

11falseonelisttrue

This guide provides a step-by-step instructions on how you can connect to RIS compute services through local PC/Laptop through GUI.

This guide details step-by-step instructions on connecting to RIS compute services via VNC GUI through a local Linux/macOS computer. Windows platform is currently not supported.

Pre-requisites

Connecting to WashU Network

If you are off campus, you will need to use a VPN to access compute1.

Instructions for accessing the WashU VPNs can be found [here](#).

If you run into issues using the VPN, you will need to follow the directions in the previous link to contact WashU IT proper.

Compute/Storage Allocation

User must have a compute/storage allocation.

If you do not have one, You can request [here](#).

Install TurboVNC Viewer

Install [TurboVNC Viewer](#) on the local computer

On MacOS, run:

Validate that installation is successful. There should be an application under Finder -> Applications.

Install [expect](#), on local computer run:

Validate that installation is successful.; run:

(Optional) Add vncviewer in the PATH variable, Open Terminal then run:

```
> ~/.zshrc source ~/.zshrc]]>
```

Add SSH Private-Public Key Pair

If you do not have SSH private-public key pair already setup. Please refer our guide [here](#)

Connecting through NoVNC

User should be either connected to campus network or WashU VPN.

Download [LaunchDesktop.zip](#) to a desired location, preferably, on the Desktop. (note: WashU login required)

Unzip `LaunchDesktop.zip` or just double-click on the zip file.

This will output an executable file `LaunchDesktop`.

Now open the `LaunchDesktop` file with any text editor and enter your WashU Key in the first line as below example:

This viewer was created before the change to WashU Key and so the variable name that should be used is still WUSTLKEY.

Double-click the executable. It will open a terminal session, connect to RIS platform, submits a job and output a command to connect VNC viewer. (Refer example screenshot below)

Now, copy the command that starts with `/opt/TurboVNC/...` in another instance of terminal and run it.

You shall be able to now access desktop GUI on the compute node.

