

Using Xilinx ISE On NoMachine

Prerequisites

To use Xilinx ISE from home, you will need access to the UT Dallas VPN. If you do not know how to connect to the VPN, follow the instructions on this page: <https://www.utdallas.edu/oit/howto/vpn/>.

1 - NoMachine

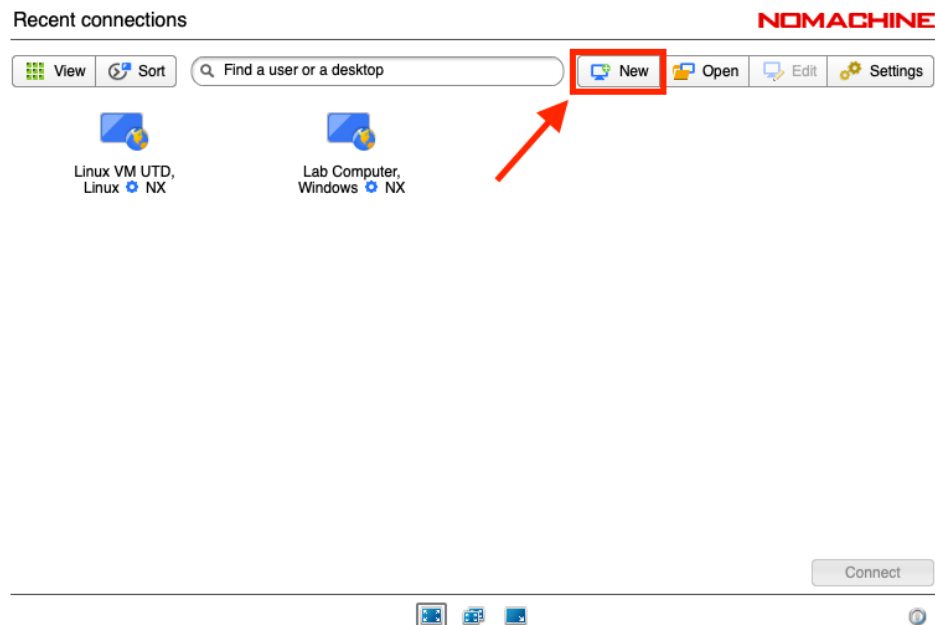
1.1 - Installation

To use Xilinx ISE, we will be using NoMachine, the University's NX client. Download NoMachine at the following link: <https://www.nomachine.com/download>. Once you have downloaded the installer, open it and follow the installation instructions.

1.2 - NoMachine Setup

Follow these step by step instructions to configure NoMachine.

1. Connect to the UT Dallas VPN
2. Open the NoMachine Client.
3. Then click the new connection button.




4. On the New Connection window, press continue to select the NX protocol.

New connection NOMACHINE

Protocol Host Authentication Proxy Save as


Select the protocol to use to connect to the remote computer.



Protocol NX

All protocols use cryptography to protect your communication. NX 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.

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5. In the host text box, type “engnx.utdallas.edu” then press the continue button.

New connection NOMACHINE

Protocol Host Authentication Proxy Save as

Insert the hostname or IP and port where you want to connect.




1. Host engnx.utdallas.edu Port 4000

The port was chosen automatically based on the default for the protocol. If the remote computer was configured to listen on a different port, please insert it above.

☒ Use UDP communication for multimedia data

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6. On the authentication page, click the continue button.


New connection NOMACHINE

Protocol > Host > Authentication > Proxy > Save as


Choose which authentication method you want to use.

 ☒ Password
Use password authentication.

 ☐ Private key
Use key-based authentication with a key you provide.

 ☐ Kerberos
Use Kerberos ticket-based authentication.

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7. On the proxy page, press continue.

New connection NOMACHINE


Protocol > Host > Authentication > Proxy > Save as

Use a proxy for the network connection.

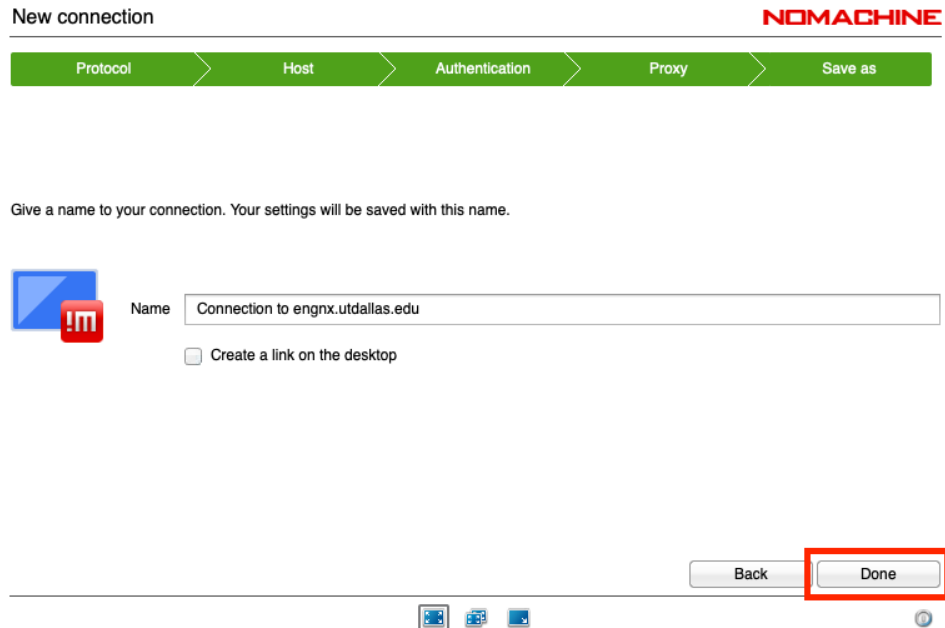
 ☒ Don't use a proxy
Choose this if you are connecting to a computer on your same LAN or if you are on a residential broadband connection.

 ☐ Connect using a proxy
Use a proxy if you are connecting to a computer outside your LAN from a corporate network where external access is protected by a firewall.

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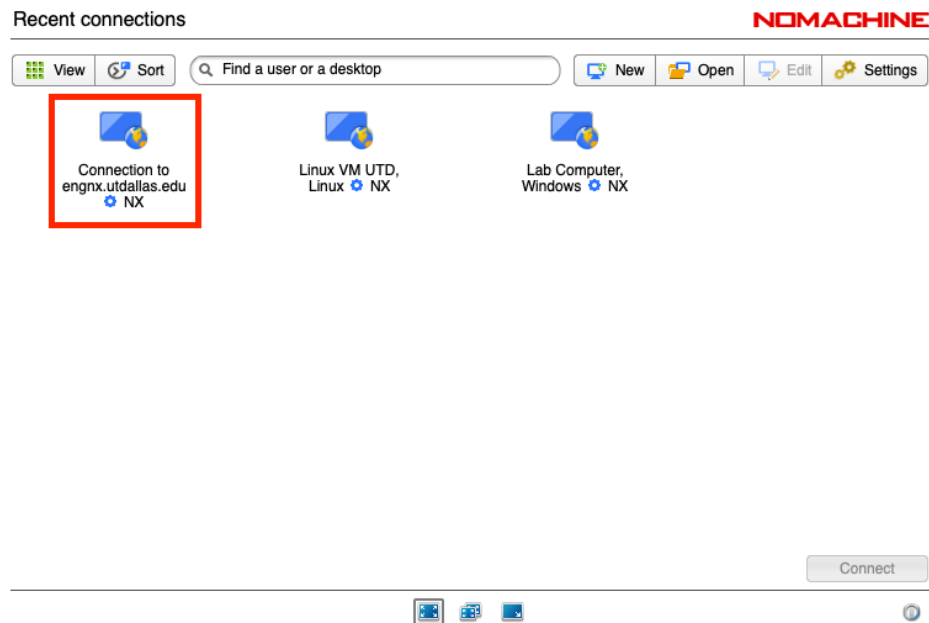
8. On the save as page, give the NoMachine server a name. We will use, 'Connection to engnx.utdallas.edu'. Then, select continue.



2 - Running Xilinx ISE

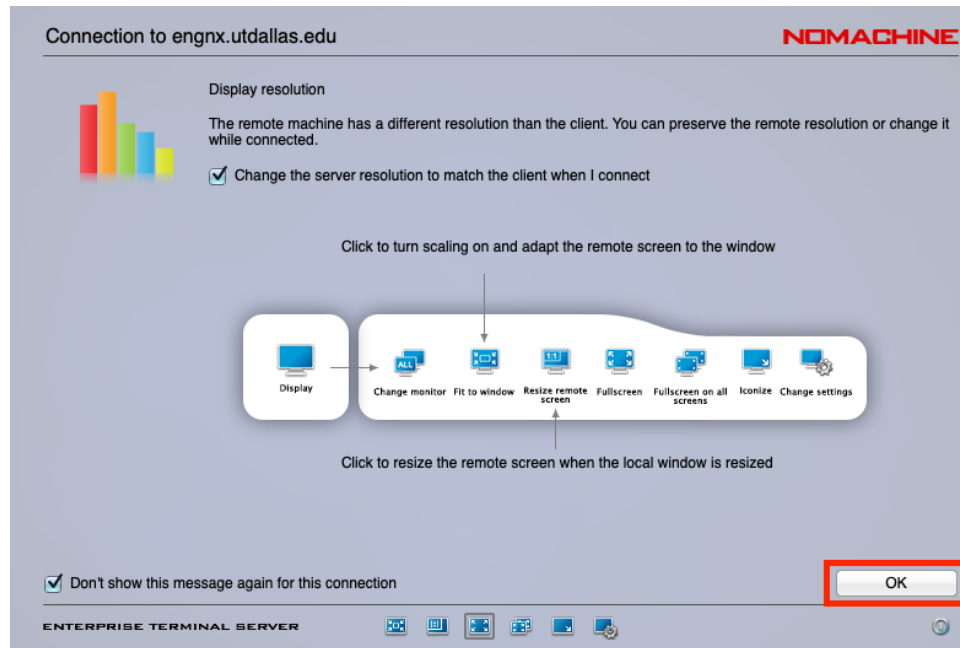
Now that you have configured NoMachine, we will run Xilinx ISE.

1. First, double click the 'Connect to engnx.utdallas.edu' button.

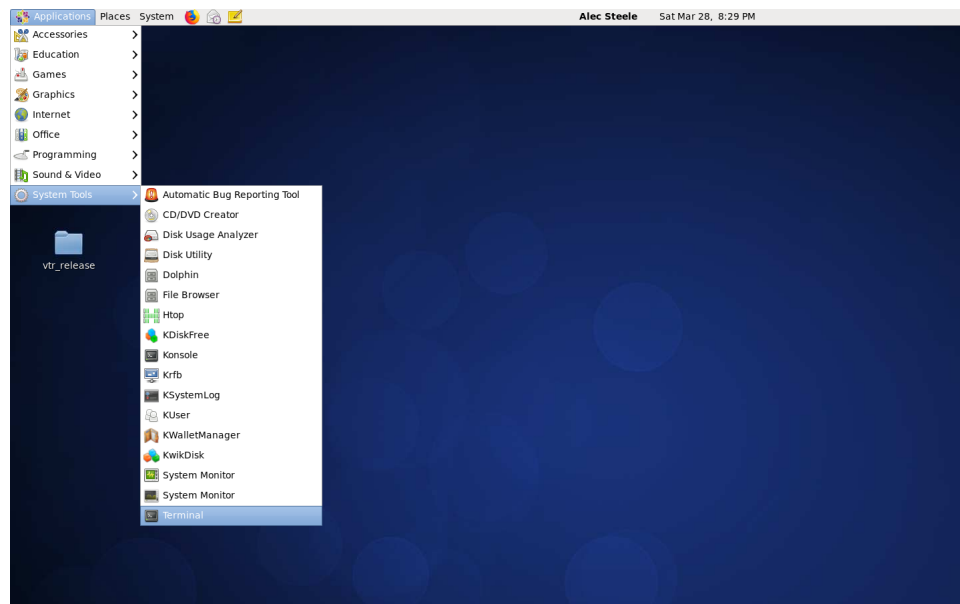


2. Once open, several tutorial screens will show up.

3. Read all of the tutorial screens and press continue.



4. Once the NoMachine desktop is open, open the terminal by selecting 'Applications' → 'System Tools' → 'Terminal'.



5. You should now see the terminal window:



6. In the terminal type:
 - (a) 'module add xilinx' followed by the 'return' key
 - (b) Type 'ise' followed by the 'return' key
7. Xilinx ISE should now be open!