NoMachine

Version 7.9.2 +

<u>Support</u>: Email assist@utdallas.edu

[<u>Connection Setup</u>] -|- [<u>Authentication</u>] -|- [<u>Create Desktop</u>] -|- [<u>Extra's</u>]

Launching software

- Click the Windows Start Menu ⊞ or equivalent on your operating system.
- Scroll down to the NoMachine folder or NoMachine Application to launch.
- Expand the folder if one is present.
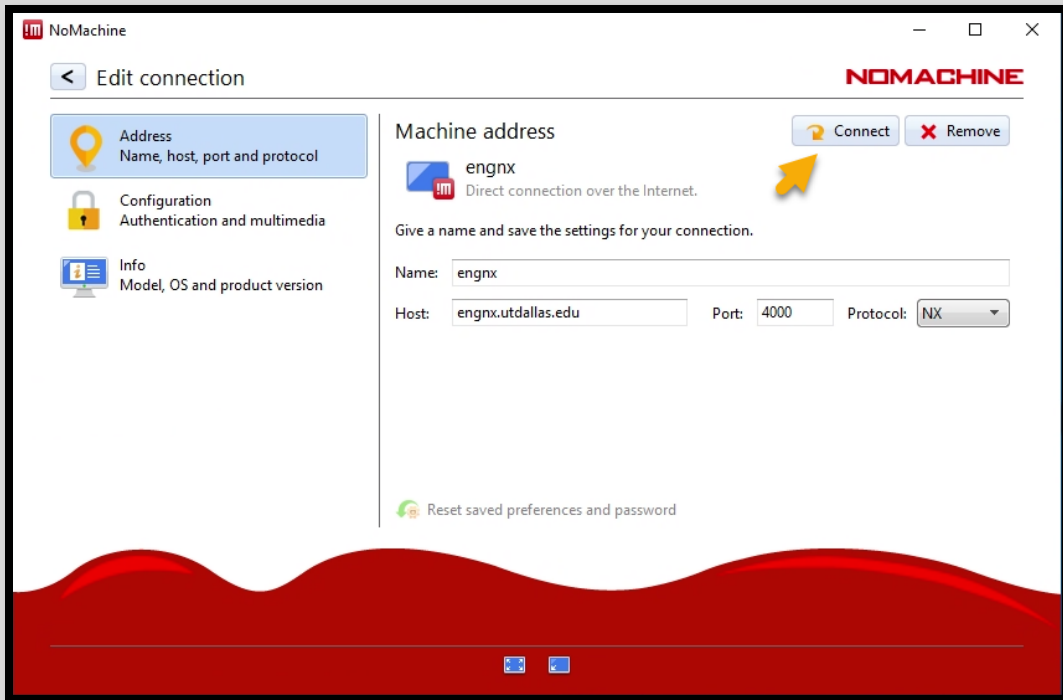- Click NoMachine.
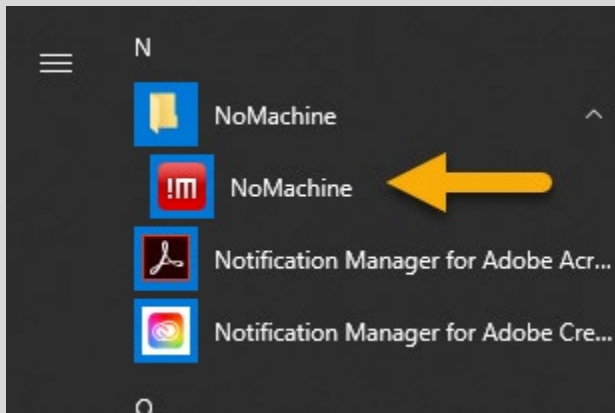
Connection Setup

- **Click Add**

- **Click in the Name field.**
  - Type engnx
  - (or your preferred name)
- **Select Host Field.**
  - Type engnx.utdallas.edu

- **Click Connect**

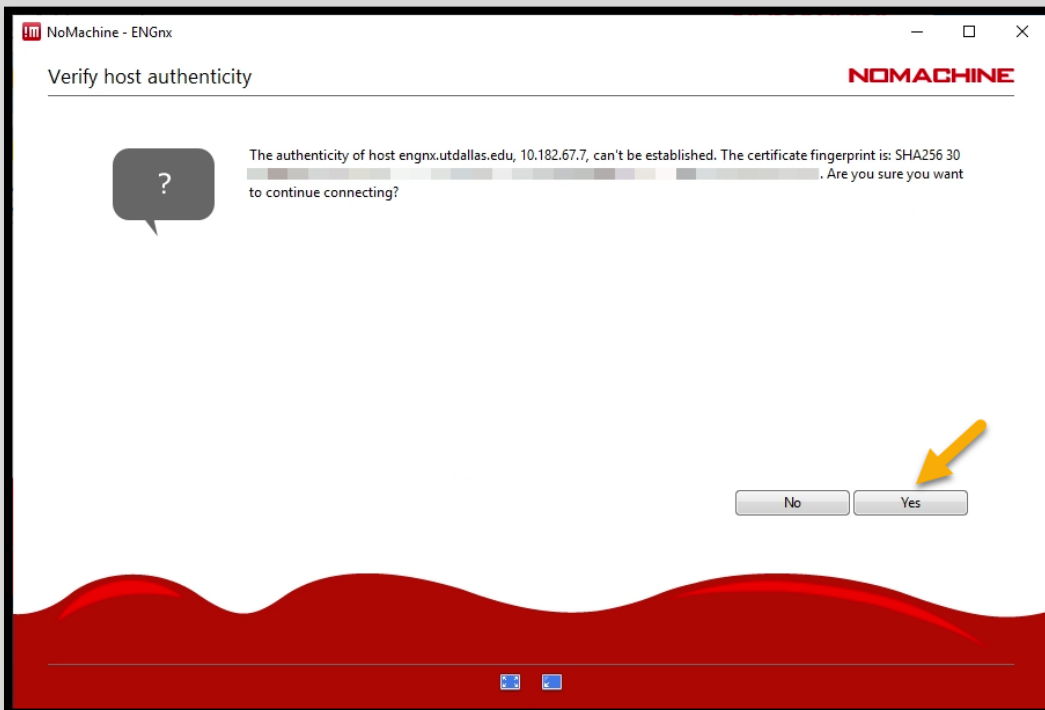Name: engnx

Host: engnx.utdallas.edu

Example

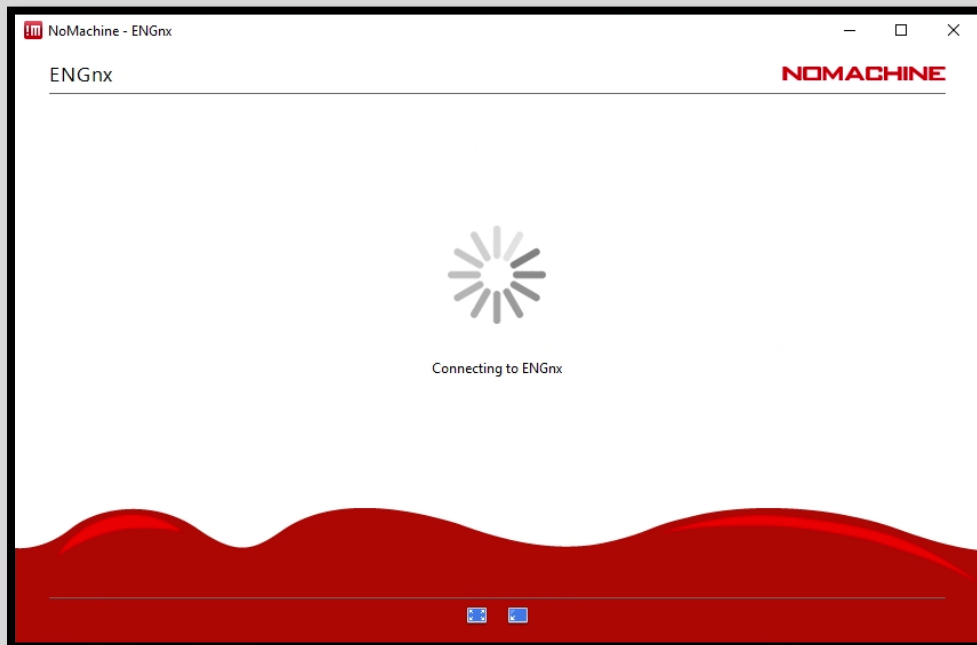## Verify host authenticity.
- o **Click Yes.**

Authenticate
- ○ Username: netid
    - ○ Lowercase is <u>required</u> for usernames.
- ○ Password: NetID password
    - ○ Suggest to *NOT* check "Save this password in the connection file"

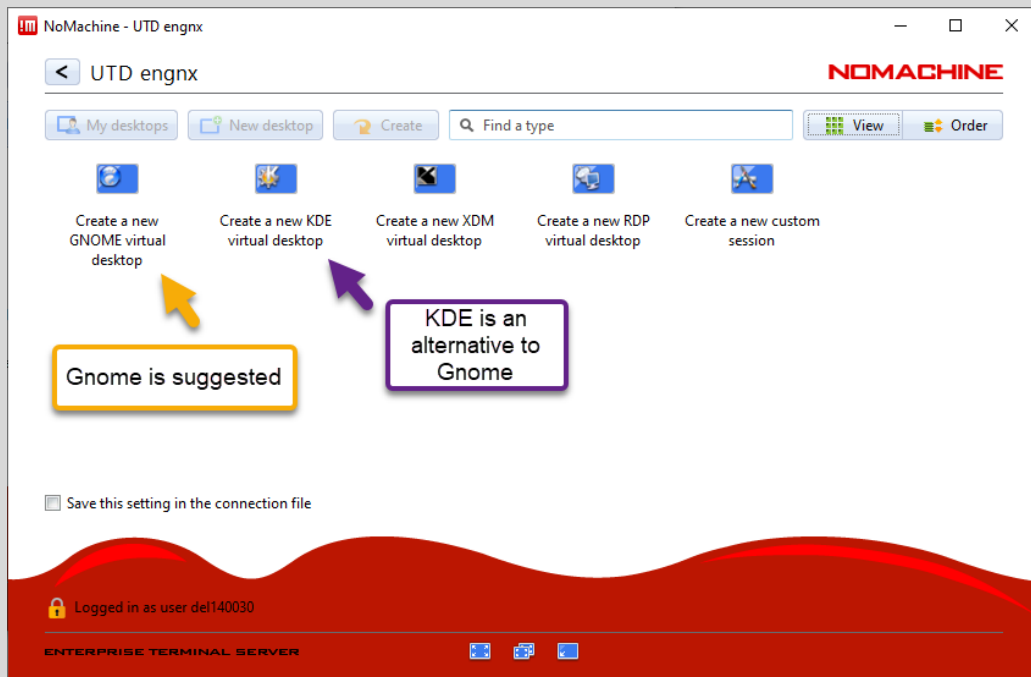Click "Login"

*Connection may take a <u>couple of minutes.</u>

Create New Virtual Desktop

- Double click Create a new GNOME -or- KDE virtual desktop.
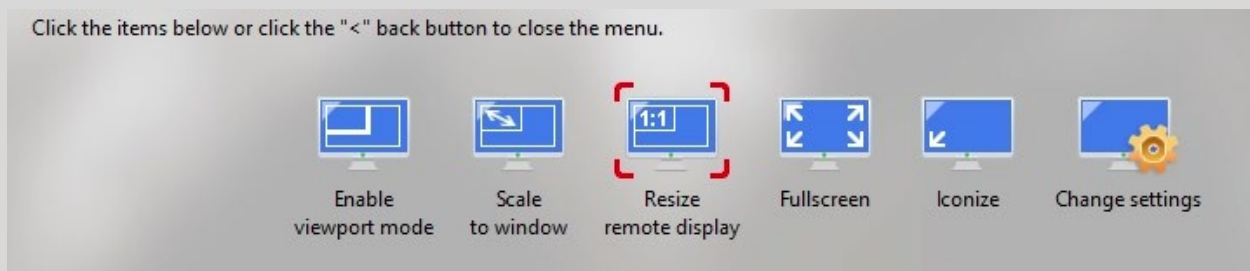- Click OK several times through different messages.

Settings > Display

Press Ctrl + Alt + 0   * (it's a Zero)

Select Display

Resize remote Display is suggested.

Click Display **to back out or use the escape key.**

Extra's

Suggestions

- Log out every week or two
    - Workloads change on these shared systems; it is best to get a fresh start.
    - Your permissions also get updated on login. If you got added to a group, log off and log back in.
    - Make sure you log off before changing your password, it will not get updated until your next login.

- Mind your disk space, it is limited in size
    - Avoid FireFox on NoMachine if you can use FireFox local to your system.
    - Transfer items that are no longer needed, especially if they are large.
    - Research should not be in your home directory, make sure that goes on the provided storage that your faculty member provides.

Terminating Session / Log Out

- Preferred method – Log Out
    - Click power button icon usually in the upper right corner
    - Expand the arrow next to your name
    - Click Log Out
    - Click Log Out again.

- Forced method – Terminate Session
    - After you provide your NetID (lower case) and password
    - You will be presented with your current session if you have one.
    - Right click the session and select Terminate.

Disk space / Disk Quota

- Symptom: Error message when trying to connect that ends in disk quota.
  - o You are out of disk space on your personal network share that is used as your home directory on our Linux systems, and NoMachine needs a bout 60 megs of available space.

- Select one method to resolve this issue. [Network Drive -| or |- WinSCP -| or |- SSH]

  - o Network Drive - option
    - ▪ Our labs and any domain computer should have your home directory mapped automatically.
    - ▪ Navigate to h:
      - • Transfer or remove files off your h:\ as needed
    - ▪ On a personal system map a network drive at the following URL https://atlas.utdallas.edu/TDClient/30/Portal/KB/?CategoryID=188
    - ▪ Please note over VPN you need to format your username as netid@campus.ad.utdallas.edu and that it usually fails the password the first time, and retrying usually will succeed if the password is correct.

  - o WinScp - option
    - ▪ Connect using the SCP protocol.
    - ▪ Server: giant.utdallas.edu
      - • Option 2 – if giant is an issue
        - o Server engnx01a.utdallas.edu
        - o Note ssh is terminated every 15 minutes on the hour so (1:00, 1:15, 1:30, ..) on engnx01a.utdallas.edu.
    - ▪ Now transfer any files local that are putting you over quota and then remove them.
      - • There is a filter for hidden files in the bottom right of the application, clicking the text will clear the filter.

  - o SSH – option
    - ▪ Using something like Putty (installed in our labs), MobaXterm, terminal in Mac/Linux
      - • (Not using the SSH protocol in the NoMachine client)
    - ▪ Server: giant.utdallas.edu
      - • Option 2: engnx01a.utdallas.edu
    - ▪ Specify your username, some applications will use your login if you do not, our servers do not know EricSmith from Desktop-03d4f is.
    - ▪ If you are using using a command line interface or terminal.
      - • ssh netid@giant.utdallas.edu or alternative address.
    - ▪ When you type your password, nothing will show up, this is normal
    - ▪ Once logged in, you type the command

- ncdu or gdu (both work on engnx01a, gdu is faster).
  - This will show you where your quota is used.
  - Arrow keys to navigate.
  - q to quit.
  - d to delete.

Fix other issues

- Terminate your session.
- move your dot files and folders from the root of your home directory.
- Connect to NoMachine again.

- Explanation: something is corrupt in your dot files (configuration files) that is causing an issue, you can move a few files back, usually .bashrc. and a few others, if issue return, remove returned files one at a time and try logging out and in each time to see which file was the issue.

Applications

- For additional information on using these applications, please contact your TA or Professor. IT only installs the software.

- Suggestion: One application per terminal.

- Launch by Terminal.

  - The module system – Applications are being migrated to this system
    - example
      - module avail
      - module load feko
      - feko_launcher &
      - module unload feko

  - source profile
    - example
      - source /proj/cad/startup/profile.ic-6.18
      - virtuoso &
      - once your done close the terminal window
        - Reusing a terminal over and over again, can cause applications not to function correctly due to the PATH being overly modified.

Black screen
- **Give it a minute**

Home Directories
- **Windows and Linux should match**

Groups
- **Please Log Out and back in to receive your newly assigned group permissions.**
- **an eCAT is required to place you into groups, this is usually done by faculty.**

Map a drive

Transfer Files
- **See WinSCP or Network Drive under disk quota in this section**

Root/sudo
- **This will not be granted.**

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Support

Email: assist@utdallas.edu

      Provide error messages, or what is being seen, screenshots can be included
      Ask for your ticket to be assign to ETech

Phone: 972-833-2911
Web: https://www.utdallas.edu/oit/services/
Live Chat: https://oit.utdallas.edu/helpdesk/chat

(copy and paste the address, it's not good to click links in documents.)