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1 Overview

This is a tutorial on how to connect to the Engineering and Computer Science (ECS) terminal server Hydra on Windows, UNIX and Mac.

2 Connecting to Remote Desktop on Windows

2.1 Prerequisites

- Make sure you are connected to the internet!
- **NOTE**: As of October 16, 2019, connecting to Hydra outside of campus network will require SacVPN! To connect to SacVPN, you will need to use Global Protect. More information can be found here: [https://www.csus.edu/college/engineering-computer-science/computing-services/_internal/_documents/globalprotect-vpn.pdf](https://www.csus.edu/college/engineering-computer-science/computing-services/_internal/_documents/globalprotect-vpn.pdf)

1. Go to **Start**, scroll down to **Windows Accessories** and click **Remote Desktop Connection** (Figure 1).

![Figure 1: Remote Desktop Connection](image)

2. Click on **Show Options** (Figure 2).
3. Enter your ECS username in the User name field in the format ECS\username (Figure 3).
4. Enter the Computer as hydra.ecs.csus.edu. Press Connect (Figure 3).
5. Enter your ECS password when prompted (Figure 4).
2.2 Adding Local Devices and Resources on Windows

1. When in the options menu (Figure 5), click **Local Resources**.

2. Click **More** (Figure 5) and click the **plus button** next to the category of device you want connected to the Remote Desktop. In this case, we’ll use **Drives** (Figure 6).
3. Check the box next to your desired drive to have them connected with the Remote Desktop (Figure 7).

![Figure 6: Plus Button](image)

![Figure 7: Checkbox](image)

2.3 Changing Display Settings on Windows

1. When in the options menu (Figure 8), click **Display**.
2. Under **Display Configuration** you have the option to change the **Resolution** and **Colors**.  

**Colors**: The colors generally should remain at **24 bit** under normal circumstances.  
**Resolution**: Change the resolution as needed. If the connection is slow, try lowering the resolution (Figure 9).
Note: Disconnect from Hydra when done using it by clicking on the Start Menu and clicking Disconnect (Figure 10). If not, you may be left in a disconnected state and you will be unable to log in again.

3 Connecting to Remote Desktop on Linux (Ubuntu)

3.1 Prerequisites

- Make sure you are connected to the internet!
- NOTE: As of October 16, 2019, connecting to Hydra outside of campus network will require SacVPN! To connect to SacVPN, you will need to use Global Protect. More
NOTE #2: You can use your preferred RDP client and Linux distribution. This document will be using Remmina on Ubuntu from https://remmina.org/.

1. Once in Remmina, click the + icon in the top left corner. (Figure 11).

   ![Figure 11: Terminal Server Client](image)

2. Enter the following details and click **Save** (Figure 12):

   - **Name**: Hydra
   - **Protocol**: RDP – Remote Desktop Protocol
   - **Server**: hydra.ecs.csus.edu
   - **Resolution**: Client Resolution will use the host’s screen resolution. You can also set a custom resolution by clicking the **Custom** radio button and using the drop-down menu next to it.
   - **Color depth**: This should stay at True color (24 bpp) under normal circumstances.

Information can be found here: [https://www.csus.edu/college/engineering-computer-science/computing-services/_internal/_documents/globalprotect-vpn.pdf](https://www.csus.edu/college/engineering-computer-science/computing-services/_internal/_documents/globalprotect-vpn.pdf)
3. Double click on the newly created connection to connect to Hydra (Figure 13).

Figure 12: Connection Details

Figure 13: Connect
4. When prompted, enter your ECS username and password. No ECS\ prefix is needed (Figure 14).

3.2 Adding Local Devices and Resources on Linux (Ubuntu)

When in the connection details window, click the checkbox next to **Share folder** and select the USB drive you want to bring into Hydra.
Figure 15: Share Folder

**Note:** Disconnect from Hydra when done using it by clicking on the **Start Menu** and clicking **Disconnect** (Figure 16). If not, you may be left in a disconnected state and you will be unable to log in again.
Figure 16: Disconnect
4 Connecting to Remote Desktop on Mac

4.1 Prerequisites

Connecting to Hydra off-campus requires connecting to the CSUS VPN! To connect to the VPN, you will need to install and configure the Global Protect VPN Client. You must follow the instructions below to connect to the VPN.

https://www.csus.edu/college/engineering-computer-science/computing-services/_internal/_documents/globalprotect-vpn.pdf

1. Open the App Store (Figure 17).

Type “Microsoft Remote Desktop” in the Search Bar (Figure 18) and press Enter.

Click Get on the second icon, Microsoft Remote Desktop 10 (Figure 19).

Note: If you already have the application installed, you will see Open or Update instead
of Get.

3. Once the application is installed, click on the Magnifying Glass in the top right corner and search for “Microsoft Remote Desktop.” Press Enter on the first result (Figure 20).

4. After Microsoft Remote Desktop is open, click Add Desktop (Figure 21).
5. Type “hydra.ecs.csus.edu” for “PC name” and “Hydra” for Friendly Name. Press Add (Figure 22).
6. Double click on the added **Hydra** desktop (Figure 23).

![Figure 22: Add Desktop Info](image)

![Figure 23: Added Hydra Desktop](image)
7. Enter your "ECS Credentials" when prompted (Figure 24). Using "ECS\" is not necessary when logging in from a Mac.

![Figure 24: Enter ECS Credentials](image)

### 4.2 Adding Local Devices and Resources on Mac

1. Click on the pencil icon to edit Hydra’s settings (Figure 25).

![Figure 25: Pencil Icon](image)

Click on the folders tab and click the checkbox next to Redirect Folders. Click on the plus icon (Figure 26).
3. Pick the folder or file you want to add and click **Open** (Figure 27).

4. Click **Save** (Figure 28).
4.3 Changing Display Settings on Mac

1. When in the options menu (Figure 29), click Display. It is best to leave the Resolution as Default for this display.
Figure 29: Display Settings Mac

Note: Disconnect from Hydra when done using it by clicking on the Start Menu and clicking Disconnect (Figure 30). If not, you may be left in a disconnected state and you will be unable to log in again.
Figure 30: Disconnect
# Revision History

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<th>Date</th>
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Table 1: Revision history