VCEA - Remote Connection

- By SSH or Terminal
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This documentation is to be used for connecting remotely to VCEA systems using different operating systems and tools.

By SSH or Terminal

**SSH Servers: EECS - Available SSH servers**

**From Linux:** EECS - Connect to EECS SSH servers using Linux

**From Windows:** EECS - Connect to EECS SSH servers using Windows

By Graphical User Interface

**X2Go**

Ensure this client is what you want to use to reach your target server.

1. Download & install the appropriate `x2goclient` for your machine
   - Windows: x2Go 4.1.0.0 client for Windows
   - MacOS: x2Go 4.1.0.0 client for MacOS
   - Linux: `sudo apt-get install x2goclient`

2. After installing & opening the X2Go Client, create a **New Session**

3. Configure **Session**
   a. **Session name**: short meaningful name
   b. **Host**: the fully qualified domain name of connection target
   c. **Login**: your username
   d. **Session Type**:
      i. XFCE
      ii. ICEWM
1. Configure Connection
   a. **Speed:** ADSL
   b. **Method:** 256k-jpeg
   c. We're still testing various other connection methods, but this has given the smoothest general connection. If you find one that's smoother and provides a better user experience, please let us know, we would be happy to share it!

X2Go Troubleshooting

If you have issues re-connecting to a previous session and want to terminate it to start fresh, you can do so by connecting with a different Window Manager.

- Example:
  - If originally connected with XFCE, you can connect with ICEWM and when prompted, terminate your XFCE session.
  - Then fully logout/close your ICEWM temporary session.
  - Finally, you should be able to log back in to XFCE with a fresh clean interface.

Choppy/Slow connection with broken window shading

- Try disabling compositor
  - Settings
  - Window Manager Tweaks
  - Compositor
  - Un-check: “Enable display compositing”

NoMachine

Important

It's important to use the correct version of NoMachine to access EECS servers. Your can find the proper version of NoMachine at [https://eecs.wsu.edu/~e/files.html#nx](https://eecs.wsu.edu/~e/files.html#nx)

1. Install and launch NoMachine. (The proper version is listed in the info box above)
2. Select **New** connection, select **SSH** as protocol, then **Continue**

   ![](image1)

   Select the protocol used to connect to the remote computer.

   **Protocol** SSH

   All protocols use cryptography to protect your communication. NK is the native protocol used by NoMachine and is optimized for multimedia data. SSH is an industry standard for accessing computing resources from external networks.

3. For host, type **sig1.eecs.wsu.edu**, or use one of the other available EECS SSH hosts, and select **Continue**.

   ![](image2)

   **Pro Tip**

   **sig1.eecs.wsu.edu** can get quite busy at times. For a list of alternate EECS SSH servers that are currently available, see this KB article.
4. Select **Use the NoMachine login**, then **Continue**.

   ![NoMachine connection screen]

   - **Use the system login**: Default method, uses system password for authentication.
   - **Use the NoMachine login**: Use a server-specific DSA key and password for older servers or advanced features.

5. Leave the options at their default (blank), select **Continue**.

   ![NoMachine connection screen]

   - **Use an alternate server key**: Option to use a new DSA key for this server.
6. Leave options at default (Don't use a proxy), select **Continue**.

7. Leave options at default (if you want, you can change it), select **Done**.

8. Home screen should look similar to this. Select **Connect to ssh1.eecs.wsu.edu**, then **Connect**.
9. Enter Username & Password, select OK.
10. Select **Create a new GNOME virtual desktop**, then continue.

11. Select **OK**.
12. Select OK.

13. Select the desired way to display the menu panel, then select OK.