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View Split Screen


[Yuhan Hou](https://q.utoronto.ca/courses/356425/users/204801) (<https://q.utoronto.ca/courses/356425/users/204801>) AUTHOR | TA

Sep 18 9:20pm

VNC connection

Hi all,

I received several emails these days related to the VNC connection issue. Here are two easier ways to access ug machine via VNC, which apply to both Windows and Mac IOS systems. I hope this can help.

Method1:

1. Open the terminal on your PC. Type "ssh <your utoid>@ugxx.eecg.toronto.edu"
2. Enter the password (which in default should be your student number)
3. Now, you are on ug machine. Type "vncserver -list" to check if there's a vnc session opened on this ug machine.
4. If there's a vnc session in the list, skip this step. If the list is empty, type "vncserver -localhost no". Now, you create a VNC session.
5. Open a **new** terminal window, type: ssh -L 5901:127.0.0.1:5901 <your utoid>@ugxx.eecg.toronto.edu
6. Enter the password to log into ug machine.
7. Now, everything should be set. Open any VNC software you have on your PC (tigervnc, realvnc, ... whatever), connect to **127.0.0.1:1**, then you should be in.
8. *** Never close the second terminal window when you are using VNC, otherwise you will lose the connection.**

```

[OpenSSH SSH client] Microsoft Windows [Version 10.0.19045.4894]
(C) Microsoft Corporation. All rights reserved.

C:\Users\yuhanh>sh houyuhaz@ug148.eecg.toronto.edu
houyuhaz@ug148.eecg.toronto.edu's password:
Linux ug148 6.1.0-15-nd6 #1 SMP PREEMPT_DYNAMIC Debian 6.1.106-3 (2024-08-26) x86_64

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Wed Sep 18 20:46:00 2024 from bras-base-toronto0260a.grc-54-70-55-18-187.dsl.bell.ca
ug148:~%
```

```

[OpenSSH SSH client] Microsoft Windows [Version 10.0.19045.4894]
(C) Microsoft Corporation. All rights reserved.

C:\Users\yuhanh>L 5901:127.0.0.1:5901 houyuhaz@ug148.eecg.toronto.edu
houyuhaz@ug148.eecg.toronto.edu's password:
Linux ug148 6.1.0-15-nd6 #1 SMP PREEMPT_DYNAMIC Debian 6.1.106-3 (2024-08-26) x86_64

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: wed Sep 18 20:48:21 2024 from bras-base-toronto0260a.grc-54-70-55-18-187.dsl.bell.ca
ug148:~%
```

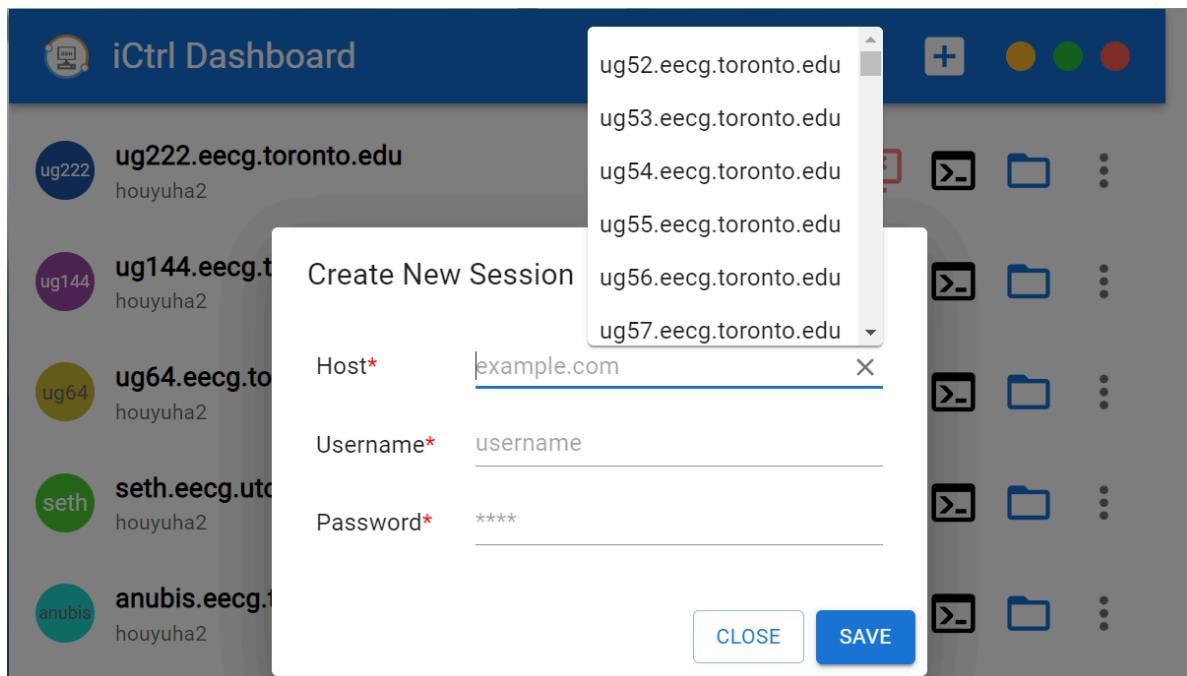
```
ug148:~% vncserver -localhost no
New Xtigervnc server 'ug148.eecg.toronto.edu:1 (houyuha2)' on port 5901 for display :1.
Use xtigervncviewer -SecurityTypes VncAuth,TLSVnc -passwd /tmp/tigervnc.y2tcw0/passwd ug148.eecg.toronto.edu:1 to connect to the VNC server.

ug148:~% vncserver -list
TigerVNC server sessions:
X DISPLAY #    RFB PORT #      RFB UNIX PATH    PROCESS ID #    SERVER
1              5901                  /tmp/tigervnc...  1095104        Xtigervnc
ug148:~%
```

VNC Viewer: Connection Details
VNC server: 127.0.0.1:1
Options... Load... Save As...
About... Cancel Connect

Method2 (not always stable but easier):

1. Download iCtrl APP from <https://github.com/junhaoliao/iCtrl> (designed by a group of students at UofT)
2. Add a section by choosing any ug machine you want to connect. Enter your utoid and password (default should be student number).
3. Click save, and then the selected session should be shown in the dashboard. Double-click the session to connect.



If you still have any more issues, please attend the tutorial tomorrow.

Yuhan

This topic is closed for comments.