# NoMachine Client Setup

NoMachine is a program that connects your laptop to a virtual machine on the cloud where you will run various applications during the hands-on sessions. The following instructions describe the process of setting up NoMachine on your computer. These instructions apply to both Windows and Macs.

## Getting Started

1. Go to http://nexsci.caltech.edu/workshop/2016/nomachine_key.txt for the NoMachine license key. You may need to copy the entire contents of the license key and paste it into a plain text file (e.g. Notepad in Windows or TextEdit in Mac OS). Save the file as **client.id_dsa.key** to your machine. (This is the first step because you will need to have the key file on hand during software installation.)

2. Have your assigned AWS host IP address, account username, and password on hand. You should have received this information on the first day of the workshop.

3. Download and install the NoMachine client (version 5.1.26) at:  https://www.nomachine.com

## Starting the NoMachine Application

1. After installing NoMachine, open the program either from the **Start** button (Windows) or the **Applications** (Mac OS) folder.

2.  At the welcome screen, click **Continue**.

3. On the Recent connections screen, click **New** to create a new connection.
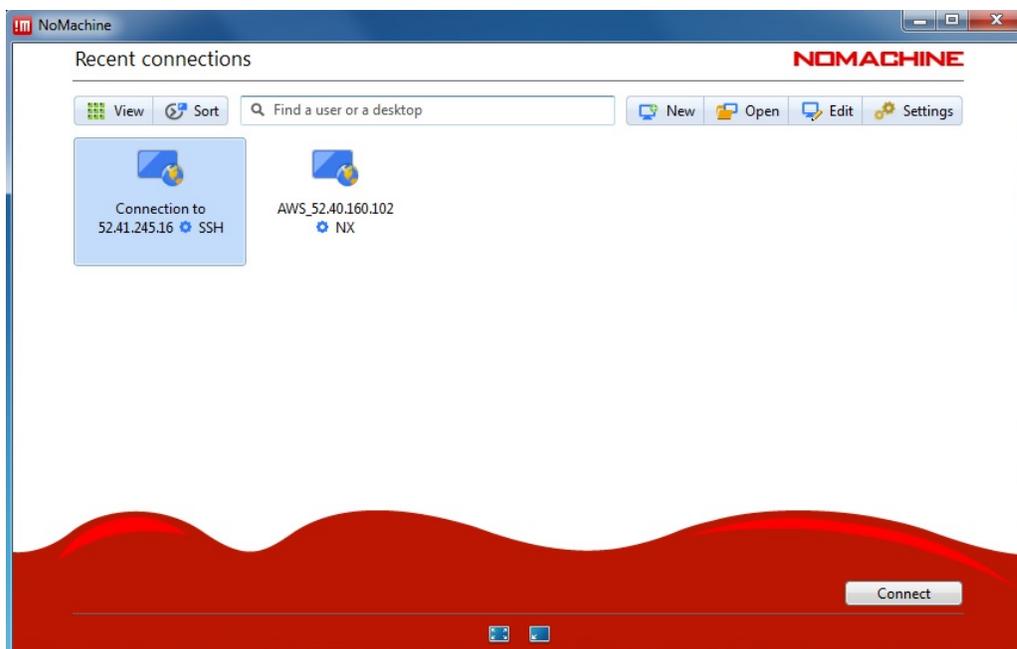
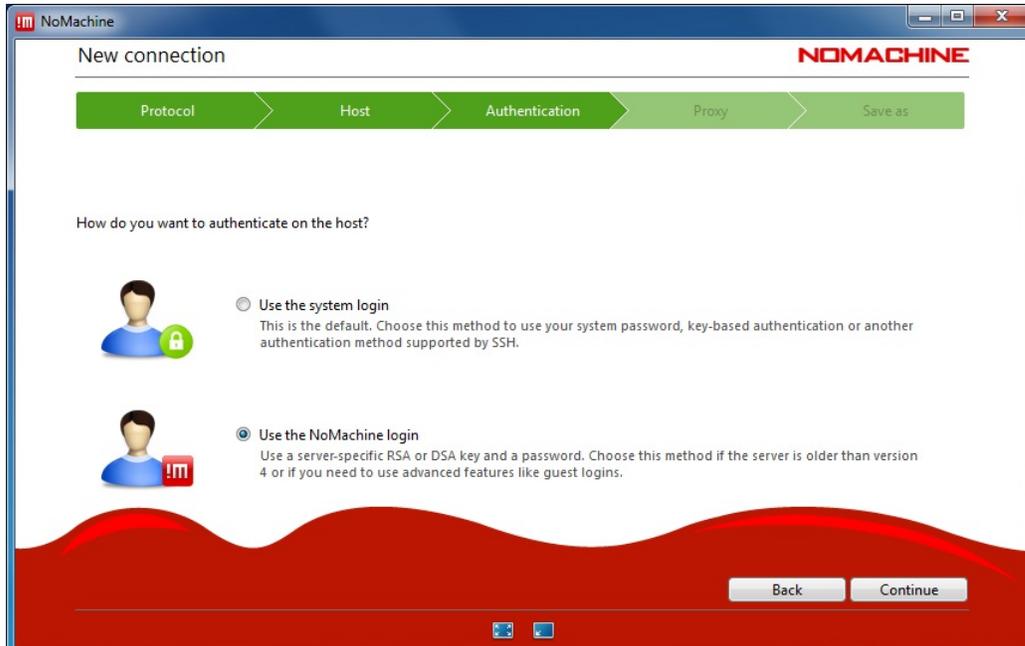4. Select **SSH** for Protocol, then click **Continue**.
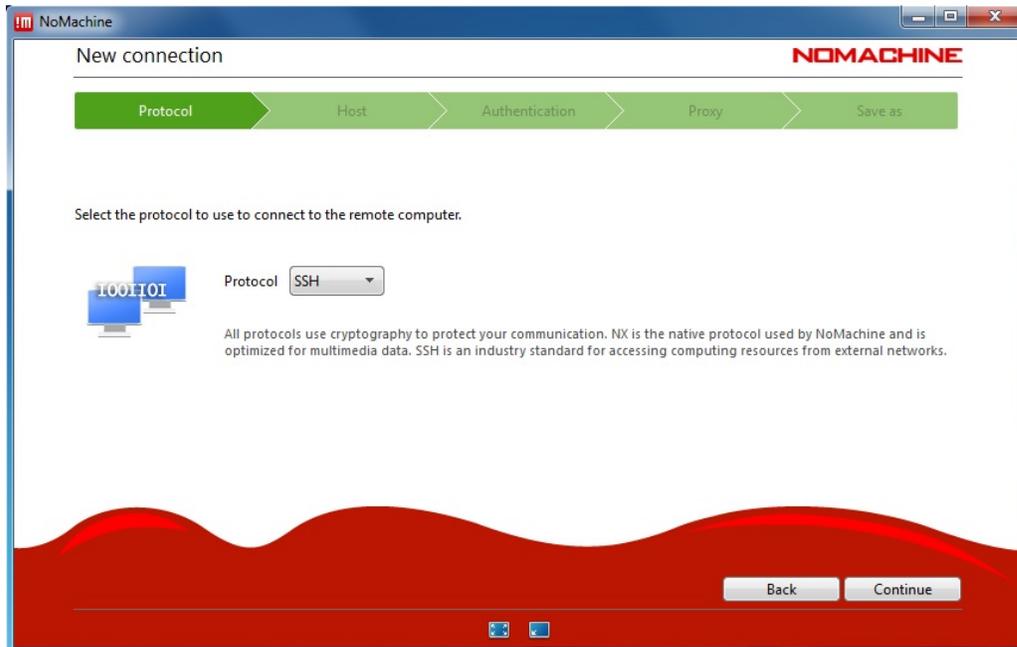


5. Enter your assigned AWS host IP address for Host, then click **Continue**.
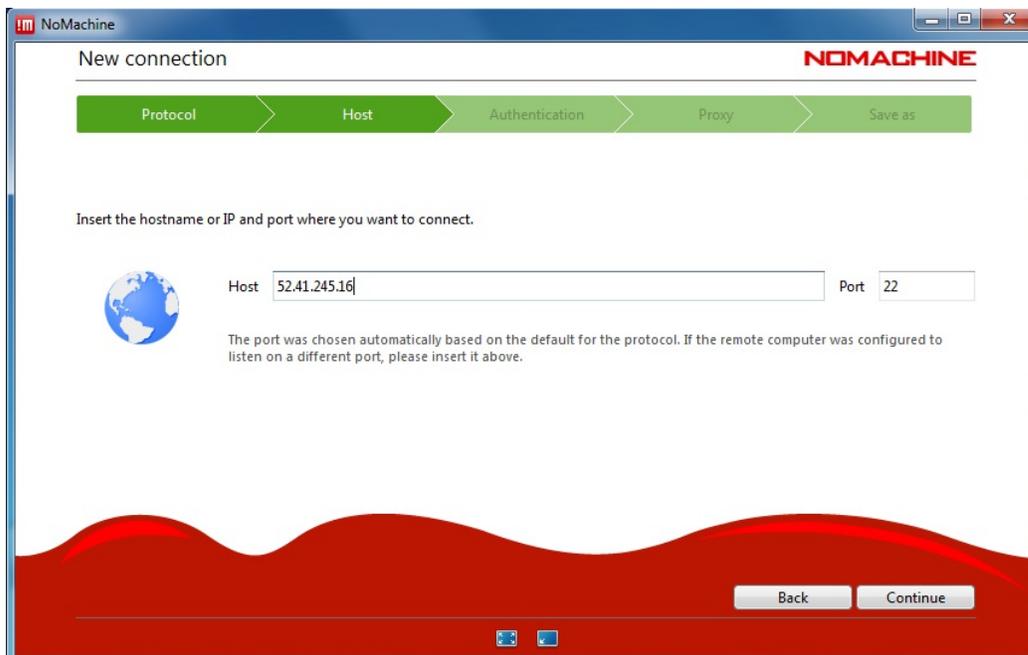
## Creating a New Connection

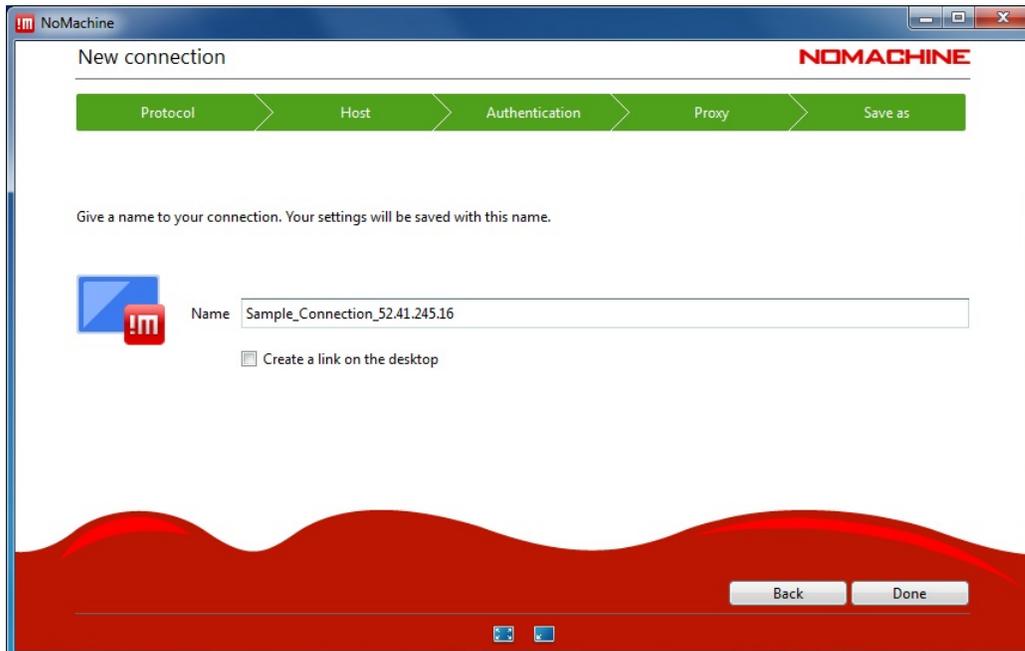1. Select **Use the NoMachine login**, then click **Continue**.



2. Check to select **Use alternate server key**, then then click ▭ to locate and load your **client.id_dsa.key** file. When finished, click **Continue**.
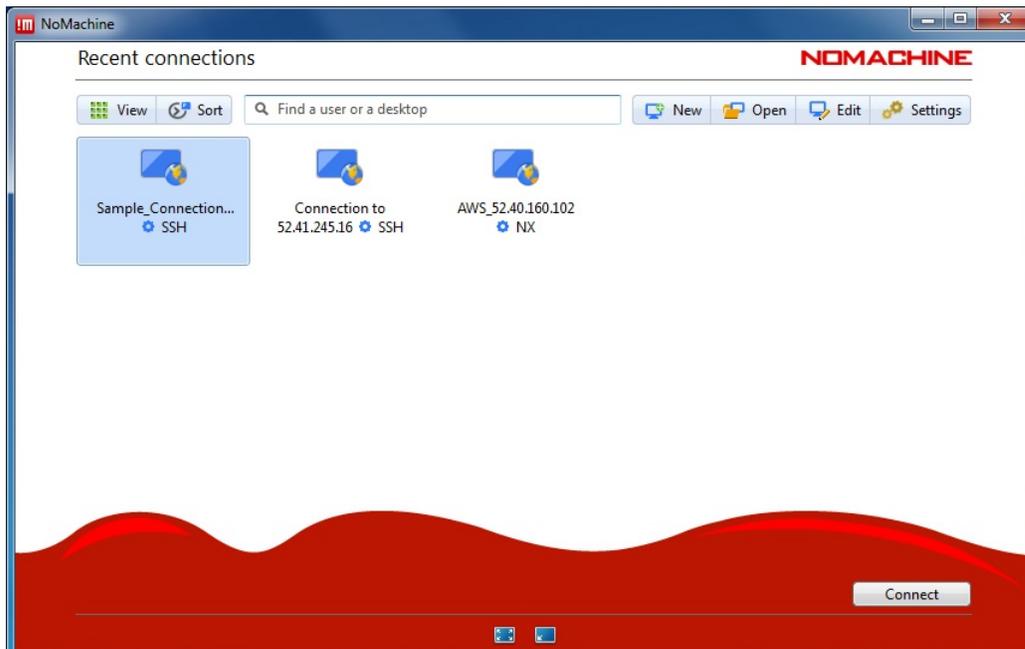


3. At the proxy screen (not shown), select **Don't use a proxy** and then click **Continue**.

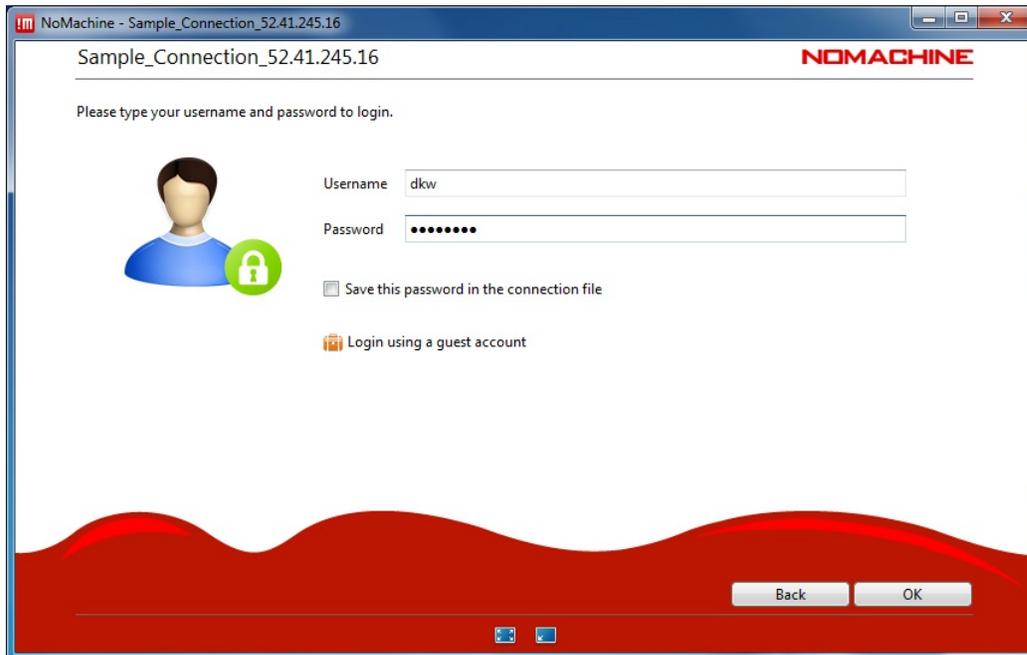4. Name your connection, then click **Done**.



## Opening the Desktop

1. From the Recent connections screen, click to select the connection you created, then click **Connect**.
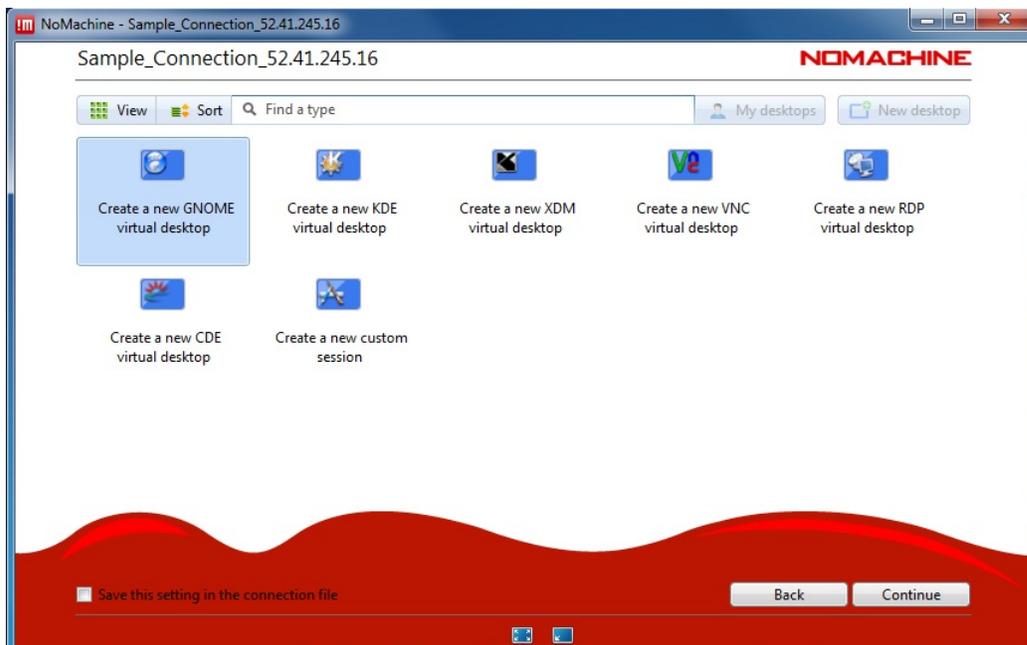


2. At the Verify Host Authenticity screen (not shown), click **Yes**.

3. Enter your username and password in the login screen, then click **OK**.



4. Select **Create a new Gnome virtual Desktop**, then click **Continue**.



5. After you have created your first NoMachine connection, subsequent NoMachine sessions can be initiated simply by highlighting your connection and clicking **Connect**, which brings up the account login page. From that point, continue by starting a new desktop on the AWS Compute Server.
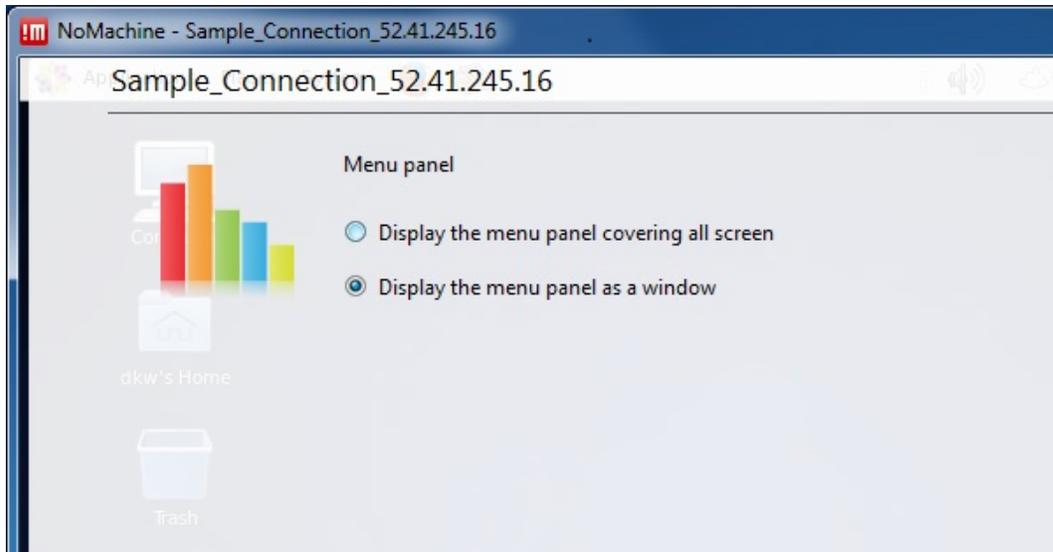
## Resizing the Desktop

1. Click the second icon at the bottom-left area of the screen to resize your remote screen.
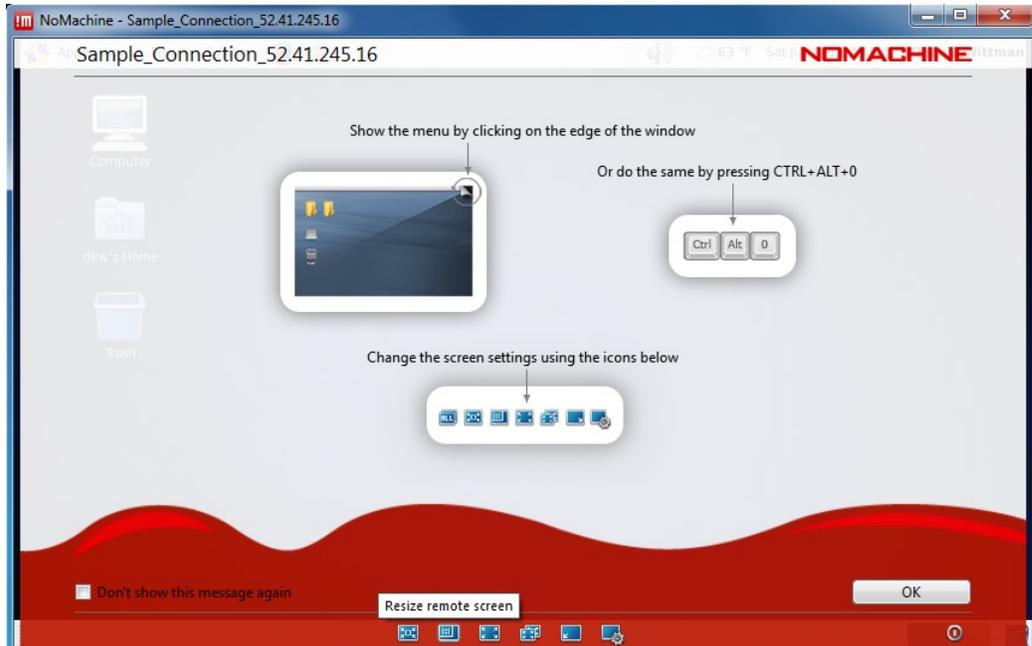


2. Click and hold on a window corner, then drag the window to the desired size, making it fairly large enough to accommodate pop-up windows within your desktop.
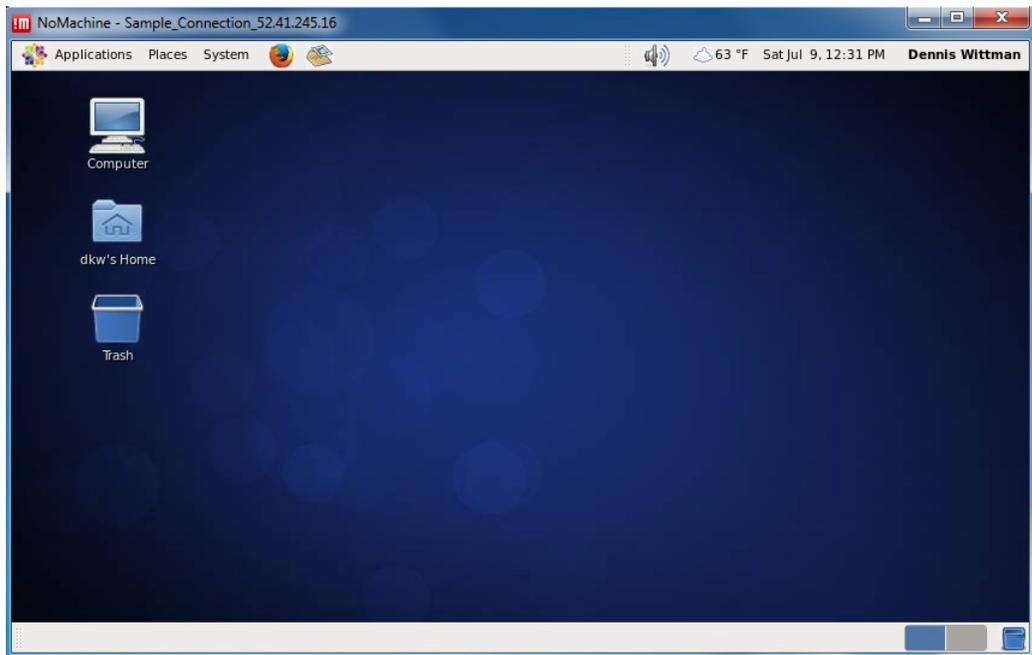
3. If you didn't resize the window in the previous step, you may select "**Display the menu panel as a window** (preferred) or "**Display the menu covering all screen"**.



4. If you need to resize your remote desktop once it is running, go to **System** -> **Preferences** -> **Display** within the desktop. If the pop-up menu doesn't fit on the screen, you may have to tab through and count the off-screen fields. The last off-screen field will cancel any changes; the next-to-last field is *apply any changes.*

## Other Tasks

To open a terminal window for a command-line interface, go to **Applications** -> **System Tools** -> **Terminal**.

When you're finished and ready to log out of NoMachine, click on your name in the upper-right corner and select **Quit**.