

KB001279: TWEAKING RDP SETTINGS FOR BETTER PERFORMANCE

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OVERVIEW

K2 may provide online, cloud-hosted virtual K2 environments for training events, product evaluation, product testing or other short-term requirements ("events"). These K2-provided virtual environments are hosted on a cloud service (Microsoft Azure) which is reachable via the internet. Users normally access these hosted virtual environments using the Microsoft Remote Desktop connection tool.

Environments with lower bandwidth may result in a slower user experience when users use these virtual environments. This document describes some settings which can be tweaked on the RDP files that connect to these environments to improve the perceived performance. Note that some of these settings may come at the cost of some functionality or screen fidelity.

TWEAKING RDP SETTINGS FOR BETTER PERFORMANCE

To modify these settings, save the RDP file provided by K2 to your machine and then edit the RDP file.

1. Edit the downloaded RDP file







2. Lower the screen **color depth** to True Color, or even 16 bit.

Remote Desktop Connection	
General Display Local Resources Programs Experience Advanced Display configuration Choose the size of your remote desktop. Drag the slider all the way to the right to use the full screen. Small Large 1280 by 1024 pixels Use all my monitors for the remote session Large	
Colors Choose the color death of the remote session. Highest Quality (32 bit) ✓ High Color (15 bit) High Color (16 bit) J Display th True Color (24 bit) High Color (16 bit) High Color (16 bit) High Color (16 bit) High Color (24 bit) High Color (24 bit) High east Quality (32 bit) Image: A second color (24 bit) High east Quality (32 bit) Hide Options Cognect	r this setting from "highest" to True color

3. Disable Remote Audio settings

Remote Desktop Connection	Remote Desktop Connection	
General Display Local Resources Programs Experi Remote audio Configure remote audio settings.	Remote Desktop Connection	
Settings Keyboard Apply Windows key combinations: Only when using the full screen Example: ALT+TAB Local devices and resources	Remote audio playback Play on this computer Do not play Play gn remote computer	
	Remote audio recording	
Choose the devices and resources that you your remote session.	OK Cancel	
Hide Options Connect Help		



Remote Desktop Connection	Only allow clipboard
General Display Local Resources Programs Experience Advanced Remote audio Configure remote audio settings. Settings	Do not connect local dev
Keyboard Apply Windows key combinations: Only when using the full screen Example: ALT+TAB	Local devices and resources Choose the devices and resources on this computer that you want to use in your remote session
Local devices and resources Choose the devices and resources that you wan to use in your remote session. Printers Clipboard More Hide Options Connect Help	Smat cards Ports □ Local Disk (C:) □ Data (D:) □ Internal DriveBay (E:) □ Drives that I plug in later □ Other supported Plug and Play (PnP) devices
	OK Cancel

4. Do not connect any Local Resources, apart from the clipboard

5. Switch to lower **Experience** settings, and disable all **Allow the following** settings in the Experience tab



Disable the Remote Desktop Gateway setting.
 In the Advanced tab, click Settings and then select the Do not use RD Gateway Server option.

Changing this option might cause your connection to stop working, depending on you network's configuration. If you change this setting and are no longer able to connect, please revert back to the original setting that uses the *awsrdg01.k2.com* Remote Desktop Gateway.



General	Remote Desktop Connection	Advanced
Server a	uthentication Server authentication verifies that you are connecting intended remote computer. The strength of the verific required to connect is determined by your system sec policy. If server authentication fails:	RD Gateway Server Settings
- Connect	Connect and don't wam me from anywhere Configure settings to connect through Remote Deskt Gateway when I am working remotely. Settings	Connection settings Connection settings Automatically detect RD Gateway server settings Use these RD Gateway server settings: Server name: awsrdg01.k2.com Logon method: Allow me to select later Bypass RD Gateway server for local addresses Do not use an RD Gateway server
) Hide C	ptions Connect	Logon settings User name: None specified RD Gateway server will not be used to connect to the remote computer. ✓ Use my RD Gateway credentials for the remote computer

7. If you still experience a slow interface, use the built-in Windows <u>Performance Monitor</u> on the virtual machine to determine whether the virtual environment is running out of memory or CPU resources. Ask your instructor for assistance in troubleshooting excessive CPU or memory usage.