

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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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



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

<u></u>			Server Manager	
Server M	lanager 🕨 Dash	board		
🛄 Dashboard	WELCOME TO SERV	ER MANAGER		
Local Server				
■ File and Storage Services ▷		1 Confi	gure this local server	
	QUICK START	2 44	d roles and features	
		Z AU	u roles and leatures	
		3 Ad	d other servers to manage	
	WHAT'S NEW	4 Cre	eate a server group	
		5 Co	nnect this server to cloud serv	vices
	LEARN MORE			
	ROLES AND SERVER	GROUPS	1	
	- File and Sto			
	Services	¹⁴⁹⁰ 1	Local Server	1 All Serv
	 Manageabilit 	у	Manageability	Manage
	Events		Events	Events
	Performance RRA results		1 Services	1 Services
	br A results		BPA results	BPA res
			11/4/2019 1:03 P	M

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.

a	Add Roles and Features Wizard	
Select server roles Before You Begin Installation Type Server Selection Server Roles Features Remote Desktop Services Role Services Confirmation Results	Add Roles and Features Wizard Select one or more roles to install on the selected server. Roles Active Directory Certificate Services Active Directory Domain Services Active Directory Federation Services Active Directory Lightweight Directory Services Active Directory Rights Management Services Application Server DHCP Server DNS Server Fax Server Metwork Deliac and Access Services (1 of 12 installed) Hyper-V Network Deliac and Access Services 	Description Remote Desktop Se users to access virtu session-based desk Remote Desktop Se to configure a Virtu based or a Session- deployment.
	 Network Policy and Access Services Print and Document Services Remote Access Remote Desktop Services 	~
	< <u>P</u> revious	<u>N</u> ext > <u>I</u> nstall

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

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

🚡 Add Ro	les and Features Wizard
Before You Begin Installation Type Server Selection Server Roles Features Remote Desktop Services Remote Desktop Services Confirmation Results	p Connection Broker p Gateway p Licensing p Session Host p Virtualization Host p Web Access Description Remote Desktop Se Session Host) enabl host RemoteApp pro session-based desk connect to RD Sess in a session collection programs, save files resources on those can access an RD Se server by using the Connection client o RemoteApp program
	< <u>Previous</u> <u>N</u> ext > <u>I</u> nstall

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

Add Roles and Features Wizard	
Add features that are required for Remote Desktop Session Host?	
You cannot install Remote Desktop Session Host unless the following role services or features are also installed.	
Media Foundation A Remote Server Administration Tools A Role Administration Tools A Remote Desktop Services Tools [Tools] Remote Desktop Licensing Diagnoser Tools	
✓ Include management tools (if applicable) Add Features Cancel	

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

è	Add Roles and Features Wizard	
Select role service Before You Begin Installation Type Server Selection Server Roles Features Remote Desktop Services Role Services Confirmation Results	Select the role services to install for Remote Desktop Services Role services Remote Desktop Connection Broker Remote Desktop Gateway Remote Desktop Session Host Remote Desktop Virtualization Host Remote Desktop Web Access	Description Remote Desktop Se Session Host) enab host RemoteApp p session-based desk connect to RD Sess in a session collecti programs, save files resources on those can access an RD S server by using the Connection client of RemoteApp progra
	< <u>P</u> revious <u>N</u> ext	> <u>I</u> nstall

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

Add Roles and Features Wizard		
Add features that are required for Remote Desktop Licensing?		
The following tools are required to manage this feature, but do not have to be installed on the same server.		
▲ Remote Server Administration Tools		
A Role Administration Tools		
▲ Remote Desktop Services Tools		
Include management tools (if applicable)		
Add Features Cancel		

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



in the pop-up window to open Server Manager.

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



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





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 Services 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