

Autoscooper uses GPU for tracking, and usually remote desktop applications (e.g., [Citrix](#)) do not allow GPU access when you're using their service. Some packages like [TeamViewer](#) claim they let you run applications on GPU, but I haven't tried them, so cannot confirm.

Currently, you have three options to work with Autoscooper remotely:

### 1) Changing Your Remote PC's Group Policy to Enable GPU Access

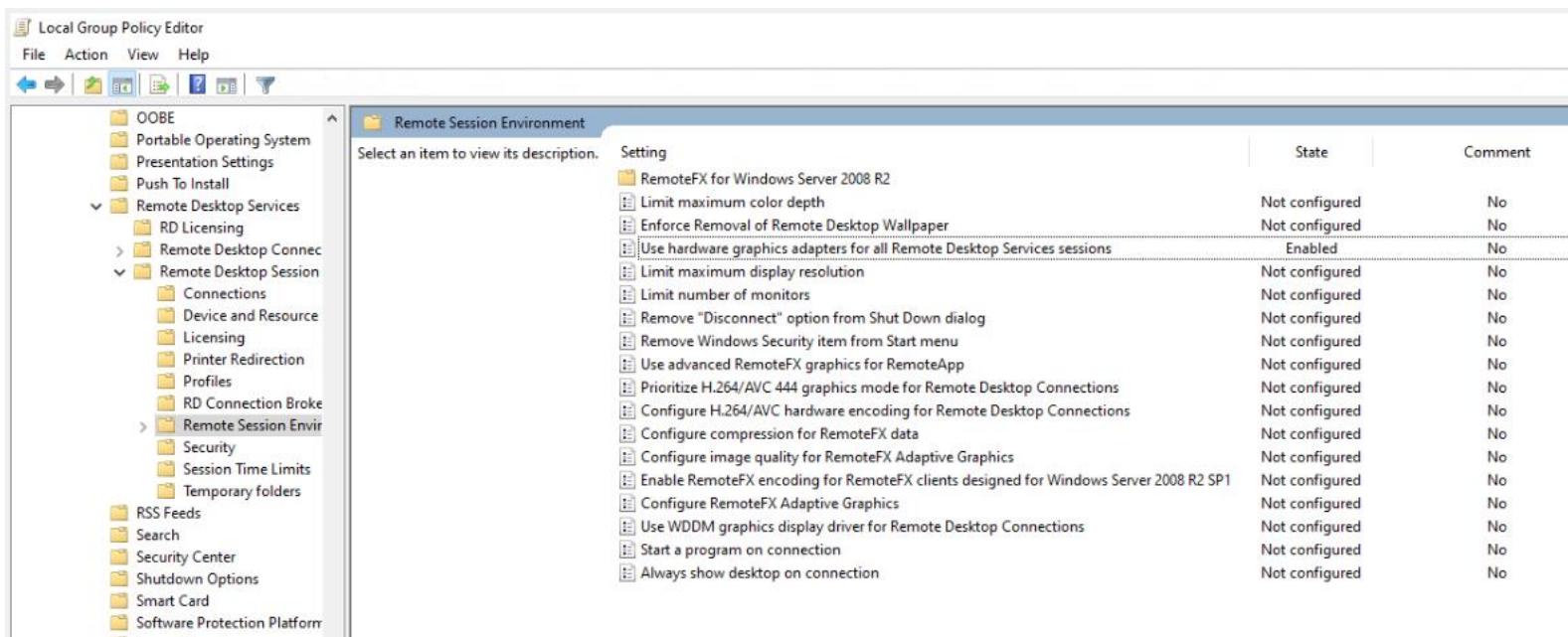
When using remote desktop, Windows bypasses the onboard graphics and creates a virtual graphics driver.

You can get around this using the [group policy setting](#) below:

- Use your Remote Desktop application and login to your Remote PC
- Open Search in the Toolbar and type Run or select Run from your Start Menu.
- Type 'gpedit.msc' in the Run command and click OK.
- Now select these folders in order:

**Computer Configuration → Administrative Template → Windows Components →**

**Remote Desktop Services → Remote Desktop Session Host → Remote Session Environment**



- Right-click on "Use hardware graphics adapters for all Remote Desktop Services sessions", and "Enable" the status of this system.
- Close the Editor window and open Autoscooper. If it didn't work, restart your PC, and try again.
- Voila!*

## 2) Using High-Performance Computing (HPC) Servers:

If you are using Autoscoper for research, your university probably is providing you with free exploratory accounts [Brown University: [Center for Computation & Visualization](#)]. If you have access to such a system, you need to use your [Virtual Network Computing \(VNC\)](#) nodes to access the Linux OS. You need to compile the Autoscoper code on your system. You can find compiling instruction [here](#).

## 3) Open Autoscoper when Remote Session is not connected

There is another approach, but it's a little bit complicated and needs using [Command-Prompt](#). Basically, you need to open the software while you are not remotely connected to your PC. So, we want to automatically disconnect the “Remote Session” and open Autoscoper. After we run this code, we remote back into the system. To do so, you need to create a new text document on your **C:\ drive**, and add these three lines in it:

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```
tscon 3 /dest:console  
  
cd C:\BardiyaAk\Autoscoper-v2.7\Release  
  
autoscoper.exe
```

---

and save it as "**run\_autoscoper.bat**". You are changing the filetype here to “.bat”, because you need to use command prompt to execute this file. Make sure your text file is saved as “.bat” and not “.txt”.

In the code above, you need to change the following sections:

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- You need to change this number to your “Remote Session ID”. You can get this ID by running “**query session**” command in CMD (command prompt).

Example output for “query session”:

SESSIONNAME	USERNAME	ID	STATE	TYPE	DEVICE
console	Administrator	0	active	wdcon	
rdp-tcp#1	BardiyaAk	3	active	wdtshare	
rdp-tcp		2	listen	wdtshare	
		4	idle		

**C:\Autoscoper-v2.7\build\install\bin\Release**

- You need to change this path to the path that your "autoscoper.exe" file lives. It's probably in Program Files if you have installed the latest version.

Now that the script is written, open the command prompt (type **cmd** in Start-Run), go to your C-drive and type “**run\_autoscoper.bat**”. If the script is written correctly, you get disconnected from your remote session. Log back in and Autoscoper should be open now.

Cheers!