



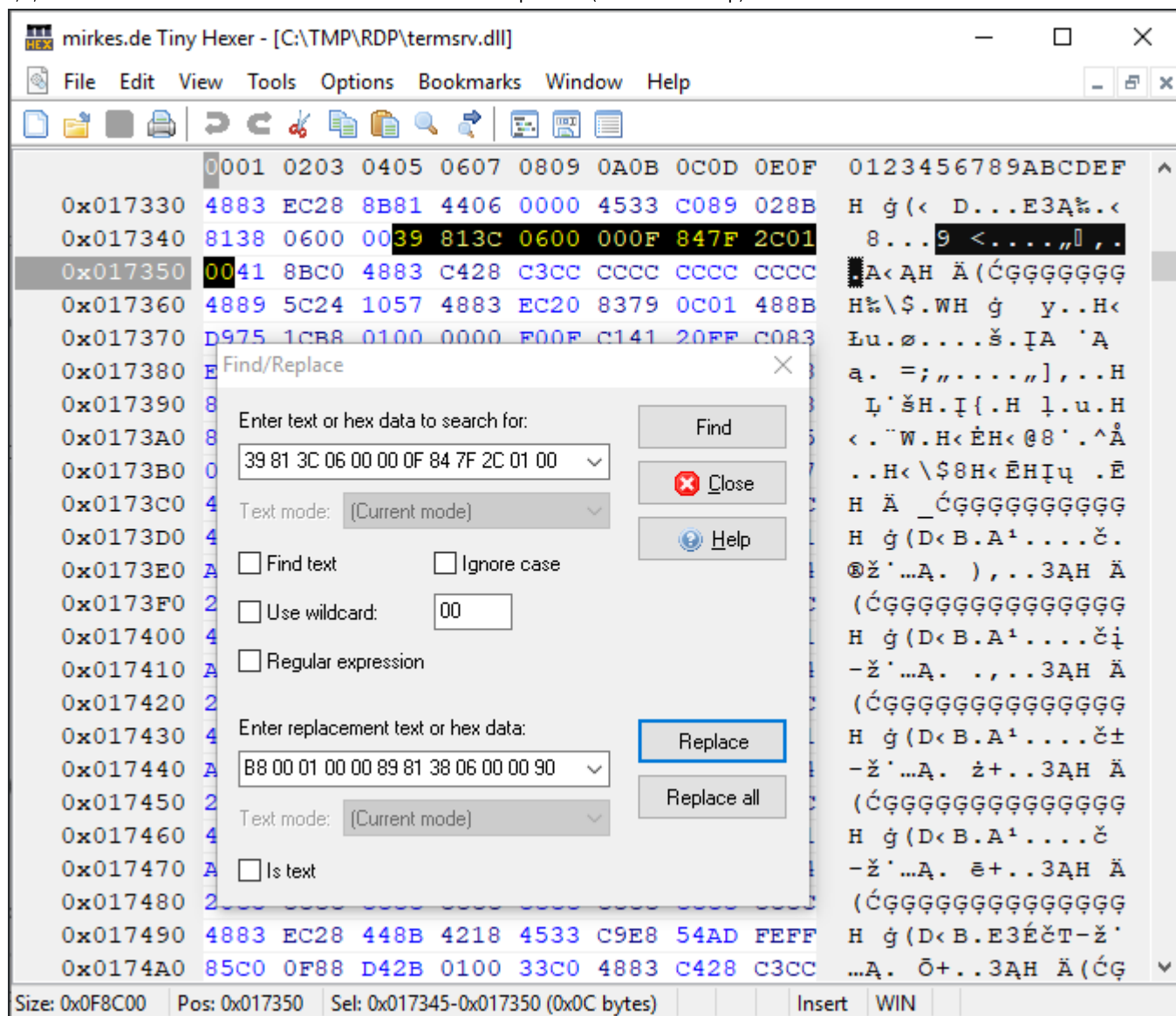
Multiple RDP (Remote Desktop) sessions in Windows 10

Update: For Windows 11 termsrv.dll modifications, please visit the [following page](#).

Option 1 - Modifying termsrv.dll

To have concurrent user sessions working in Windows 10, you need to make small changes to **termsrv.dll** file. This file is located in **C:\Windows\System32** folder. Before modifying **termsrv.dll** for the first time, you need to take ownership and assign yourself full permissions. You also need to stop the **Remote Desktop** service (**TermService**) if it's running.

DLL files can be modified using any HEX Editor (for example **Tiny Hexer**).



Windows 10 x64 v22H2 (10/2023)

For **termsrv.dll** version 10.0.19041.3570:

Find:

39 81 3C 06 00 00 0F 84 7F 40 01 00

replace with:

B8 00 01 00 00 89 81 38 06 00 00 90

Older Windows 10 versions

Windows 10 x64 v22H2 (08/2023)

At some point v22H2 termsrv.dll was updated to version 10.0.19041.3271 To get back concurrent remote desktop connections, make the following changes:

Find:

39 81 3C 06 00 00 0F 84 E7 43 01 00

replace with:

B8 00 01 00 00 89 81 38 06 00 00 90

The patched version can be downloaded from [here](#). The original, v10.0.19041.3271 file can be found [here](#).

Windows 10 x64 v22H2 - 2022 Update

termsrv.dll version 10.0.19041.2075 To get back concurrent remote desktop connections, make the following changes:

Find:

39 81 3C 06 00 00 0F 84 85 45 01 00

replace with:

B8 00 01 00 00 89 81 38 06 00 00 90

The patched version can be downloaded from [here](#). The original, v10.0.19041.2075 file can be found [here](#).

Windows 10 x64 v21H1 - May 2021 Update

201H1 update didn't change termsrv.dll version for me, it stayed the same 10.0.19041.1023 so the same 20H2 patch should work just fine.

Windows 10 x64 v20H2 - October 2020 Update

After this update termsrv.dll is upgraded to version 10.0.19041.1023 To get back concurrent remote desktop connections, make the following changes:

Find:

39 81 3C 06 00 00 0F 84 21 68 01 00

replace with:

B8 00 01 00 00 89 81 38 06 00 00 90

The patched version can be downloaded from [here](#). The original, v10.0.19041.1023 file can be found [here](#).

Windows 10 x64 v2004 - May 2020 Update (20H1)

After this update termsrv.dll is upgraded to version 10.0.19041.84 To get back concurrent remote desktop connections, make the following changes:

Find:

39 81 3C 06 00 00 0F 84 D9 51 01 00

replace with:

B8 00 01 00 00 89 81 38 06 00 00 90

The patched version can be downloaded from [here](#). The original, v10.0.19041.84 file can be found [here](#).

Windows 10 x64 v1909 - November 2019 Update

After this update termsrv.dll is upgraded to version 10.0.18362.657. To get back concurrent remote desktop connections, make the following changes:

Find:

39 81 3C 06 00 00 0F 84 5D 61 01 00

replace with:

B8 00 01 00 00 89 81 38 06 00 00 90

The patched version can be downloaded from [here](#). The original, v10.0.17763.1 file can be found [here](#).

Windows 10 x64 v1903 - May 2019 Update

After this update termsrv.dll is upgraded to version 10.0.18362.53. To get back concurrent remote desktop connections, make the following changes:

Find:

39 81 3C 06 00 00 0F 84 5D 61 01 00

replace with:

B8 00 01 00 00 89 81 38 06 00 00 90

The patched version can be downloaded from [here](#). The original, v10.0.17763.1 file can be found [here](#).

Windows 10 x64 v1809 - October 2018 Update + Cumulative April 2019 Update

After this update termsrv.dll is upgraded to version 10.0.17763.437. To get back concurrent remote desktop connections, make the following changes:

Find:

39 81 3C 06 00 00 0F 84 3B 2B 01 00

replace with:

B8 00 01 00 00 89 81 38 06 00 00 90

The patched version can be downloaded from [here](#). The original, v10.0.17763.437 file can be found [here](#).

Windows 10 x64 v1809 - October 2018 Update

Windows 10 October 2018 Update (1809) updates termsrv.dll to version 10.0.17763.1. To get back concurrent remote desktop connections, make the following changes:

Find:

39 81 3C 06 00 00 0F 84 7F 2C 01 00

replace with:

B8 00 01 00 00 89 81 38 06 00 00 90

The patched version can be downloaded from [here](#). The original, v10.0.17763.1 file can be found [here](#).

Windows 10 x64 v1803 - Spring 2018 Update (March 2018)

Windows 10 Spring 2018 Update (1803) updates termsrv.dll to version 10.0.17134.1. To get back concurrent remote desktop connections, make the following changes:

Find:

8B 99 3C 06 00 00 8B B9 38 06 00 00

replace with:

B8 00 01 00 00 89 81 38 06 00 00 90

The patched version can be downloaded from [here](#). The original, v10.0.17134.1 file can be found [here](#).

Windows 10 Fall Creators Update (1709 - Redstone 3)

Updates termsrv.dll to version 10.0.16299.15. To get back concurrent remote desktop connections, make the following changes:

Find:

39 81 3C 06 00 00 0F 84 B1 7D 02 00

replace with:

B8 00 01 00 00 89 81 38 06 00 00 90

The patched version can be downloaded from [here](#). The original, v10.0.16299.15 file can be found [here](#).

Windows 10 x64 v1703 - Creators Update (April 2017)

Windows 10 Creators Update (1703 - Redstone 2) updates termsrv.dll to version 10.0.15063.0. To get back concurrent remote desktop connections, make the following changes:

Find:

39 81 3C 06 00 00 0F 84 53 71 02 00

replace with:

B8 00 01 00 00 89 81 38 06 00 00 90

The patched version can be downloaded from [here](#). The original, v10.0.15063.0 file can be found [here](#).

Windows 10 x64 Threshold 2 (November 2015)

Windows 10 Fall Update (also called "Threshold Wave 2 Update") updates termsrv.dll to version 10.0.10586.0. To get back concurrent remote desktop connections, make the following changes:

Find:

39 81 3C 06 00 00 0F 84 3F 42 02 00

replace with:

B8 00 01 00 00 89 81 38 06 00 00 90

The patched version can be downloaded from [here](#). The original, v10.0.10586.0 file is [here](#).

Windows 10 x64 RTM (August 2015)

termsrv.dll file version 10.0.10240.16384.

In termsrv.dll find:

39 81 3C 06 00 00 0F 84 73 42 02 00

and replace it with:

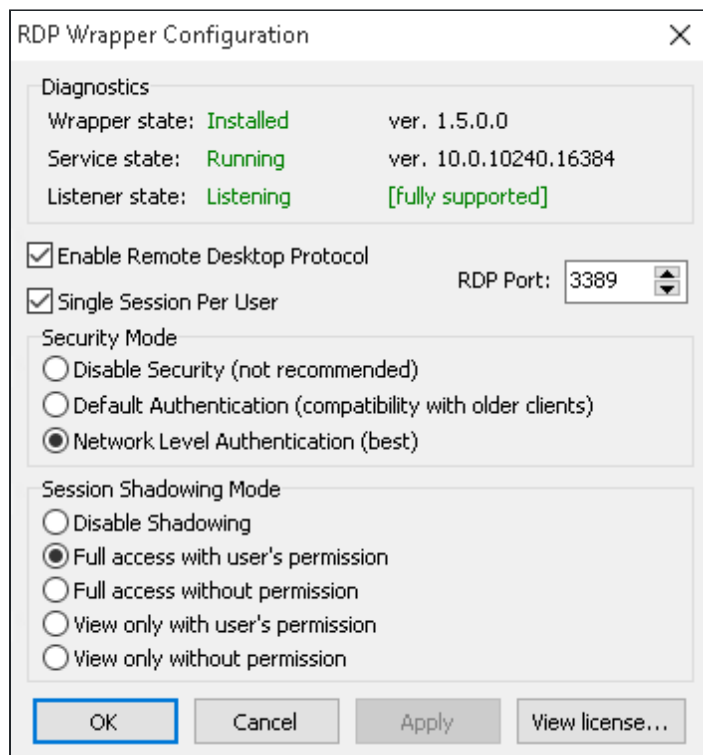
B8 00 01 00 00 89 81 38 06 00 00 90

The patched version can be downloaded from [here](#). The original, untouched version of termsrv.dll v10.0.10240.16384 can be downloaded from [here](#).

Option 2 - RDP Wrapper

Instead of modifying **termsrv.dll** file you can use [RDP Wrapper](#) which acts as a middleman between Terminal Services and Service Control Manager. This way you don't need to touch **termsrv.dll** file. Actually, if you already modified your **termsrv.dll** file, you need to revert to the original version before using this method.

Download and extract **RDPWrap-v1.6.1.zip** (or newer), then run **install.bat** as admin. After installation is completed, run **RDPConfig.exe**. If all items under **Diagnostics** are green, you should be good to go.



If "**Listener state**" is "**Listening [not supported]**", you will need to update the wrapper's configuration (.ini) file.

With the latest version of **RDP Wrapper** you no longer need to update **rdpwrap.ini** manually. Simply run **update.bat** and everything will be done automatically.

If **update.bat** doesn't add support to your Windows version, try checking [Open Issues](#) on RDP Wrapper GitHub page. You may find how to manually update **rdpwrap.ini** until official support is added.

May 2017

Windows 10 64bit



MrKean

Thursday, 25 January 2024 21:31

Windows 10 Pro / Version: 22H2 / OS Build: 19045.3636

=====

termsrv.dll (x64): 10.0.19041.3636

=====

Offset: 1E710

Search: 39 81 3C 06 00 00 0F 84 F7 40 01 00

Replace: B8 00 01 00 00 89 81 38 06 00 00 90

Credits to JoNaTaZ

Reply



9bender

Wednesday, 15 November 2023 09:16

Patched termsrv.dll <https://filespace.com/dva2zxcnwgp7> for the version Windows Server 2022

Reply



novevolte

Monday, 11 September 2023 09:02

fix for Win10 version 19045.3324?

tk5

Reply



Rapo

Friday, 09 June 2023 02:52

usen Rwrapper y listo sencillo no se compliquen con cambiar eso,
<https://github.com/stascorp/rdpwrap>

Reply

**Allen**

Friday, 12 May 2023 16:59

Anybody have a fix for May Windows Updates for Windows 10 22H2?

[Reply](#)**fabian hernandez**

Thursday, 11 May 2023 16:14

¿Alguna actualización para la version de Windows 10 22H2 19045.2965 ?
o instrucciones sobre cómo obtener los códigos hexadecimales correctos?
gracias, de parte de todos

[Reply](#)**elbarto**

Wednesday, 10 May 2023 13:06

any update for win 10 10.0.19041.2913 ?
or directions on how to get the right hexcodes ourselves?
thank you, from everyone

[Reply](#)**ANDREW**

Monday, 13 March 2023 03:53

what about for windows server 2012 and 2016 and 2022????

termsrv.dll version 10.0.19041.2075 To get back concurrent remote desktop connections, make the following changes:

Find:

39 81 3C 06 00 00 0F 84 85 45 01 00

replace with:

B8 00 01 00 00 89 81 38 06 00 00 90

[Reply](#)

Name *

A screenshot of a Windows-style Notepad application window. The title bar at the top reads "Notepad". Below it is a menu bar with "File", "Edit", and "Format" menus. A toolbar contains icons for Bold (B), Underline (U), Strikethrough (ABC), Undo (curved arrow left), Redo (curved arrow right), Bulleted List (three horizontal lines with dots), Numbered List (three horizontal lines with numbers 1, 2, 3), Decrease Indent (left-pointing chevron), Increase Indent (right-pointing chevron), and Find (magnifying glass over a document). The main text area is empty. At the bottom, a status bar shows "P" on the left and "0 WORDS" on the right.



Security code:

 Toggle Editor

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Sysadmin Tips
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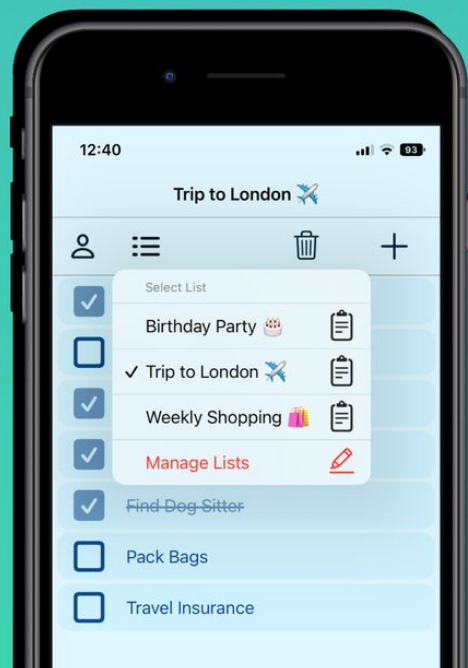
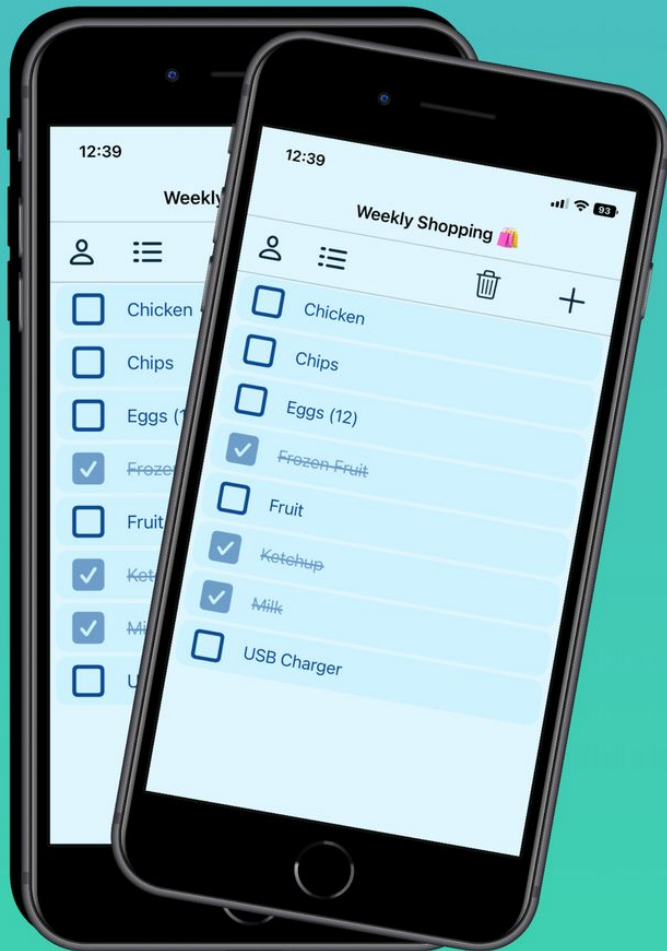


Small Business IT Support

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