

# **Tencent Cloud Lighthouse**

## **Ops Guide**

### **Product Documentation**



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Setting to Allow Multiple Users to Log in to Windows Instance Remotely

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## Setting to Allow Multiple Users to Log in to Windows Instance Remotely

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### Overview

This document describes how to configure a multi-user remote login to a Windows instance, taking a Lighthouse instance using the Windows Server 2016 system image as an example.

#### Note:

The trial period of the multi-user remote login feature provided by Microsoft is 120 days. If you haven't purchased multi-user login licenses (RDS CALs), after the trial ends, you can log in to the Lighthouse instance only through the `mstsc /admin` command but not Remote Desktop. Windows Server allows two users to log in at the same time by default, which meets most needs. Evaluate your needs based on your actual business scenarios, and if you strongly need to configure multi-user remote login, proceed as instructed in this document.

### Directions

#### Adding Remote Desktop Services

1. Log in to the Windows instance via WebRDP.
2. On the desktop, click



and select



in the pop-up window to open **Server Manager** as shown below:

Server Manager

Server Manager ▸ Dashboard

Dashboard

- Local Server
- All Servers
- File and Storage Services ▸

WELCOME TO SERVER MANAGER

1 Configure this local server

- 2 Add roles and features
- 3 Add other servers to manage
- 4 Create a server group
- 5 Connect this server to cloud services

QUICK START

WHAT'S NEW

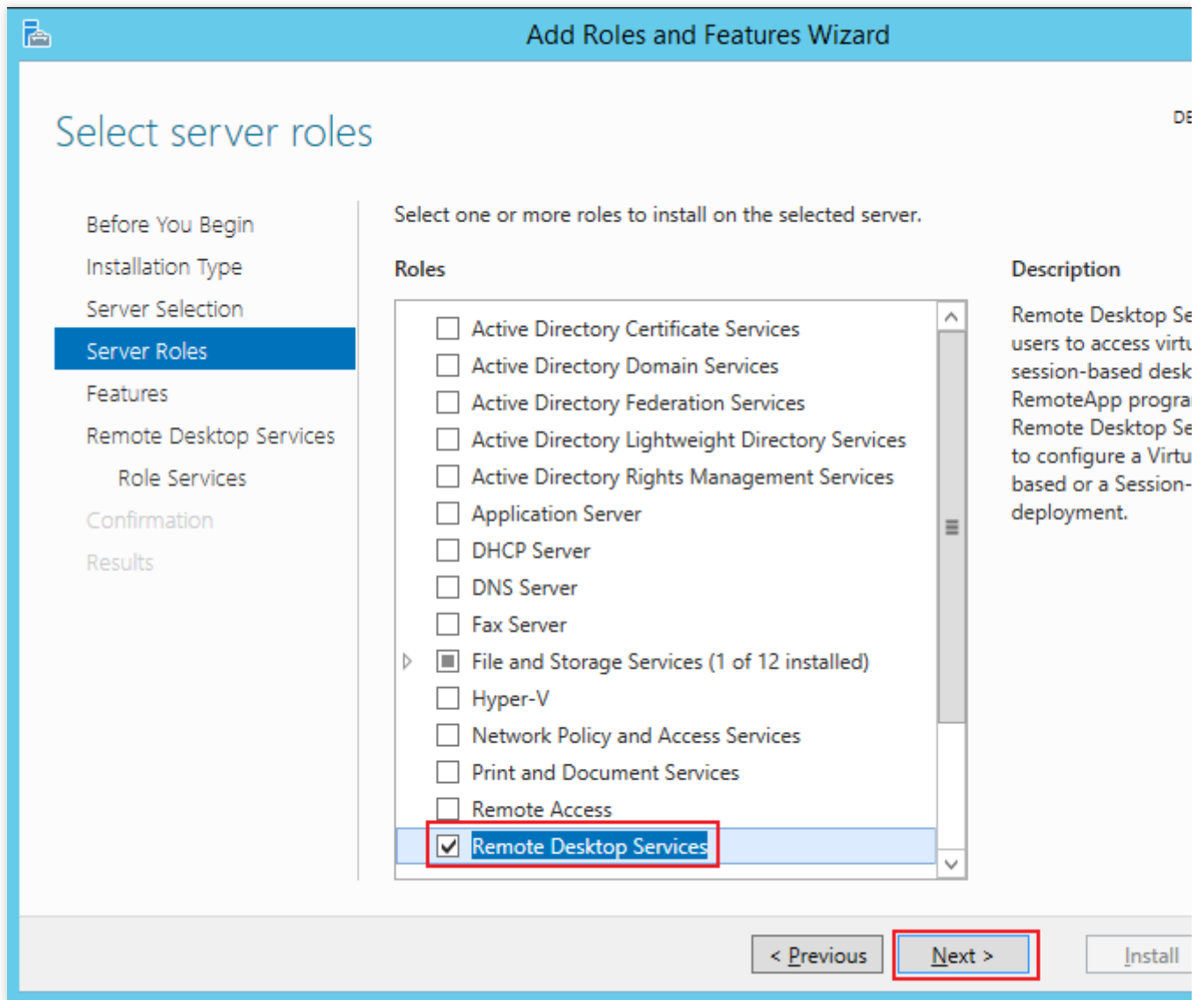
LEARN MORE

ROLES AND SERVER GROUPS

Roles: 1 | Server groups: 1 | Servers total: 1

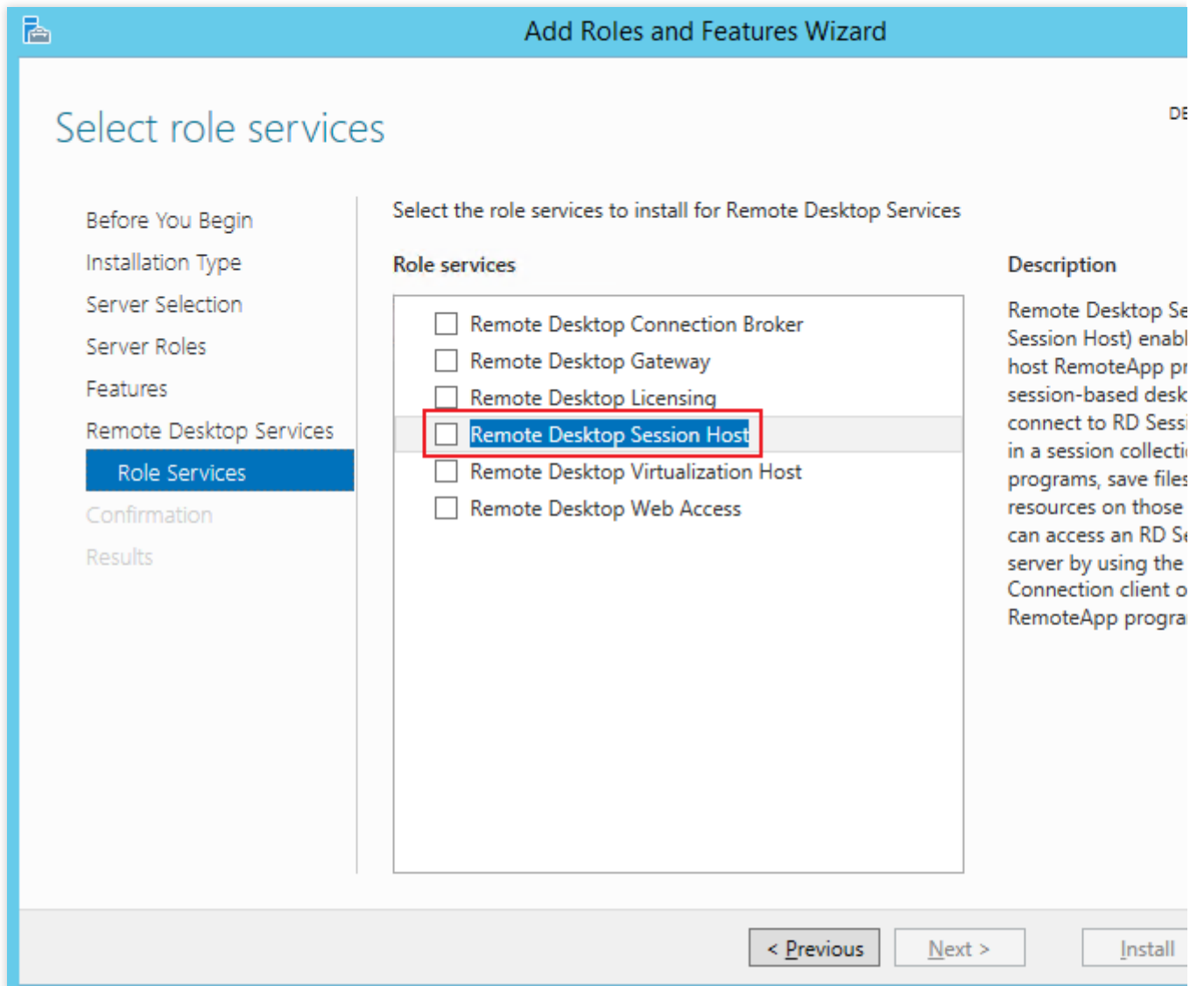
File and Storage Services 1	Local Server 1	All Servers
Manageability	Manageability	Manageability
Events	Events	Events
Performance	1 Services	1 Services
BPA results	Performance	Performance
	BPA results	BPA results
	11/4/2019 1:03 PM	

3. Click **Add Roles and Features**, and the **Add Roles and Features Wizard** window pops up.
4. In the **Add Roles and Features Wizard** window, keep the default parameters for the first three steps (click **Next** three times in a row).
5. On the **Select server roles** page, select **Remote Desktop Services** and click **Next**.

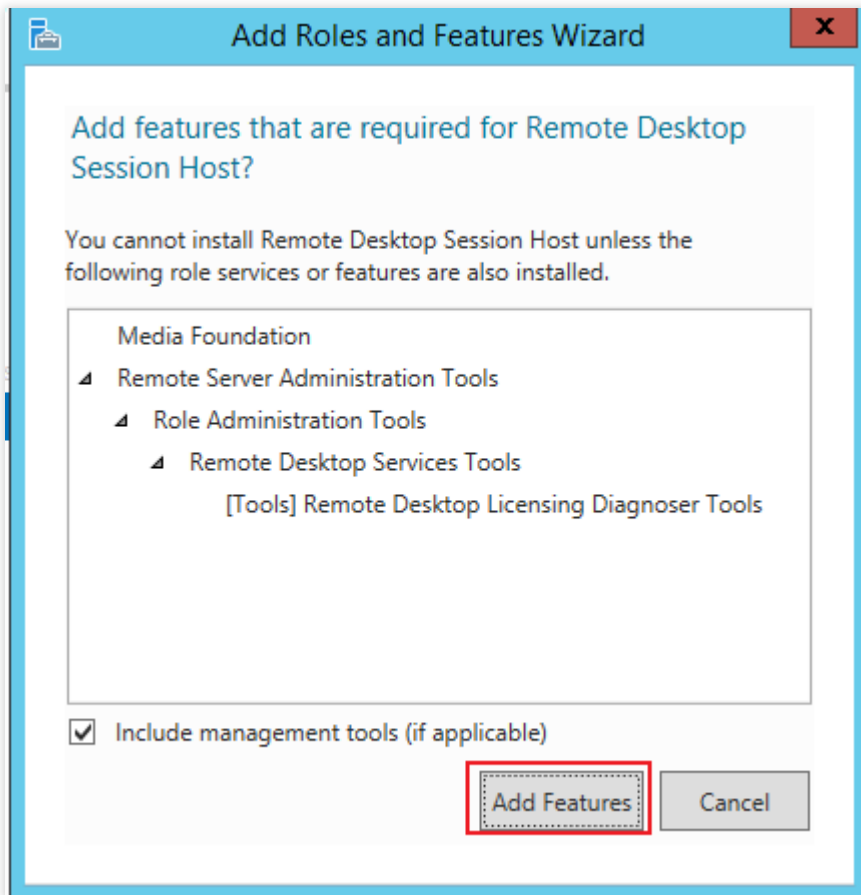


6. Keep the default parameters and click **Next** twice in a row.

7. On the **Select role services** page, select **Remote Desktop Session Host**.

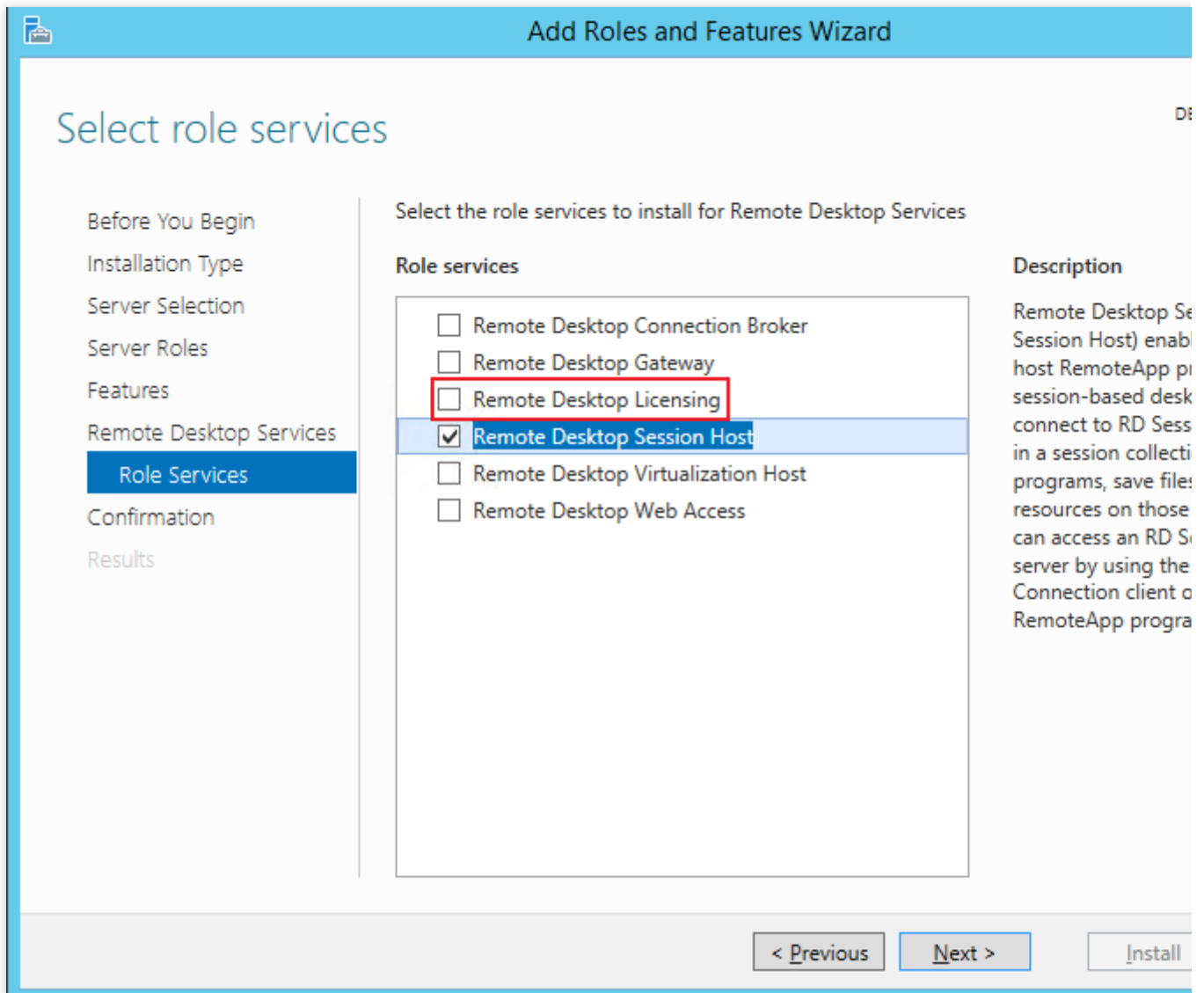


8. In the **Add features that are required for Remote Desktop Session Host?** pop-up window, click **Add Features**.

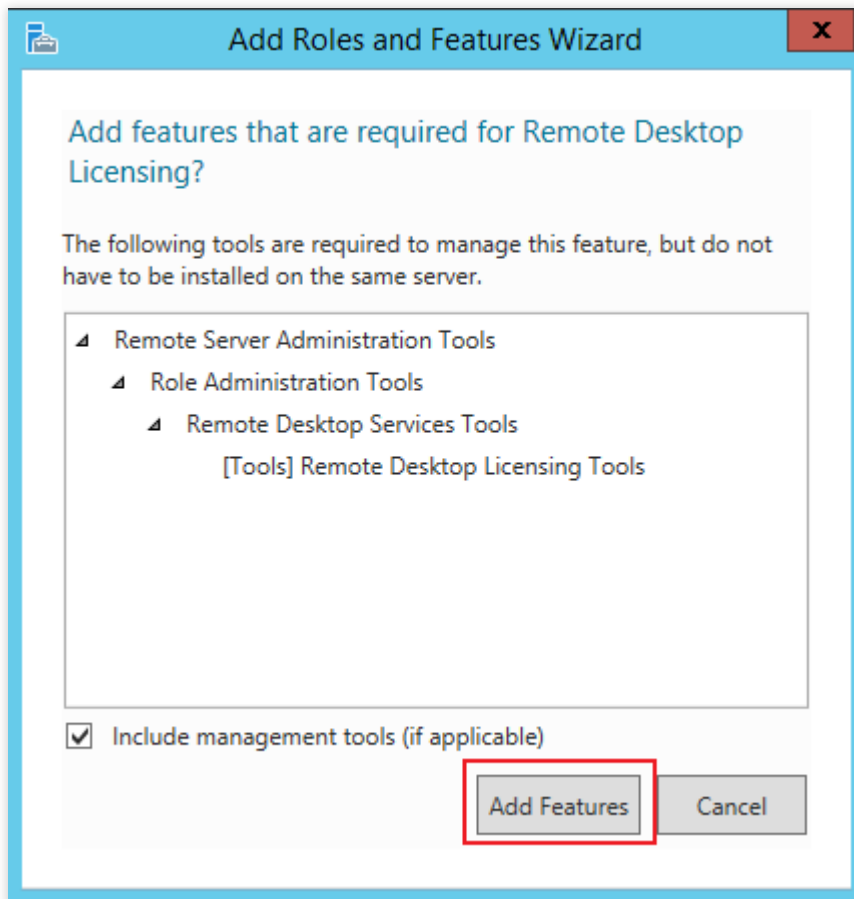


9. On the **Select role services** page, select **Remote Desktop Licensing**.





10. In the **Add features that are required for Remote Desktop Licensing?** pop-up window, click **Add Features** as shown below:



11. Click **Next**.
12. Select **Restart the destination server automatically if required** and click **Yes** in the pop-up window.
13. Click **Install** and wait for the installation of Remote Desktop Services to complete.

## Applying for multi-user login license

1. On the desktop, click



and select



in the pop-up window to open **Server Manager**.

2. In the **Server Manager** window, select **Tools** > **Remote Desktop Services** > **Remote Desktop Licensing Manager** in the top-right corner.
3. In the **Remote Desktop Licensing Manager** pop-up window, right-click the row of the target server and select **Activate Server**.
4. In the **Activate Server Wizard** pop-up window, click **Next**.

5. Select **Web Browser** for **Connection method** and click **Next**. You can also select other connection methods based on your actual conditions.

6.

In **License Server Activation**, record the product ID

and visit the [Remote Desktop Licensing website](#).

7. At the Remote Desktop Licensing website, select **Activate a license server** and click **Next**.

8. Enter the product ID obtained in [step 6](#), enter the company information based on your actual conditions, and click **Next**.

9. After confirming that everything is correct, click **Next**.

10.

Record the license server ID and click **Yes**.

11. Enter the license server ID obtained in the previous step, select the licensing information as needed, enter the company information, and click **Next**.

12. Select the product type and enter the product quantity and licensing information.

**Note:**

You can go to the [Microsoft official website](#) and contact the customer service to purchase RDS CALs.

13. After confirming that everything is correct, click **Next**.

14.

Get and record the key pack ID.

15. Click **Finish**.

## Activating Remote Desktop license server

1. On the desktop, click



and select



in the pop-up window to open **Server Manager**.

2. In the **Server Manager** window, select **Tools > Remote Desktop Services > Remote Desktop Licensing Manager** in the top-right corner.

3. In the **Remote Desktop Licensing Manager** pop-up window, right-click the row of the target server and select **Activate Server**.

4. In the **Activate Server Wizard** pop-up window, click **Next**.

5. Select **Web Browser** for **Connection method** and click **Next**. You can also select other connection methods based on your actual conditions.

6. In **License Server Activation**, enter the license server ID obtained in [step 10](#) and click **Next**.
7. When the **Activate Server Wizard** prompts **You have completed the Activate Server Wizard**, click **Next** to install the license.

## Installing RDS client access license

1. In the **Install Licenses Wizard** window, confirm the license server information and click **Next**.
2. In **Obtain Client License Key Pack**, enter the license server ID obtained in [step 14](#) and click **Next**.
3. When the **Install Licenses Wizard** prompts **You have completed the Install Licenses Wizard**, you have installed the license successfully.

## Configuring Remote Desktop Session Host license server

1. On the desktop, click



and select



in the pop-up window to open **Server Manager**.

2. In the **Server Manager** window, select **Tools > Remote Desktop Services > Remote Desktop Licensing Diagnoser** and view the current server status.
3. On the desktop, right-click



and select **Run** in the pop-up window.

4. In the **Run** window, enter **gpedit.msc** and press **Enter** to open Local Group Policy Editor.
5. On the left sidebar, select **Computer Configuration > Administrative Templates > Windows Components > Remote Desktop Services > Remote Desktop Session Host > Licensing** and double-click **Use the specified Remote Desktop license servers**.
6. In the **Use the specified Remote Desktop license servers** pop-up window, click **Enabled** and enter the "License servers to use". You can enter the public network IP or host name of the Lighthouse instance. Then, click **OK**.
7. Double-Click **Set the Remote Desktop licensing mode**.
8. In the **Set the Remote Desktop licensing mode** pop-up window, select **Enabled**, set the licensing mode for the Remote Desktop Session Host server to **By user**, and click **OK**.
9. Restart the Lighthouse instance.

## Configuring an unlimited number of connections for users to use Remote Desktop Services

1. On the desktop, right-click



and select **Run** in the pop-up window.

2. In the **Run** window, enter **gpedit.msc** and press **Enter** to open Local Group Policy Editor.
3. On the left sidebar, select **Computer Configuration > Administrative Templates > Window Components > Remote Desktop Services > Remote Desktop Session Host > Connections**, and double-click **Restrict Remote Desktop Services users to a single Remote Desktop Services session**.
4. In the **Restrict Remote Desktop Services users to a single Remote Desktop Services session** pop-up window, click **Disabled** to allow users to establish unlimited simultaneous remote connections by using Remote Desktop Services. Then, click **OK**.
5. Double-click **Limit number of connections**.
6. In the **Limit number of connections** pop-up window, click **Enabled** and enter the **RD Maximum Connections allowed**. Then, click **OK**.

At this point, you have completed the configuration of multi-user remote login.

## References

[License your RDS deployment with client access licenses \(CALs\)](#)

[Activate the Remote Desktop Services license server](#)

[Install RDS client access licenses on the Remote Desktop license server](#)