

# The Solutions of RDP Multi-User Connection Problem

## 【Problem Description】

After windows Updated, only one client can connect to the host.

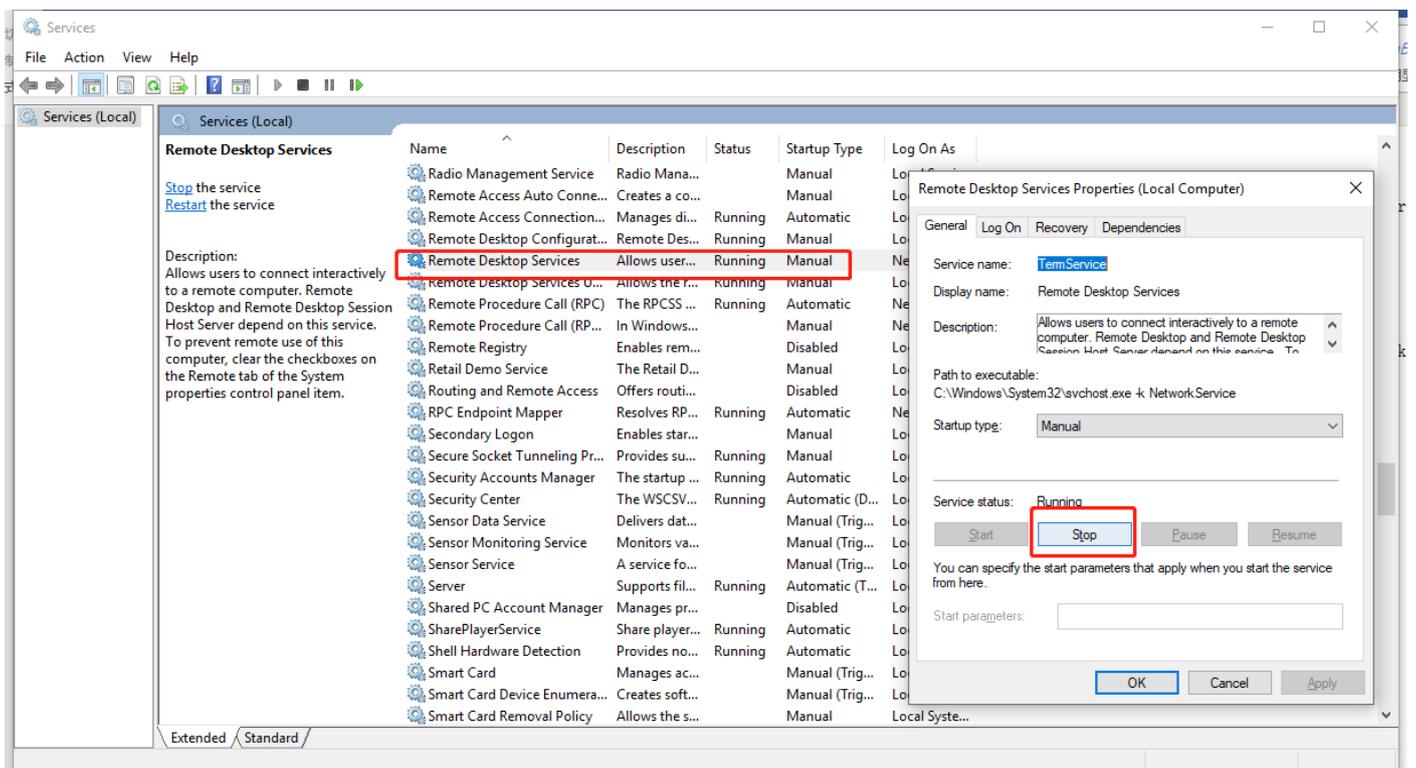
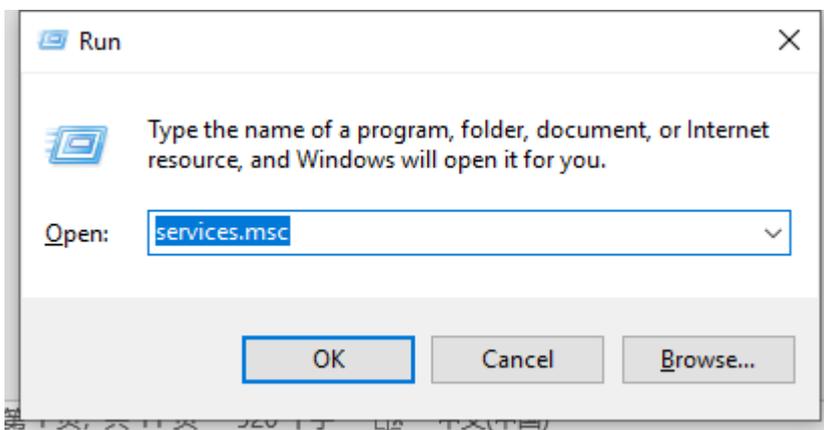
## 【Problem Source】

The windows updated change the terminal services file (**termsrv.dll**) , then cause the multi-user connection failed.

## 【Solution 1: Replace the termsrv.dll file】

### 1. Stop the Remote Desktop Service:

Open the “RUN”, type “services.msc”, then find the “Remote Desktop Services”, double click and stop it.



### 2. Replace the “termsrv.dll” file

2008R2	File folder
2012R2	File folder
2016	File folder
2019	File folder
win7	File folder
win8.1	File folder
win10	File folder

Double click the above file and unzip the correct old version “ternsrv.dll” file according to your operating system.

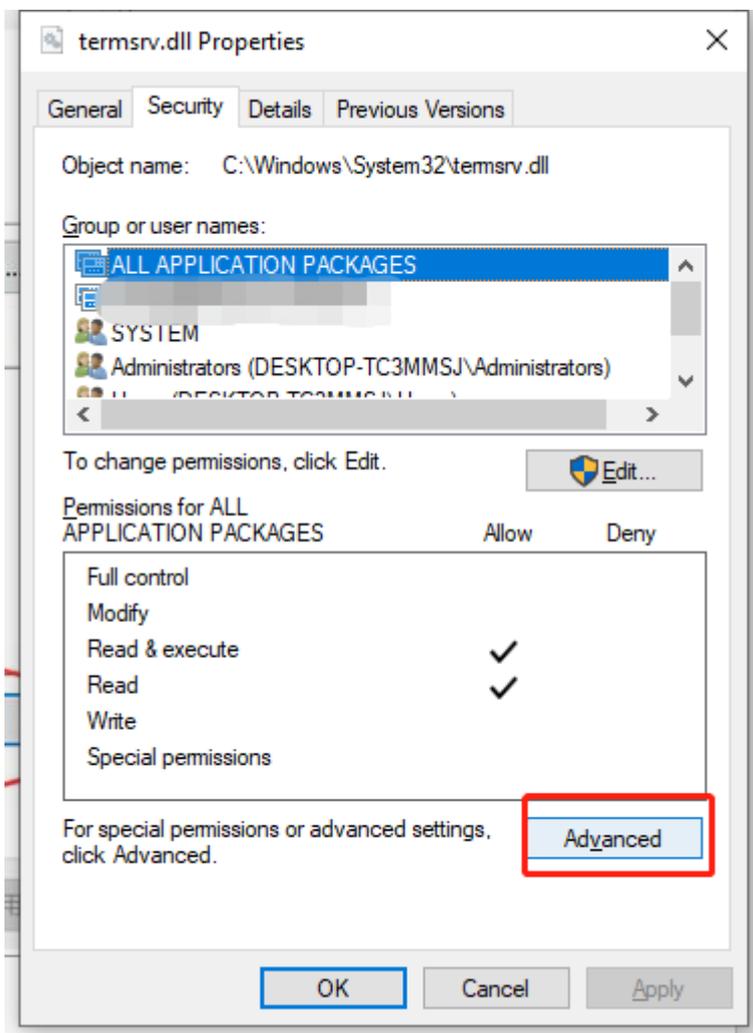
Go to C: \Windows\System32, right-click the file, select “properties” “security”

The screenshot shows a Windows File Explorer window with the address bar set to 'Local Disk (C:) > Windows > System32'. The file list contains various system files, with 'ternsrv.dll' highlighted. The Properties dialog box for 'ternsrv.dll' is open, showing the Security tab. The 'Security' tab is selected, and the 'Security' button in the dialog is highlighted with a red box. The 'Group or user names' list includes 'ALL APPLICATION PACKAGES', 'SYSTEM', and 'Administrators (DESKTOP-TC3MMSJ\Administrators)'. The permissions for 'ALL APPLICATION PACKAGES' are shown as follows:

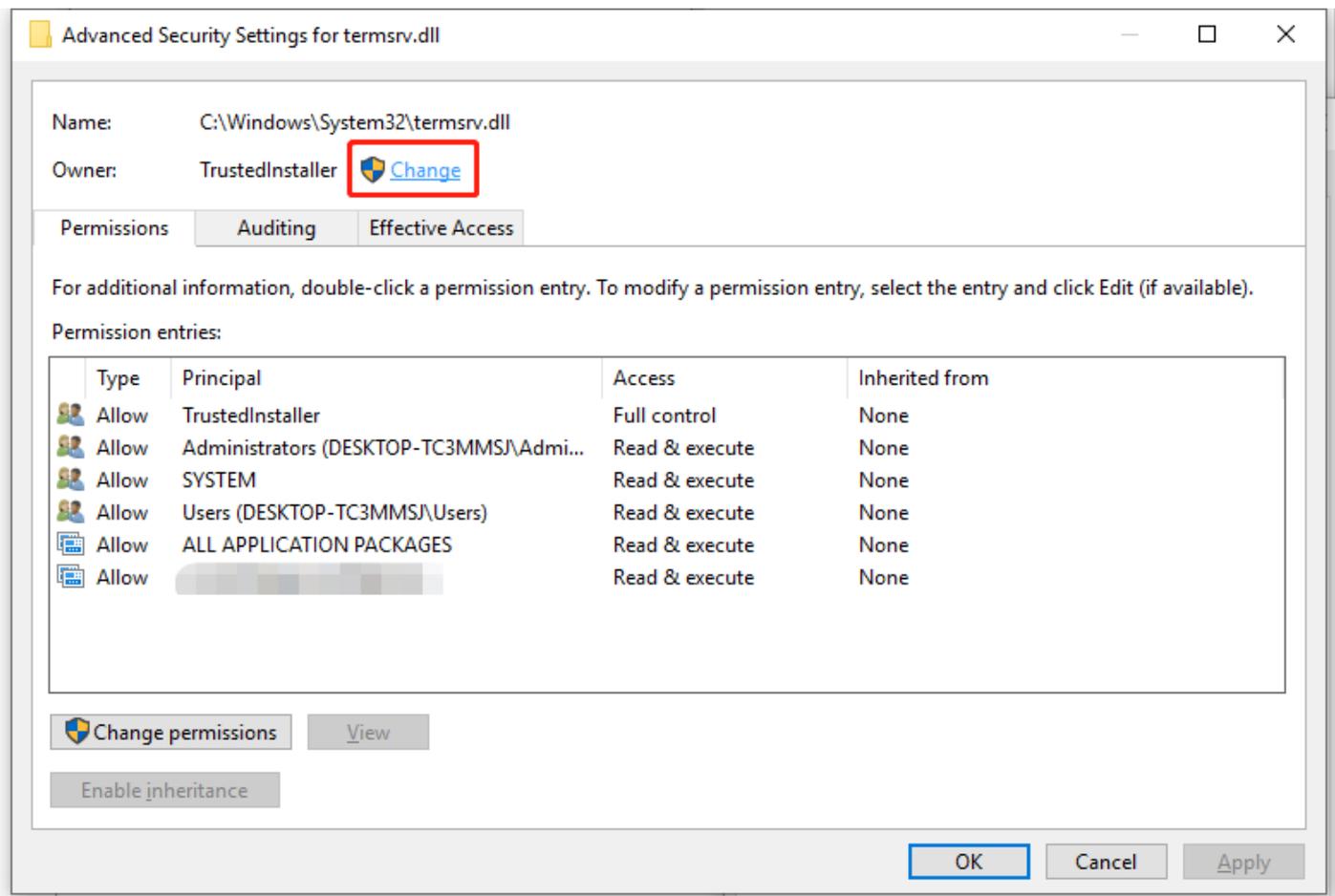
Permissions for ALL APPLICATION PACKAGES	Allow	Deny
Full control		
Modify		
Read & execute	✓	
Read	✓	
Write		
Special permissions		

At the bottom of the dialog, there is an 'Advanced' button for special permissions or advanced settings.

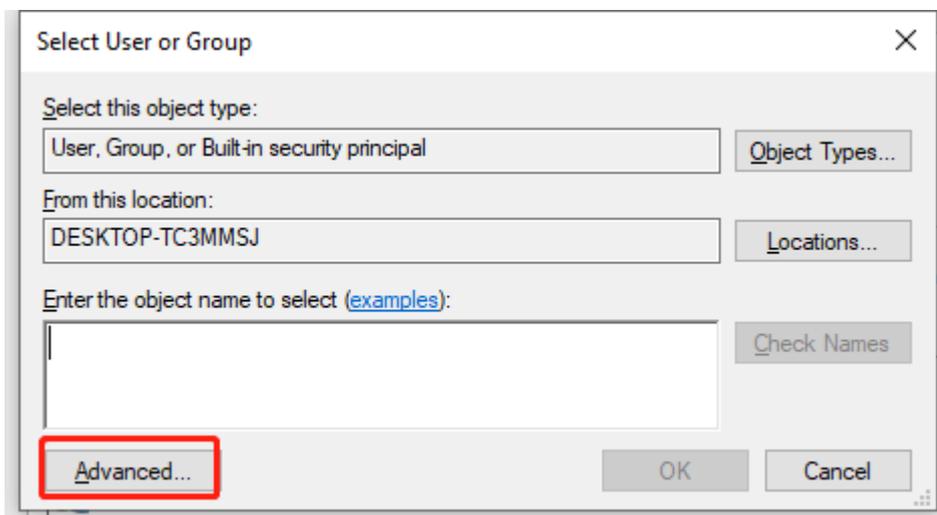
→ Click “Advanced”



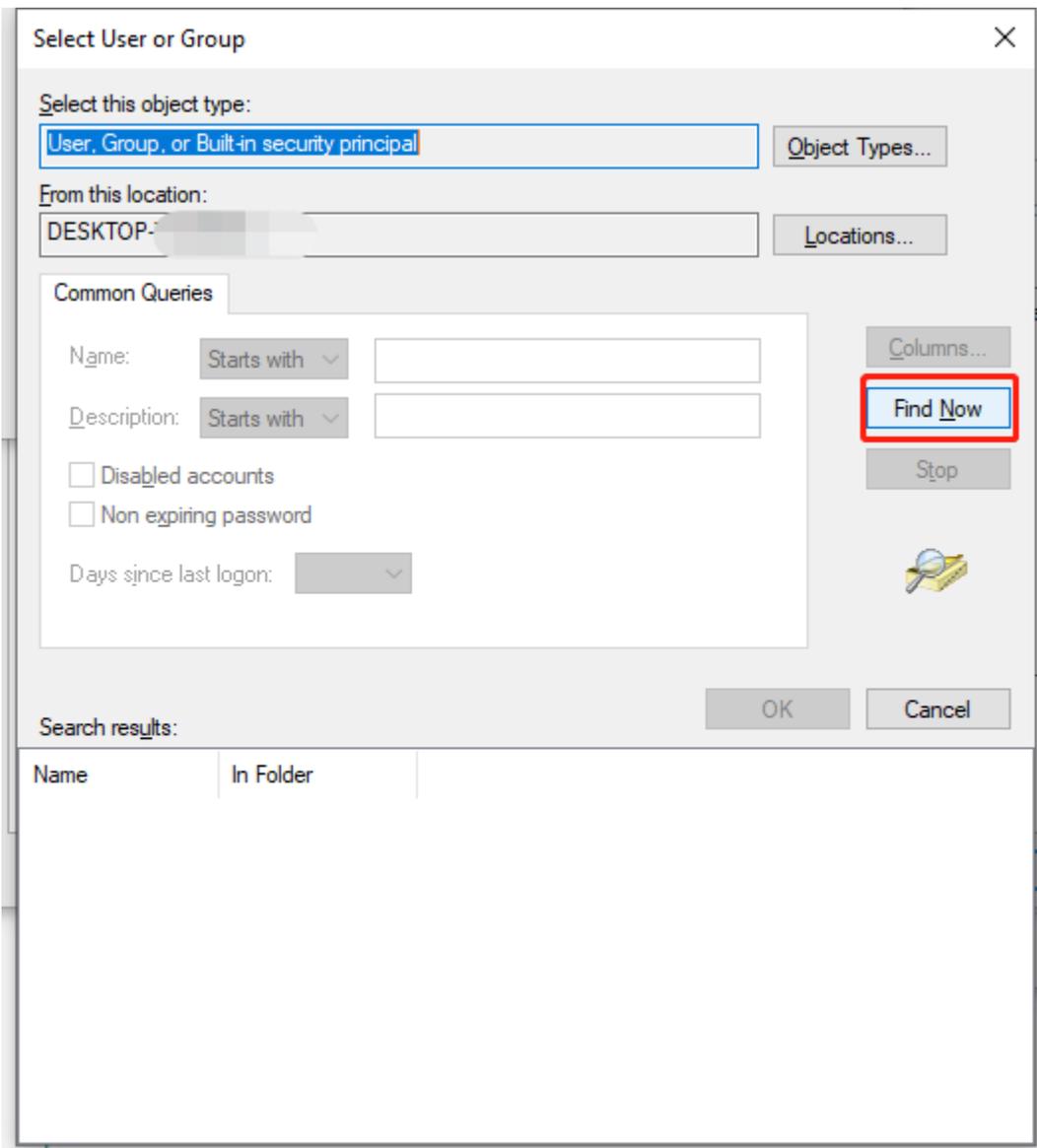
→ Click “Change” to change the owner



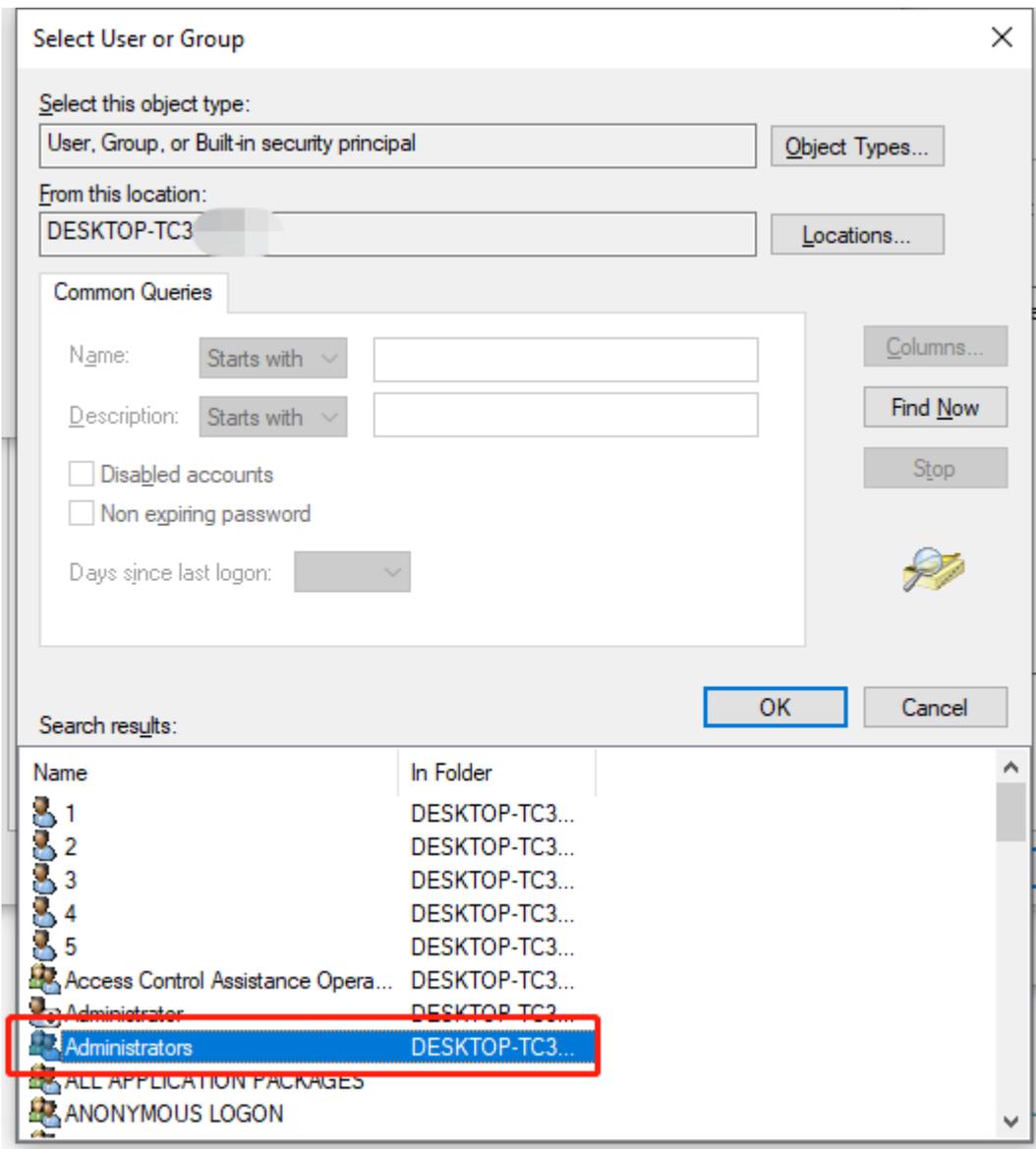
→ Click “Advanced..”



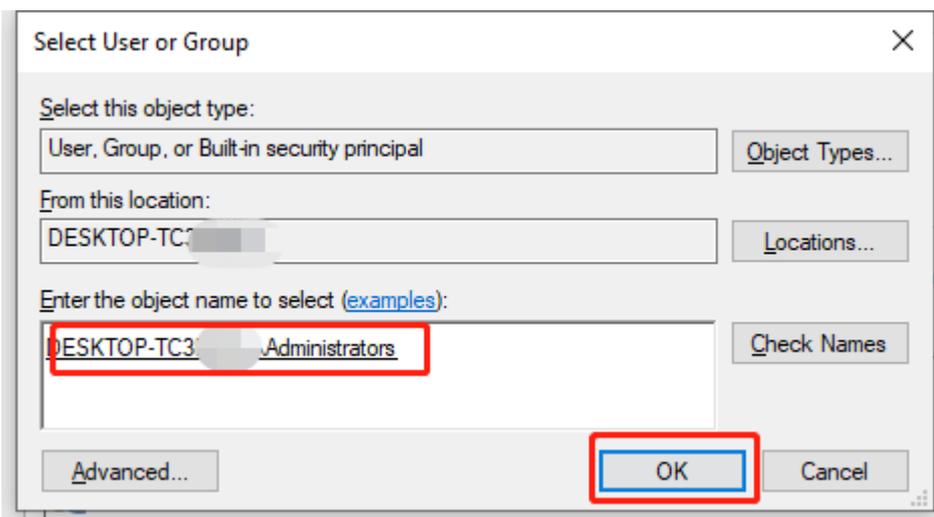
→ Click “find now”

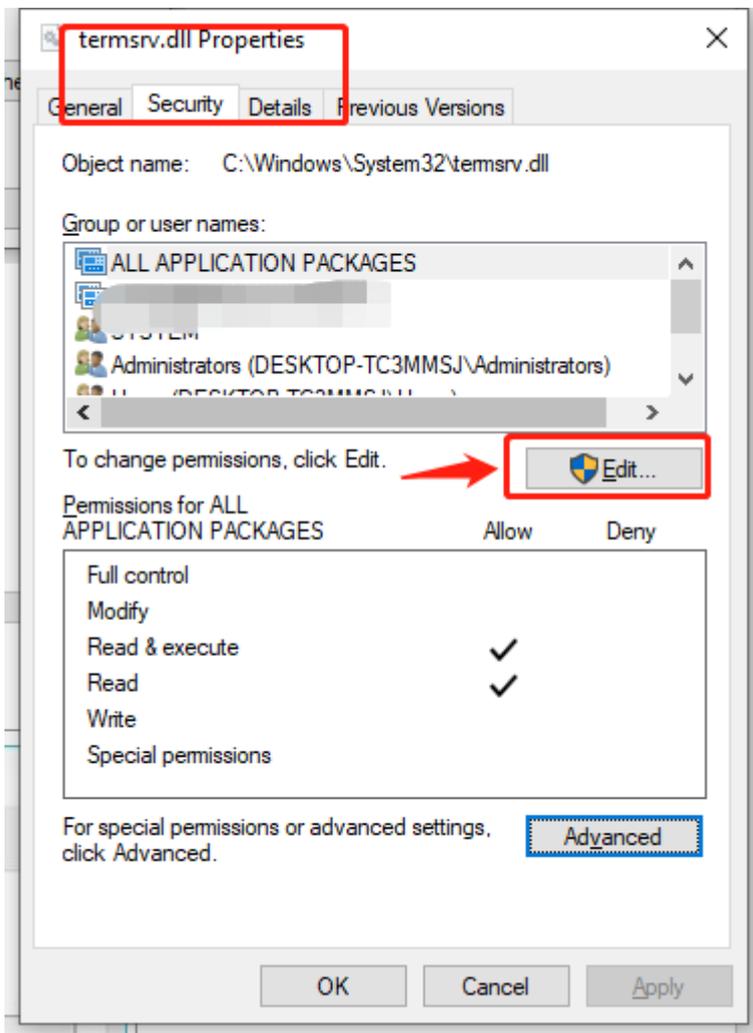


→ Select the “administrators” group

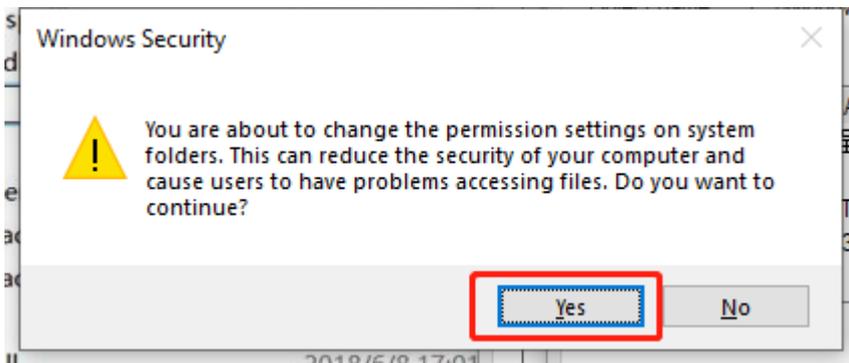
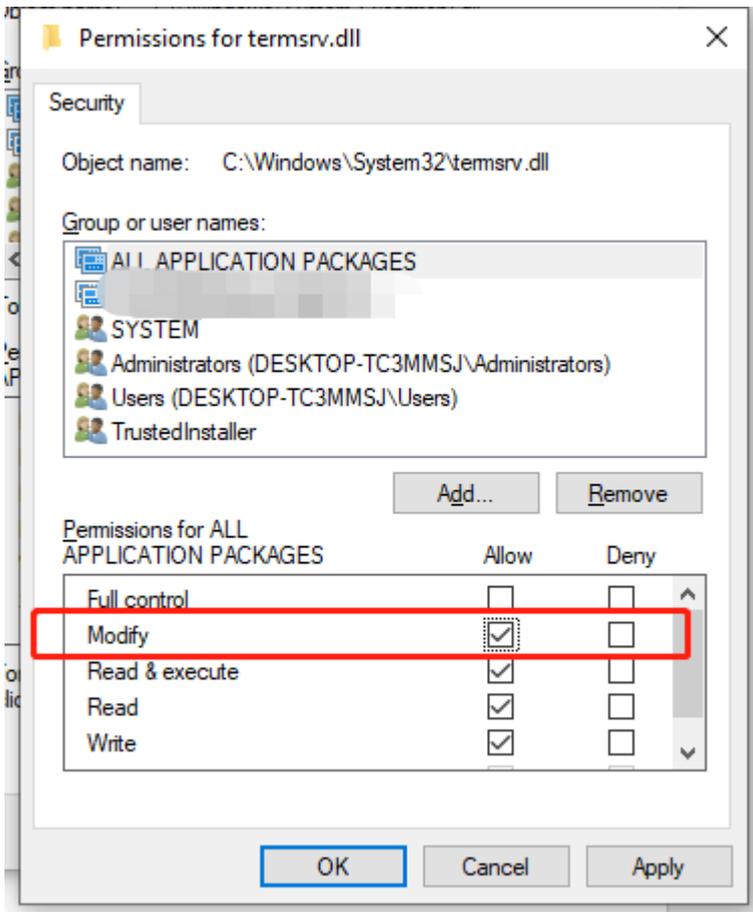


→ Apply and save the settings, back to the “security” tab, click “Edit..”





→ Click the box of “modify”



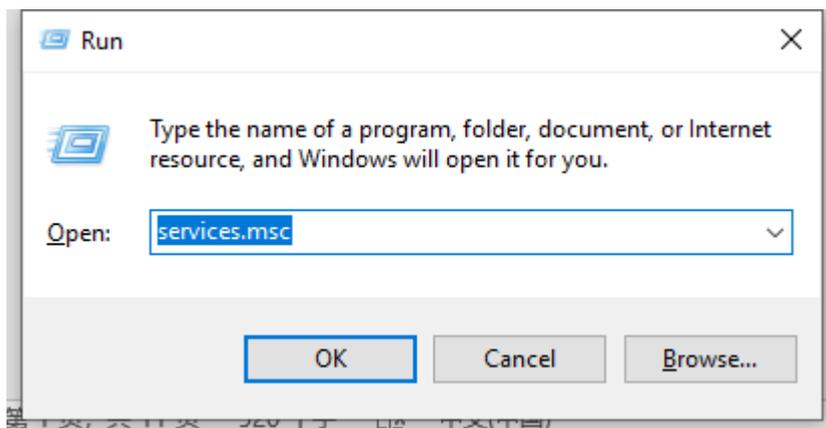
→ Apply and save the settings, right click “termsrv.dll” file, rename the file such as “termsrv.dll.bak”

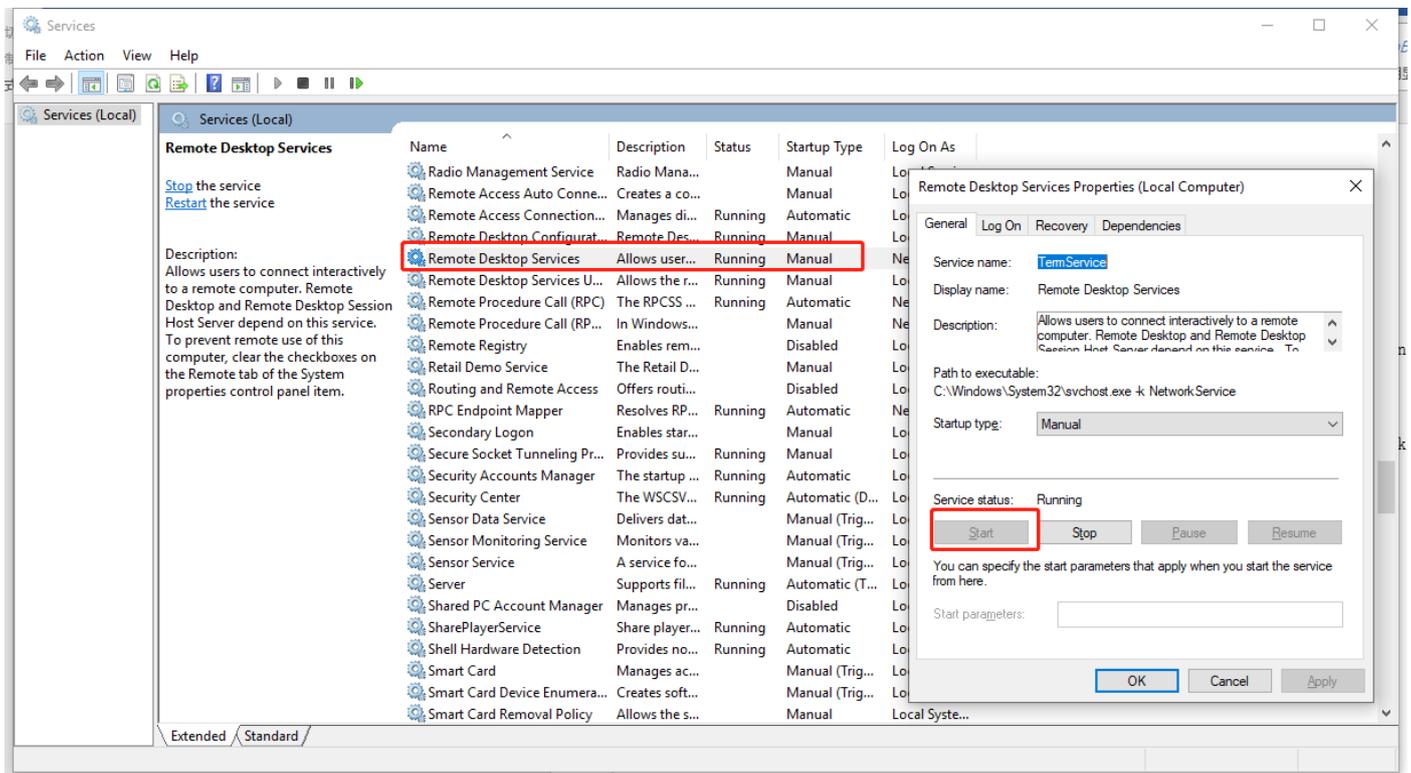
tetheringservice.dll	2018/11/1 14:39
TetheringMgr.dll	2018/4/12 7:34
TetheringleProvider.dll	2018/4/12 7:34
tetheringconfigsp.dll	2018/4/12 7:34
tetheringclient.dll	2018/4/12 7:34
termsrv.dll.bak	2018/4/12 7:34
termmgr.dll	2018/4/12 7:34
TempSignedLicenseExchangeTask.dll	2018/4/12 7:34
TelephonyInteractiveUserRes.dll	2018/4/12 7:34
TelephonyInteractiveUser.dll	2018/5/20 19:26
telephon.cpl	2018/4/12 7:34
TDLMigration.dll	2018/6/8 17:01
tdh.dll	2018/10/21 20:4

→ Click “YES” which tips show confirm to rename, then copy and replace the old version “termsrv.dll” file which has download before in current folder.

### 3. Start the Remote Desktop Service

Open the “RUN”, type “services.msc”, then find the “Remote Desktop Services”, double click and start it.





#### 4. Reinstall the RDP Wrapper

Run the “install.bat” file in the RDP Wrapper folder.

File Name	Date Modified	Type	Size
1.bat	3/9/2019 11:55 PM	Windows Batch File	3 KB
install.bat	4/17/2019 12:45 AM	Windows Batch File	4 KB
RDPCheck.exe	8/13/2015 12:23 AM	Application	1,021 KB
RDPConf.exe	12/28/2017 2:29 AM	Application	1,071 KB
RDPWInst.exe	12/28/2017 1:20 AM	Application	1,426 KB
rdpwrap.ini	4/17/2019 12:35 AM	Configuration sett...	152 KB
uninstall.bat	4/17/2019 12:46 AM	Windows Batch File	1 KB
update.bat	2/26/2019 2:14 PM	Windows Batch File	1 KB

### **[Solution 2: Uninstall the latest windows updated]**

Can use the ways below to uninstall the updated:

“Start” → “Settings” → “Update & Security” → “view update history” → “Uninstall updates” → select the updated which you want to uninstall → click “uninstall”

# Windows Settings

Find a setting 



**System**  
Display, sound, notifications,  
power



**Devices**  
Bluetooth, printers, mouse



**Phone**  
Link your Android, iPhone



**Network & Internet**  
Wi-Fi, airplane mode, VPN



**Personalization**  
Background, lock screen, colors



**Apps**  
Uninstall, defaults, optional  
features



**Accounts**  
Your accounts, email, sync,  
work, family



**Time & Language**  
Speech, region, date



**Gaming**  
Game bar, captures,  
broadcasting, Game Mode



**Ease of Access**  
Narrator, magnifier, high  
contrast



**Privacy**  
Location, camera



**Update & Security**  
Windows Update, recovery,  
backup



**Search**  
Language, permissions, history



Home

Find a setting

Update & Security

Windows Update

Delivery Optimization

Windows Security

Backup

Troubleshoot

Recovery

Activation

Find my device

For developers

Windows Insider Program

# Windows Update



## Error encountered

Last checked: 4/21/2019, 12:30 AM

Your device is missing important security and quality fixes.

We could not complete the install because an update service was shutting down.

Retry

[Change active hours](#)

[View update history](#)

[Advanced options](#)

Looking for info on the latest updates?

[Learn more](#)

Related links

[Check Storage](#)

[OS build info](#)

Have a question?

[Get help](#)

Make Windows better

# View update history

**Uninstall updates**

[Recovery options](#)

## Update history

Quality Updates (2)

2019-02 用于 .NET Framework 4.7.2 的更新 (KB4483452) version 1809 (KB4483452)

Successfully installed on 4/28/2019

2019-02 用于 .NET Framework 4.7.2 的更新 (KB4483452) version 1809 (KB4483452) (2)

Last failed install attempt on 4/28/2019 - 0x80240034

> Driver Updates (2)

## Have a question?

[Get help](#)

The screenshot shows the 'Installed Updates' window in Windows. The title bar reads 'Installed Updates'. The breadcrumb navigation is 'Control Panel > All Control Panel Items > Programs and Features > Installed Updates'. There is a search bar for 'Search Installed Updates'. The main content area is titled 'Uninstall an update' and includes instructions: 'To uninstall an update, select it from the list and then click Uninstall or Change.' Below this is a table of installed updates.

Name	Program	Version	Publisher	Installed On
Microsoft Windows (5)				
Update for Microsoft Windows (KB4483452)	Microsoft Windows		Microsoft Corporation	4/28/2019
Security Update for Adobe Flash Player	Microsoft Windows		Microsoft Corporation	1/8/2019
Security Update for Microsoft Windows (KB4480116)	Microsoft Windows		Microsoft Corporation	1/8/2019
Update for Microsoft Windows (KB4470502)	Microsoft Windows		Microsoft Corporation	1/8/2019
Security Update for Microsoft Windows (KB4470788)	Microsoft Windows		Microsoft Corporation	1/8/2019

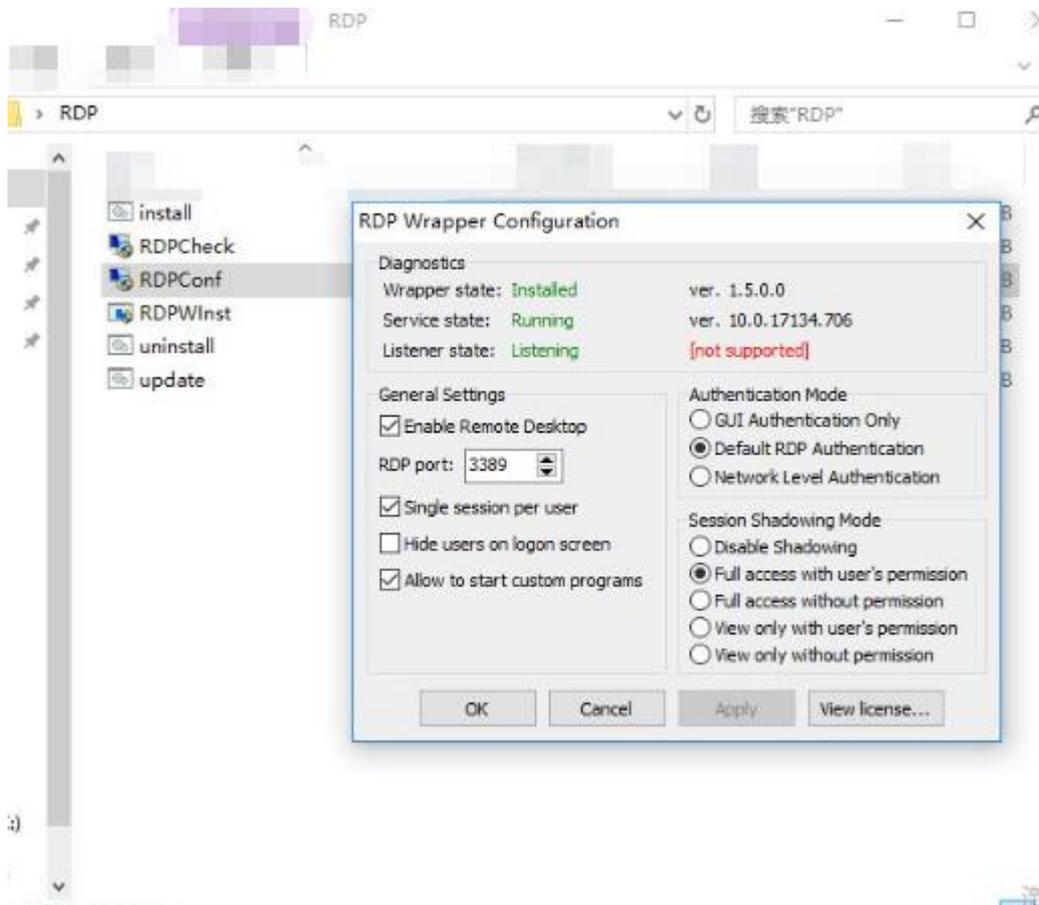
At the bottom of the window, there is a footer for Microsoft Corporation with the parent name 'Microsoft Windows' and a support link: <http://support.microsoft.com/?kbid=4483452>.

Or run the CMD command to uninstall: wusa/uninstall/kb[the name of the updated]/quiet

### **[Solution 3: install the RDP Wrap software]**

Run the RDPWrap software or the “install.bat” file to install

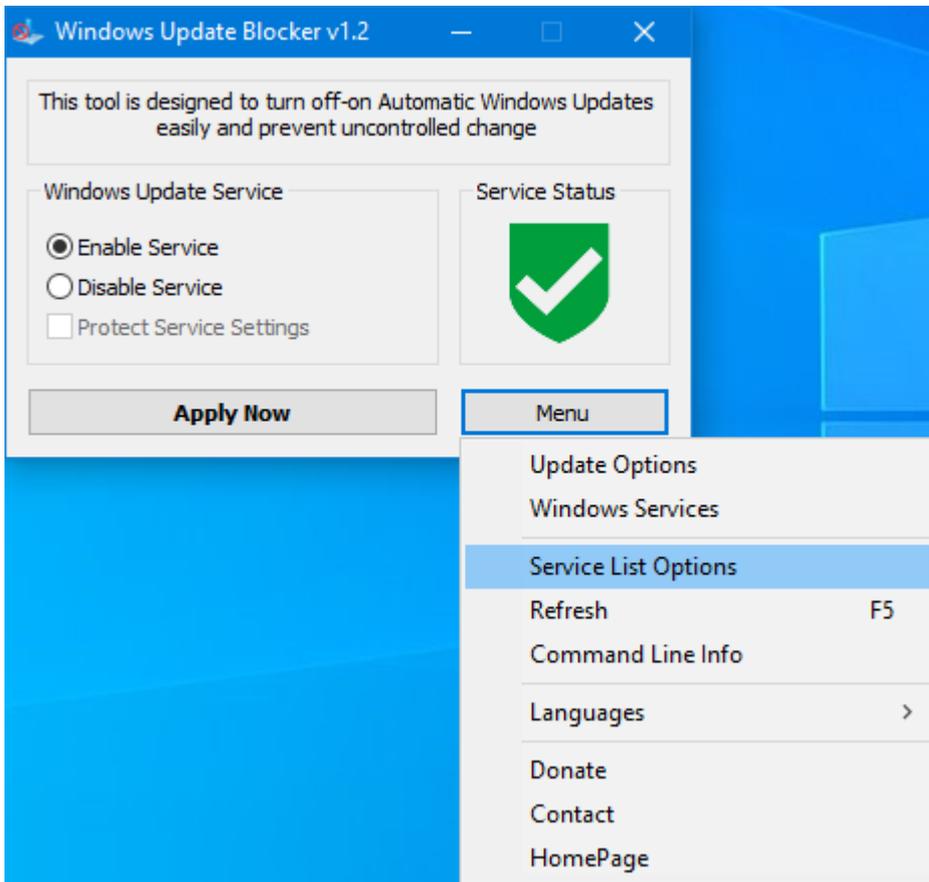
If there are showing “not support” when open the “RDPConf.exe” file, it means that your current operating system is not support, Need to install the latest version of RDPWrap software to make your operating system support.



## For Extra:

### **[How to disable the Windows Updated]**

Windows Update blocker is developed by BlueLife. Windows Update Blocker is free software, it can help to automatic and fully disable or enable the Windows Updated on Windows System, Only need to click the button in the software.



For download Windows Update blocker V1.2:

<https://www.sordum.org/9470/windows-update-blocker-v1-2/>

The Operation principle of Windows Update blocker is to Disable or Enable some of the services about the windows updated automatically, include delivery Optimization Service (dosvc), Windows Update Medic Service (WaaSMedicSvc), Update Orchestrator Service (UsoSv), Background Intelligent Transfer Service (BITS).

You can also close them manually in the services panel though run “services.msc”

### 【About the RDP Wrapper】

RDP Wrapper is developed by Stas’M Corp and released on

Github(<https://github.com/stascorp/rdpwrap>), it is no permission to use RDP Wrapper in

Microsoft. we recommend you to use the RDP Wrapper for testing or trialing.

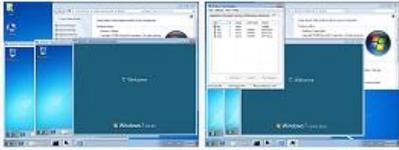
And if possible we also recommend you to purchase and install RDS-CAL which is legal through Microsoft. The Operating System which has installed the legal RDS-CAL will not be influenced by the Windows Updated.

# RDP Wrapper Library by Stas'M

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The goal of this project is to enable Remote Desktop Host support and concurrent RDP sessions on reduced functionality systems for home usage.

RDP Wrapper works as a layer between Service Control Manager and Terminal Services, so the original termsrv.dll file remains untouched. Also this method is very strong against Windows Update.

NT Version	Screenshots
Windows Vista	
Windows 7	
Windows 8	
Windows 8.1	
Windows 10	