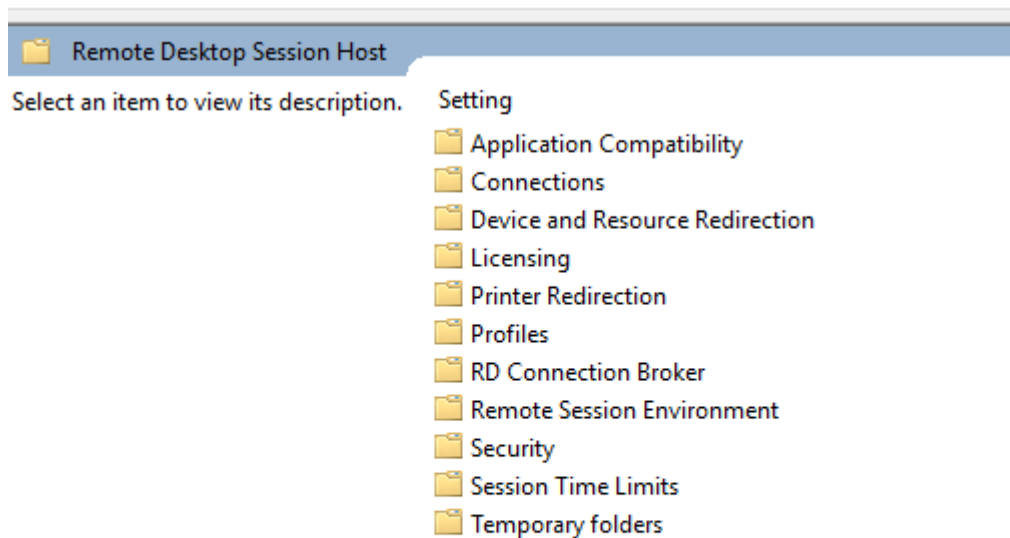
Disable -- > apply → ok



Then again come back and click on Remote Desktop Session Host



Click on licensing



Click on Use the specified Remote Desktop license servers → enable → specify your server IP
→ apply → ok

Use the specified Remote Desktop license servers

Previous Setting

Next Setting

☐ Not Configured

Comment:

☒ Enabled

Supported on:

At least Windows Server 2003 with Service Pack 1

☐ Disabled

Options:

License servers to use:

164.52.200.50

Separate license server names with commas.

Example: Server1,Server2.example.com,192.168.1.1

Help:

This policy setting allows you to specify the order in which an RD Session Host server attempts to locate Remote Desktop license servers.

If you enable this policy setting, an RD Session Host server first attempts to locate the specified license servers. If the specified license servers cannot be located, the RD Session Host server will attempt automatic license server discovery. In the automatic license server discovery process, an RD Session Host server in a Windows Server-based domain attempts to contact a license server in the following order:

1. Remote Desktop license servers that are published in Active Directory Domain Services.
2. Remote Desktop license servers that are installed on domain controllers in the same domain as the RD Session Host server.

If you disable or do not configure this policy setting, the RD Session Host server does not specify a license server at the Group Policy level.

OK

Cancel

Apply

	State	Comment
ct t...	Enabled	No
	Not configured	No
	Enabled	No

Come back and click on Set the Remote Desktop licensing mode → Enable →under options → choose Per User → apply →ok

Set the Remote Desktop licensing mode

Previous Setting

Next Setting

☐ Not Configured

Comment:

☒ Enabled

Supported on:

At least Windows Server 2003 with Service Pack 1

☐ Disabled

Options:

Specify the licensing mode for the RD Session Host server.

Per User

Help:

This policy setting allows you to specify the type of Remote Desktop Services client access license (RDS CAL) that is required to connect to this RD Session Host server.

You can use this policy setting to select one of two licensing modes: Per User or Per Device.

Per User licensing mode requires that each user account connecting to this RD Session Host server have an RDS Per User CAL.

Per Device licensing mode requires that each device connecting to this RD Session Host server have an RDS Per Device CAL.

If you enable this policy setting, the Remote Desktop licensing mode that you specify is honored by the Remote Desktop license server.

If you disable or do not configure this policy setting, the licensing mode is not specified at the Group Policy level.

OK

Cancel

Apply

State

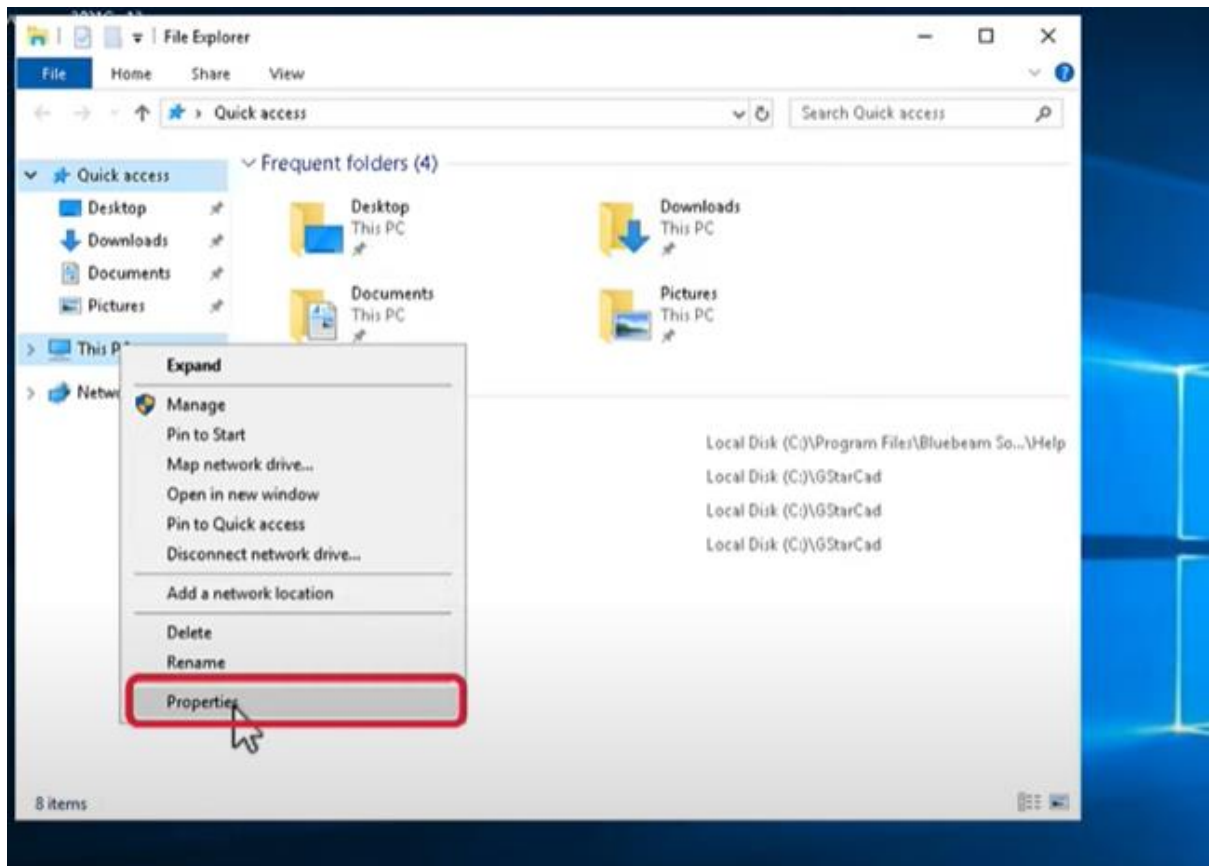
Enable

Not confi

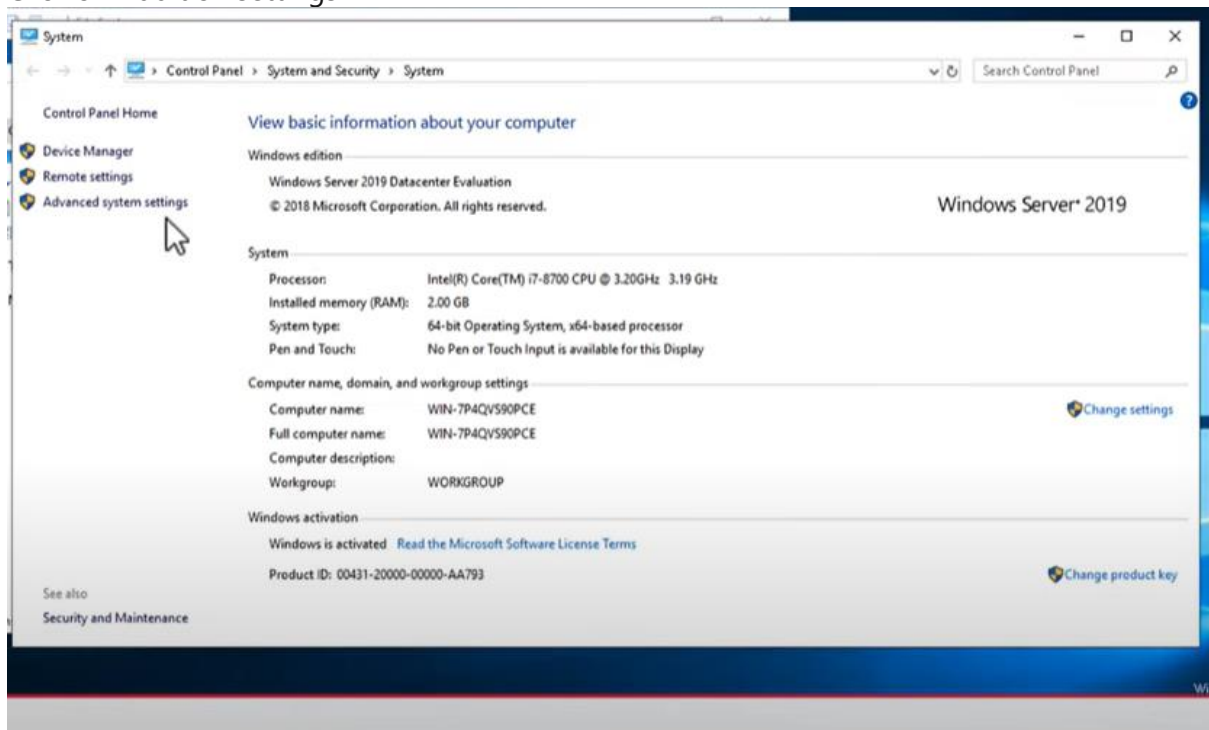
Enable

Windows Customer E

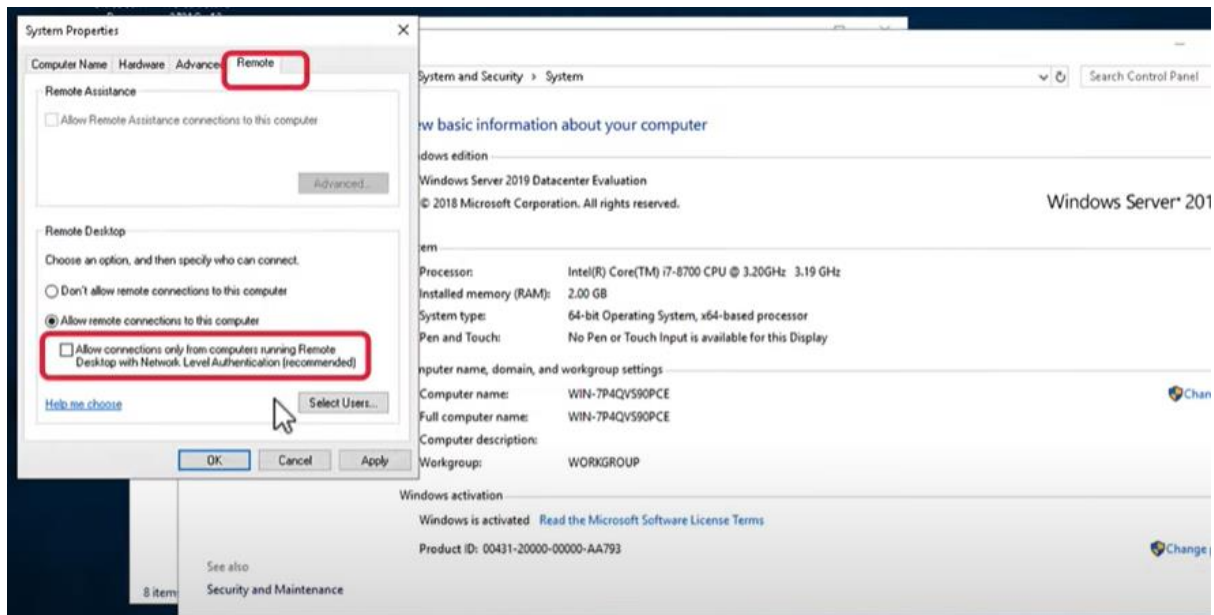
Come back and Click on file explorer on your windows Server → This PC → Properties



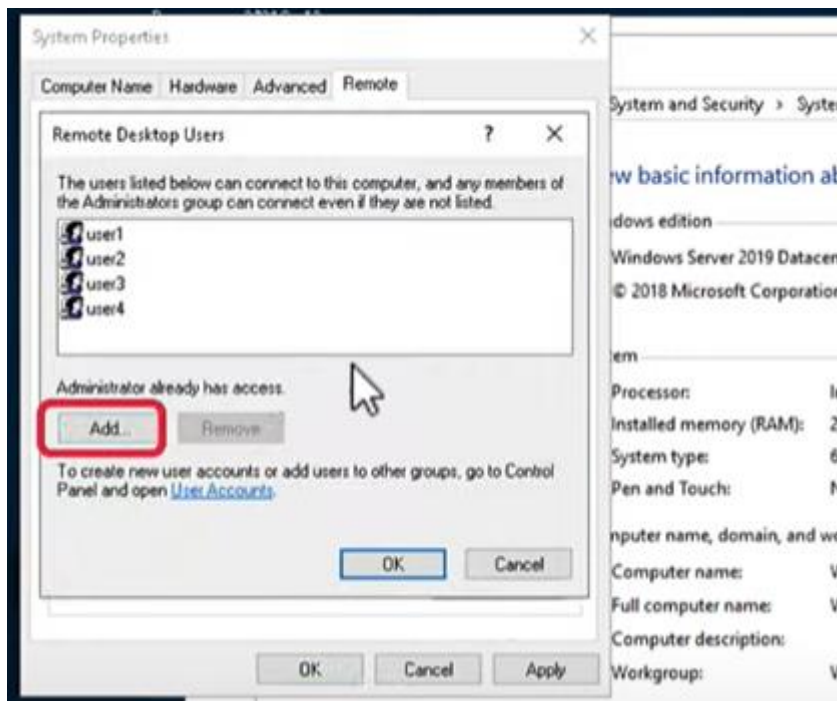
Click on Addition settings

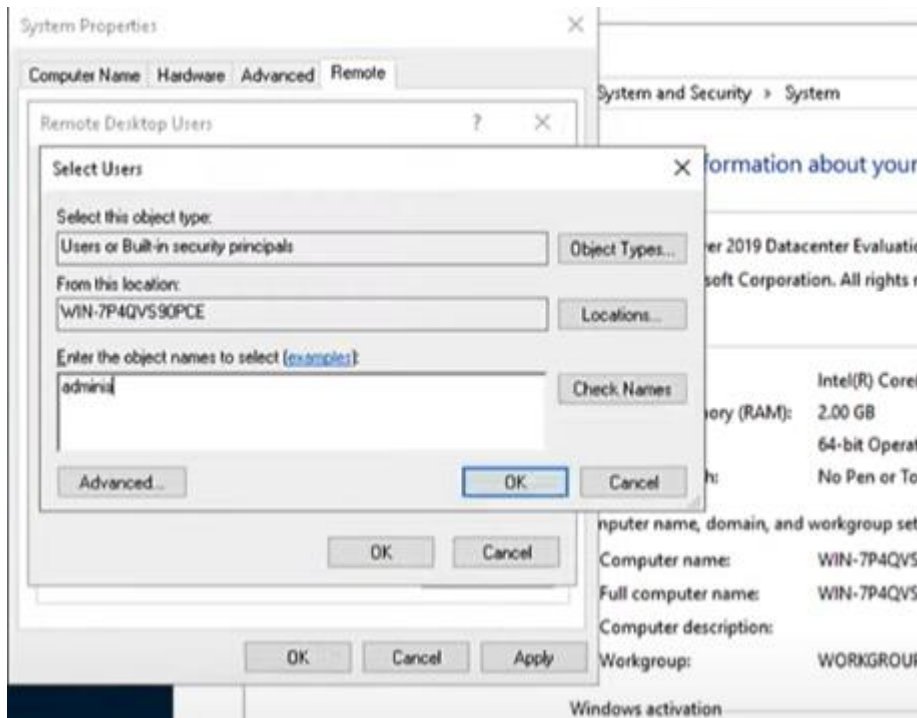


Click on Remote and Uncheck the Allow connections only → apply → ok



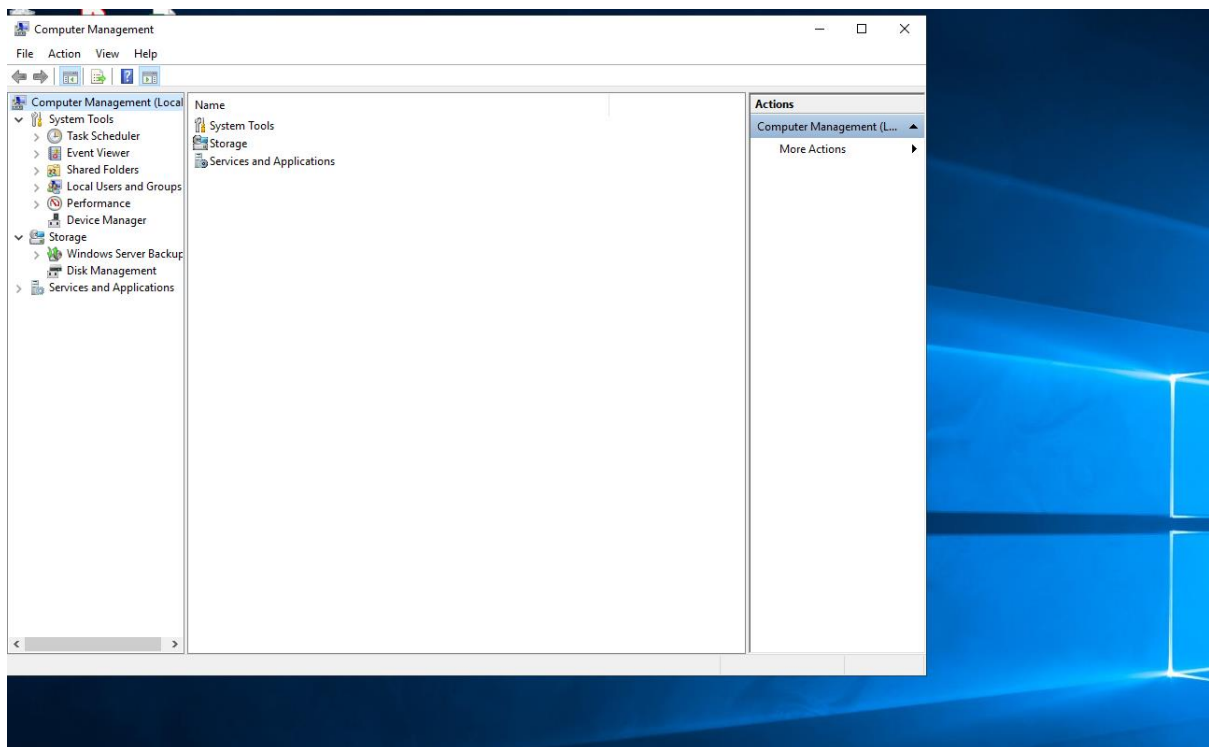
Adding Users to Remote Desktop → SelectUsers → add



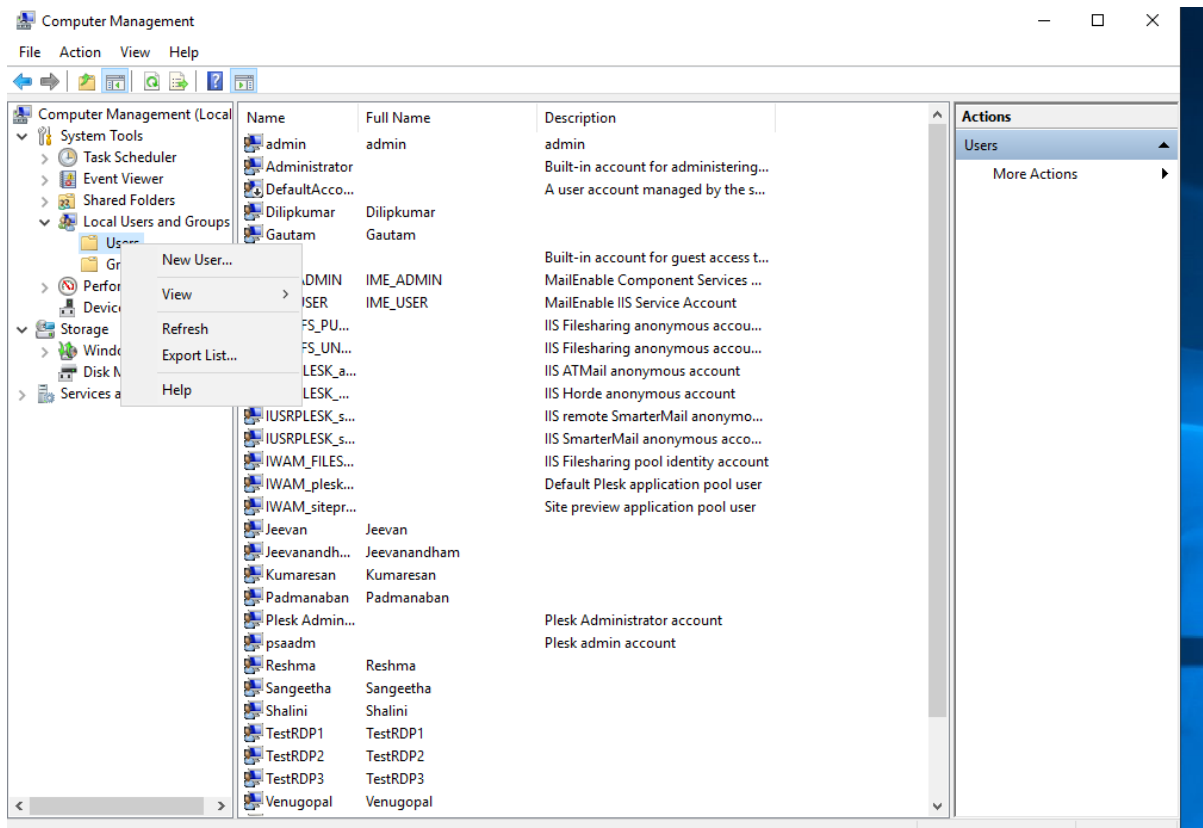


If you want to create new users and add it to RDP group follow the below steps

Go to the Computer management



Click on Local user and groups → right click on user → New user



Enter the name of the user and click on create

New User [?] [X]

User name:

Full name:

Description:

Password:

Confirm password:

☒ User must change password at next logon

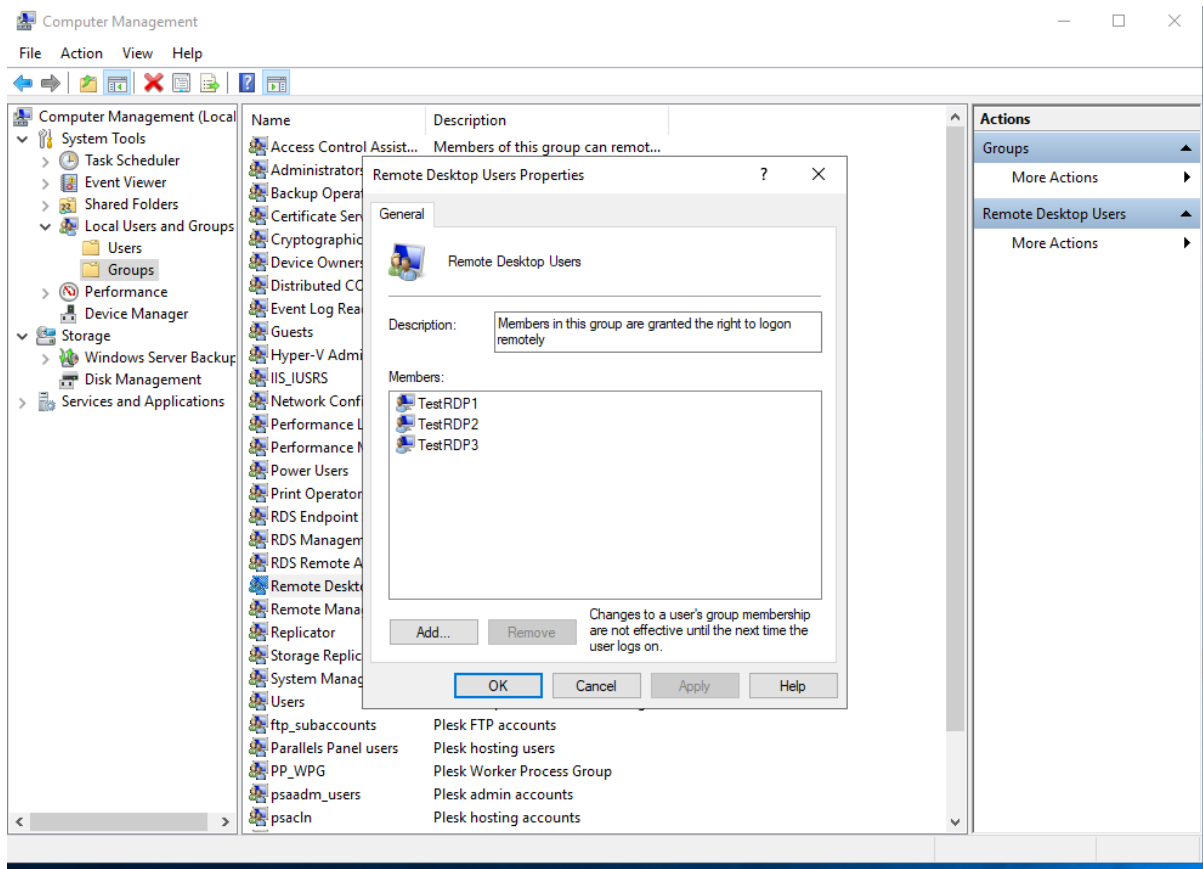
☐ User cannot change password

☐ Password never expires

☐ Account is disabled

Reshma
Sangeetha

Come back and click on groups → Choose Remote Desktop user properties → and list of users you need to add for the RDP connection → apply → ok



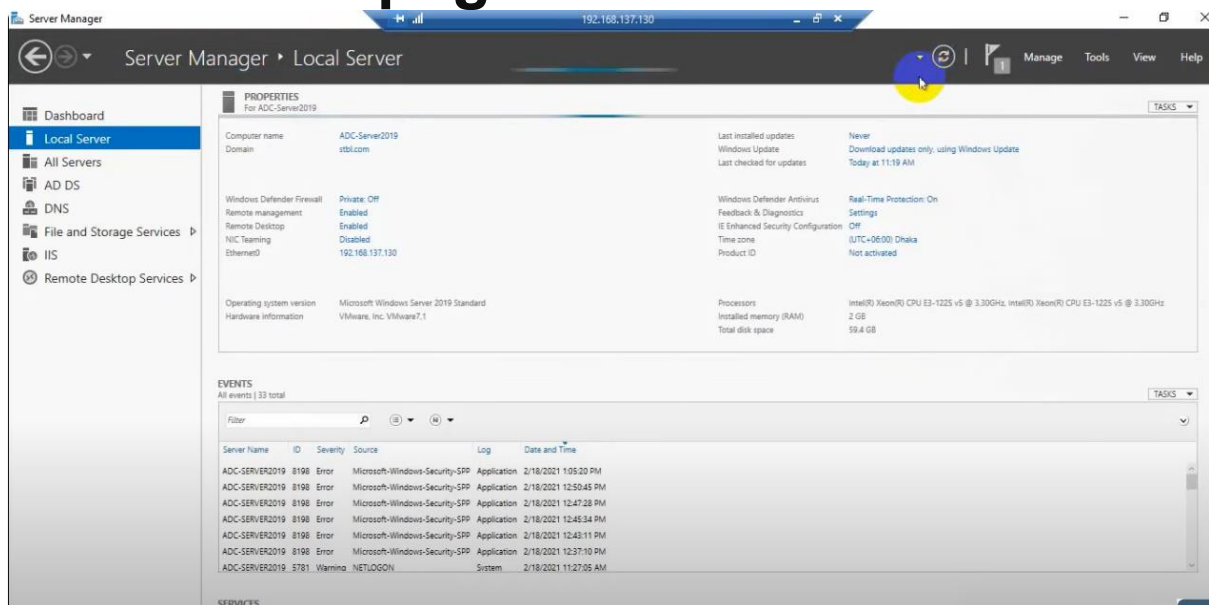
Run the below command in your cmd

```
gpupdate /force
```

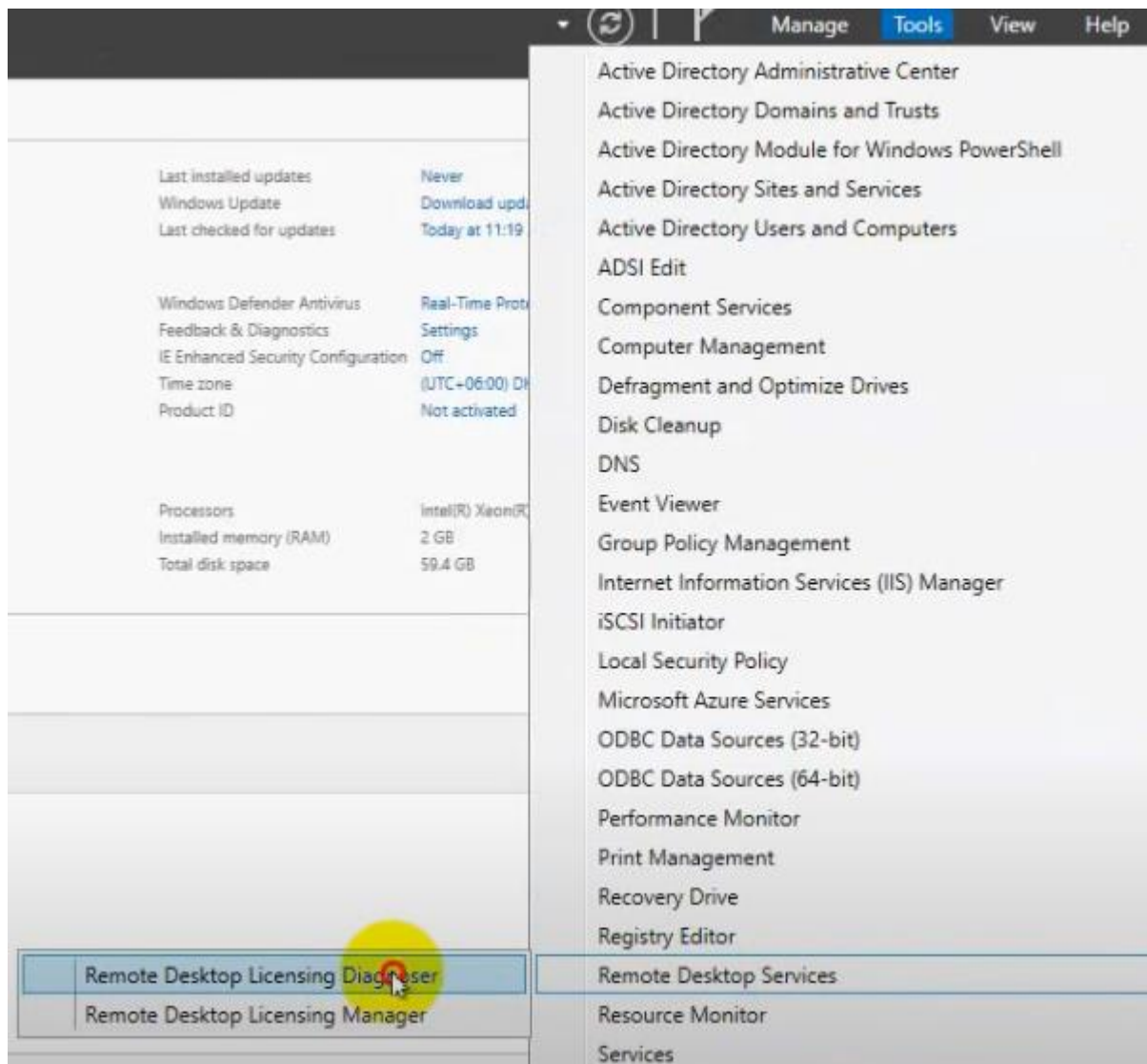
```
Administrator: Command Prompt - gpupdate /force
Microsoft Windows [Version 10.0.17763.737]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\administrator.STBL>gpupdate /force
Updating policy...
Computer Policy update has completed successfully.
```

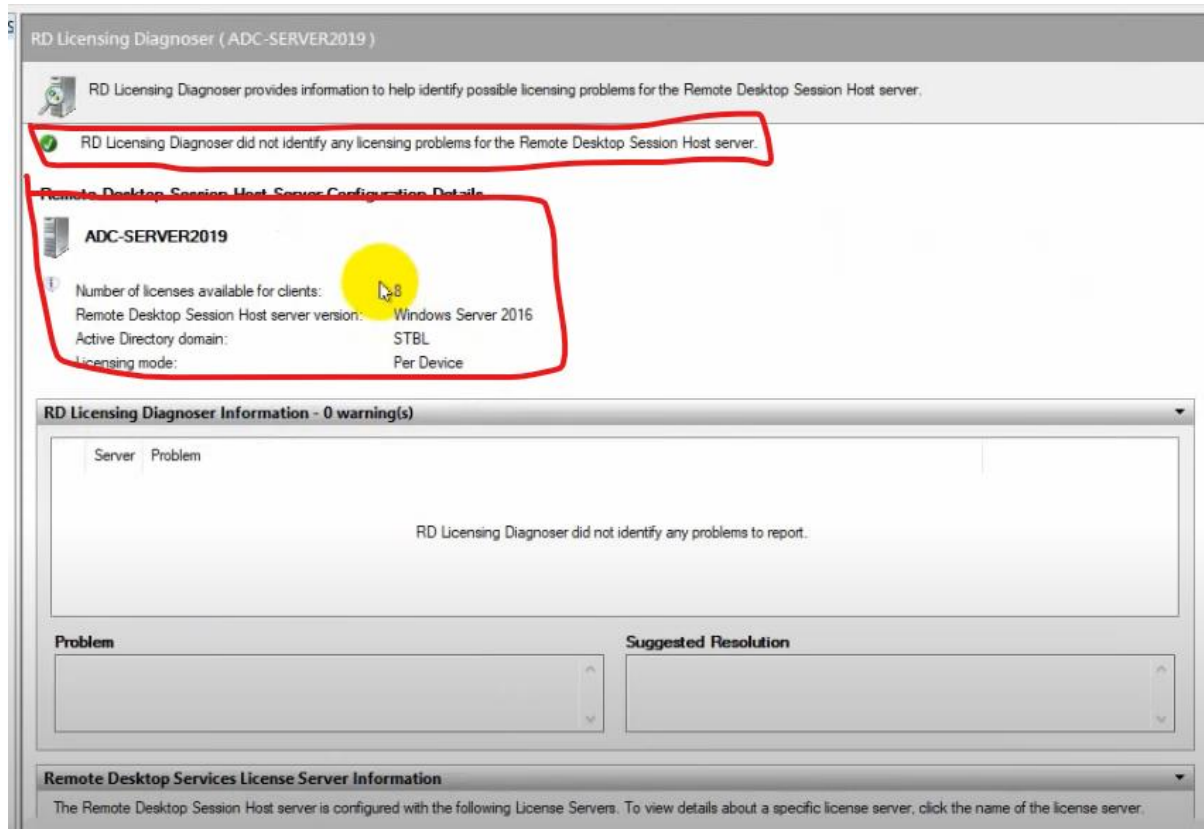
Refresh the page and click on tools



Remote Desktop Services → Remote Desktop License Diagnoser



You need to see the below data



These are the steps you need to follow to enable RDP for multiple users and multiple user accessing simultaneously.