Cleveland State University

OPENVPN™
The open source VPN

Viking VPN Guide Mac

OSX VNC Usage

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1 : What is VNC?

What is VNC?
VNC is remote control software.

How does it work?
VNC uses the RFB (remote framebuffer) protocol and a simple authentication method. This allows a remote computer to send the keyboard and mouse functions to your office PC while receiving the remote screen display.

Is it secure?
VNC (as implemented on the Mac) does not use encryption directly, but since you need to connect with the VPN first, everything *will* be secure.

How is the performance?
It depends greatly on the bandwidth of your home Internet connection, and what other tasks you are doing at the time that might compete for that bandwidth. Normally it works fine on a decent cable/DSL connection. Note that the use of certain software (like Photoshop) might have sufficient lag in screen redraw as to render them unusable remotely.

Think of something we forgot to put here? Let us know! .. email "security@csuohio.edu" with questions.

2 : Enabling VNC on your office Mac

Step 1

We will need to enable VNC connections on our Mac. To do this from finder click on Apple in the top left corner of the screen and choose "System Preferences"
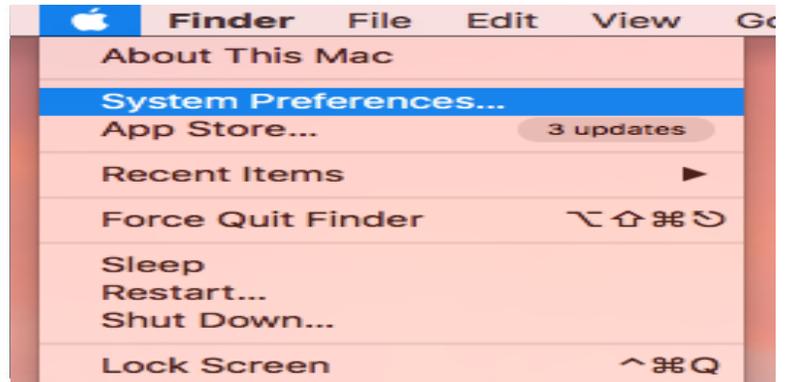
Step 2

Choose Sharing.
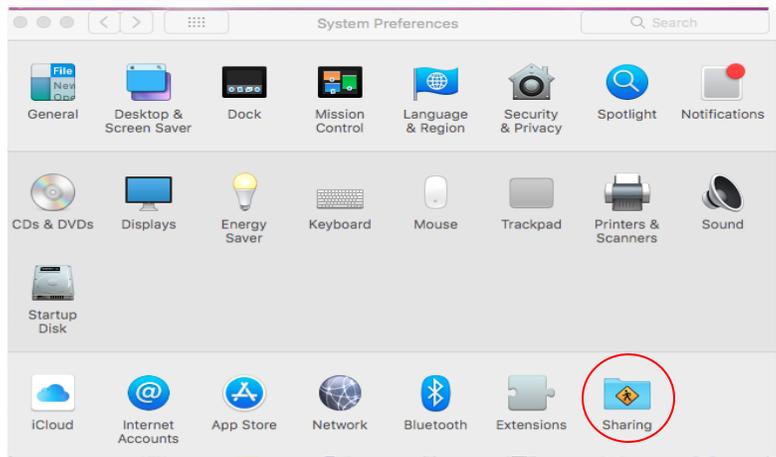
Step 3

In sharing, highlight the "Remote Management" option and select the "Computer Settings" button:
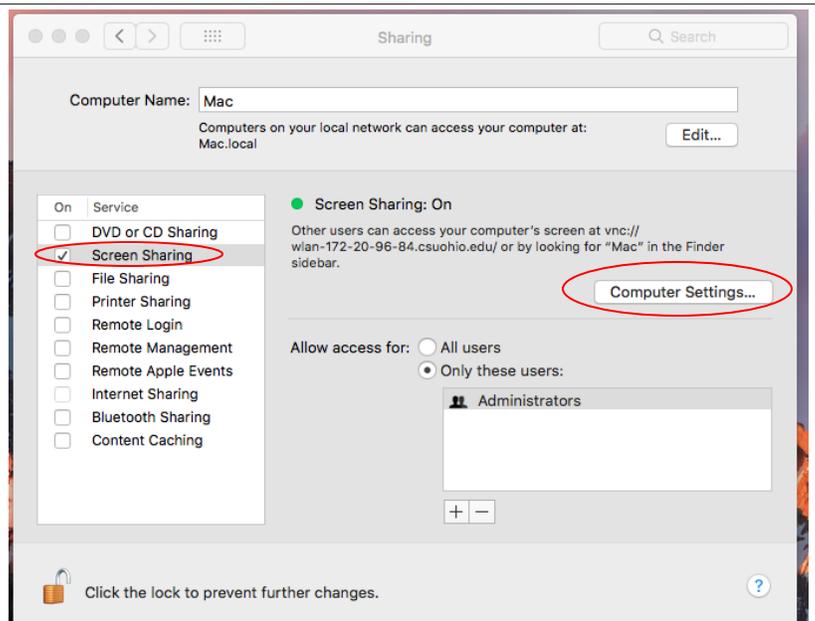
Step 4	
The window below should appear. Select the checkbox below and set a STRONG password for the connection:	
Step 6	
Make note of the address under screen sharing. You will need this to connect from home.	
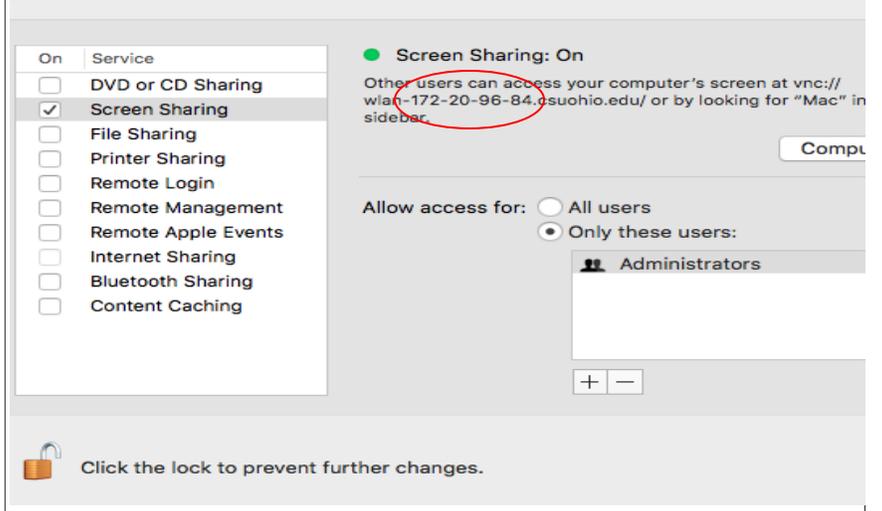
3: Connecting from your Home Mac

<u>Step 1</u> Make sure you are in Finder. You can do this by clicking the desktop. Click on 'Go' and then connect to server.	nder File Edit View **Go** Window Help Back ⌘[Forward ⌘] Select Startup Disk ⇧⌘↑ 📇 Recents ⇧⌘F 📄 Documents ⇧⌘O 🖥 Desktop ⇧⌘D ⬇ Downloads ⌥⌘L 🏠 Home ⇧⌘H 🖥 Computer ⇧⌘C 📶 AirDrop ⇧⌘R 🌐 Network ⇧⌘K ☁ iCloud Drive ⇧⌘I 🅰 Applications ⇧⌘A 🛠 Utilities ⇧⌘U Recent Folders ▶ Go to Folder... ⇧⌘G **Connect to Server...** ⌘K
<u>Step 2</u> A window will open up and from here you will need to enter the IP address of your work computer. Follow the format as shown. "vnc://xxx.xxx.xxx.xxx"	Connect to Server Server Address: vnc://137.▮▮▮▮▮ + ⊙▾ Favorite Servers: ? Remove Browse Connect
<u>Step 3</u> You will be asked to verify your credentials. This will be your CSU log in. (same as logging in to your work computer) Click connect and you should be successfully connected to your work computer.	Enter your name and password for "137.148.184.168" Name: ▮▮▮▮▮ Password: ●●●●●● ☐ Remember this password in my keychain Cancel Connect
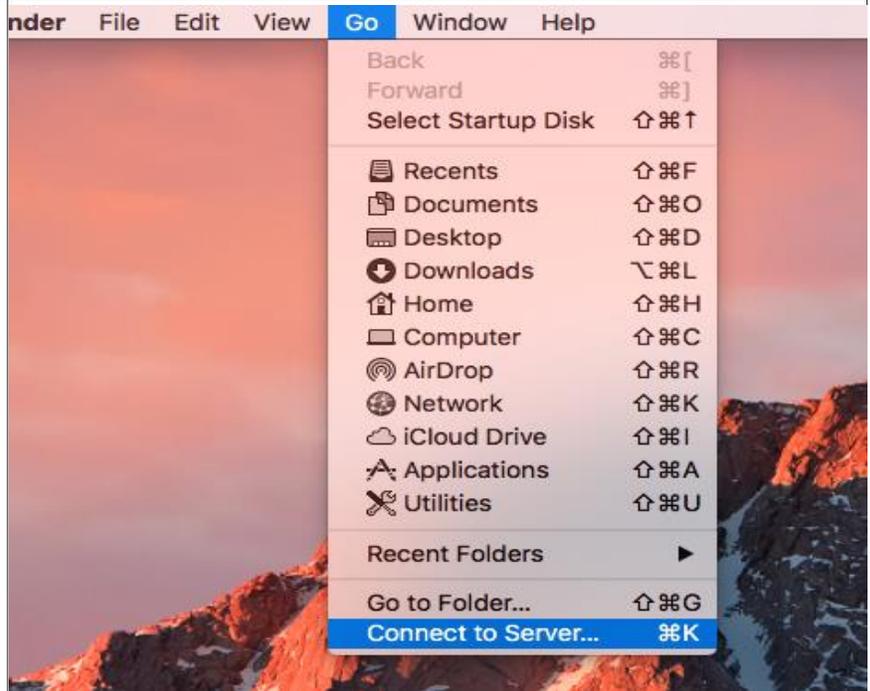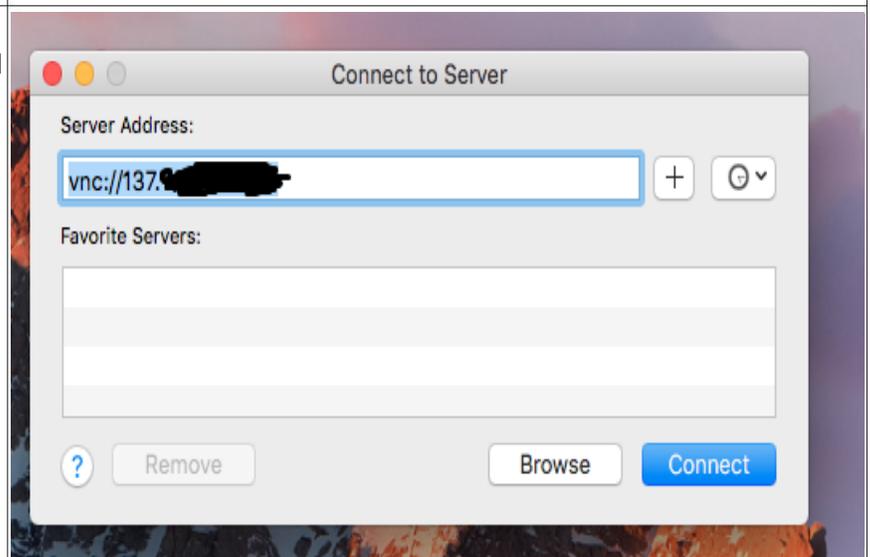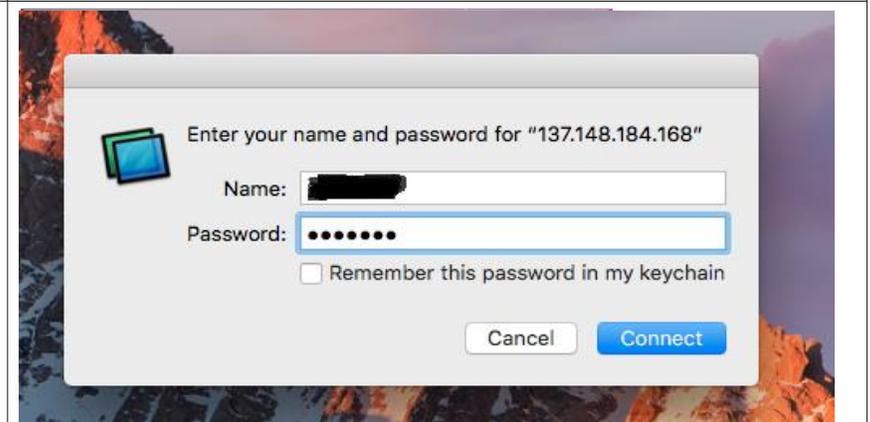
4: Reporting Errors

Sometimes things just never work quite like the instructions say they do it's okay, we're here to help.

The IS&T helpdesk can resolve many problems (passwords, etc.) over the phone by calling (216) 687-5050, however gathering additional information about exactly what's broken is helpful.

The best way to show us what's not working is to take a "screen shot" of the error message you're getting, or where you're getting stuck during the installation, configuration, or use of the VPN client.

To do this, use the key combination:
"Apple"+"Shift"+"3"
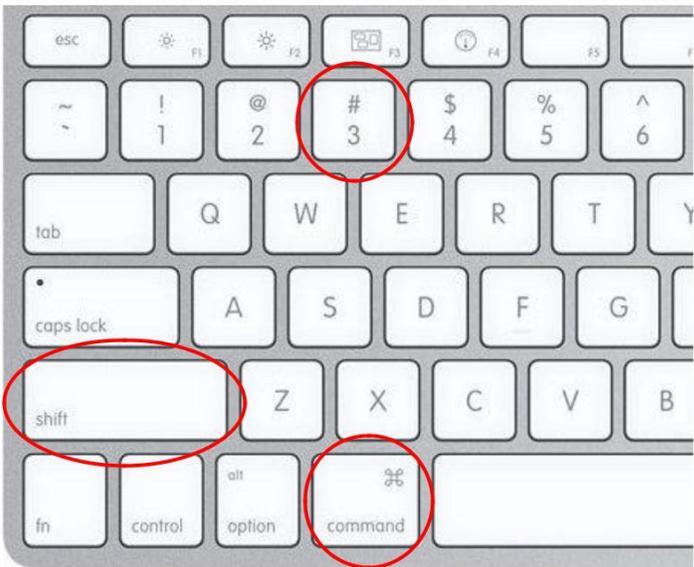
After doing the above, a screen capture will be automatically saved to your Desktop.

The file will be named "Screenshot (date).png" where date is the current date/time.

Email us the picture of what's broken at: security@csuohio.edu.

Please do your best to describe the circumstances surrounding the error.