

How to Remotely Access to Your Computing Server in Statistic Lab?

Statistics program provides remote computing services to our faculties and students who would like to perform high performance computing for their research and FYP. This is an instruction manual showing you how to remotely access to the computing server in our statistic lab.

Configuration of the Computing Server

Your computing server is an independent virtual machine running on our servers. In order to take full advantage of our servers and also satisfy the total demand of high performance computing in our program, the main configuration of your server is set as follows,

CPU: Intel Xeon 5 Cores 2.2G

RAM: 16G

Size of Hard Disk: 110G

According to the survey of your preferences of operation systems, Windows 10/8.1 or Ubuntu Desktop/Server LTS 16.04 are installed in your server. The administrator/root account and password will be sent to you via email. You can change your password after accessing your server, but you are NOT allowed to change your account name.

Rules of Using the Computing Server

The computing servers are only for your research and teaching use. You need to follow rules of ITSC in UIC to use the computing servers.

Remotely Access to the Computing Server

1. TeamViewer

TeamViewer (<https://www.teamviewer.com/en/>) is a fast remote desktop tool to keep all your computers, servers, and devices at your fingertips, and it is free for non-commercial use. It should be installed on both of your own PC and the remote server, and then you can access to the server from your own PC via User ID and Password provided by the TeamViewer terminal on the server.

Step 1. TeamViewer has been already successfully installed in your server. The User ID and Password are provided to allow you to connect to your server from your own PC (See Fig. 1). They will be sent to you individually. The ID and Password may change after you restart your server. You can also sign up for a TeamViewer account on <https://login.teamviewer.com/LogOn#register> so that you can use your own permanent id and password to access the server.

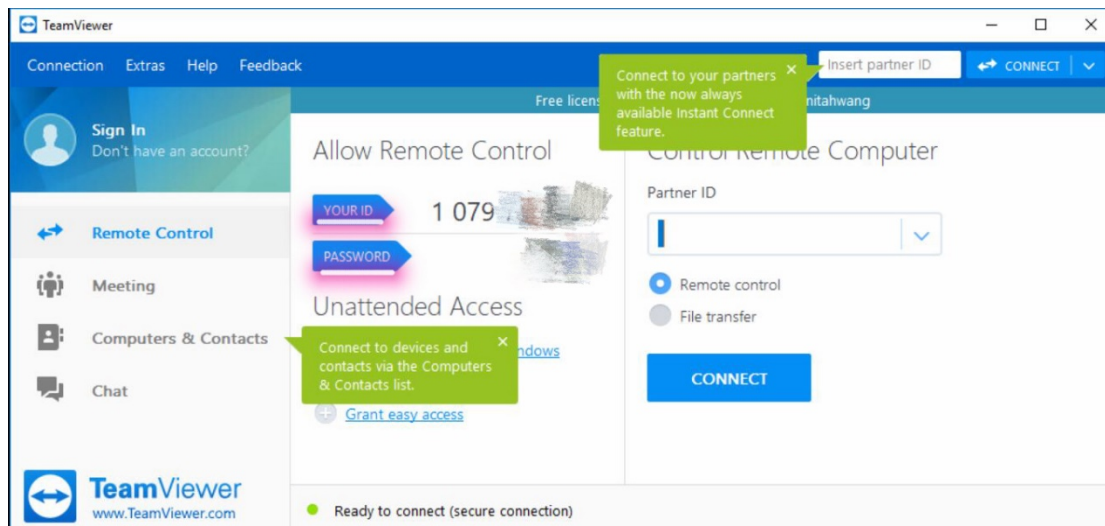


Fig. 1 User ID and Password provided by TeamViewer

Step 2. Download the corresponding installing file for your own PC operation system from <https://www.teamviewer.com/en/download/windows/> (See Fig. 2). TeamViewer provides various terminals which can be run on your PC and mobile phone.

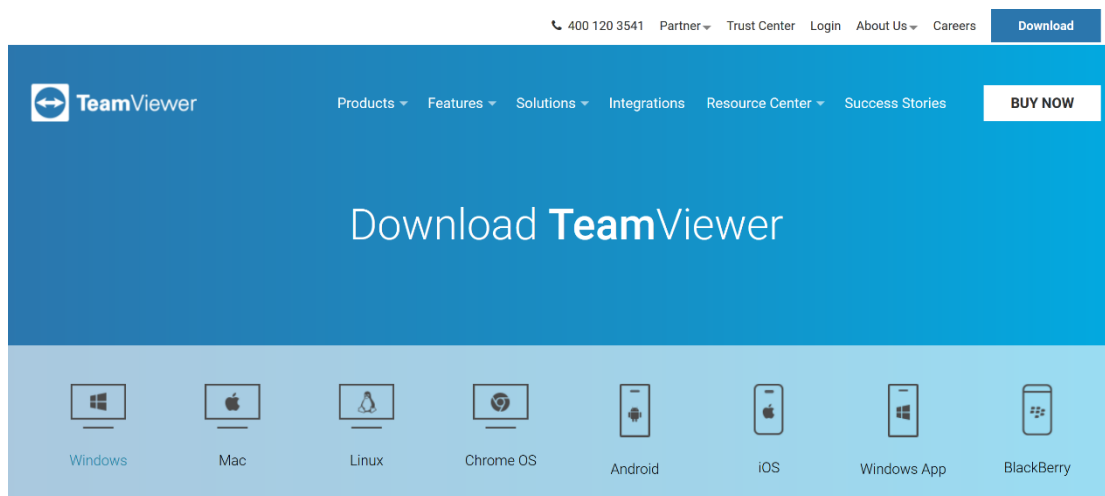


Fig. 2 Download TeamViewer

Step 3. Install TeamViewer on your own PC and run it. Fill in the Partner ID with the User ID in Step 1. Click CONNECT button and provide your password, then you will be successfully access to the desktop of your server (see Fig. 3). You can adjust the screen resolution for a better display effect.

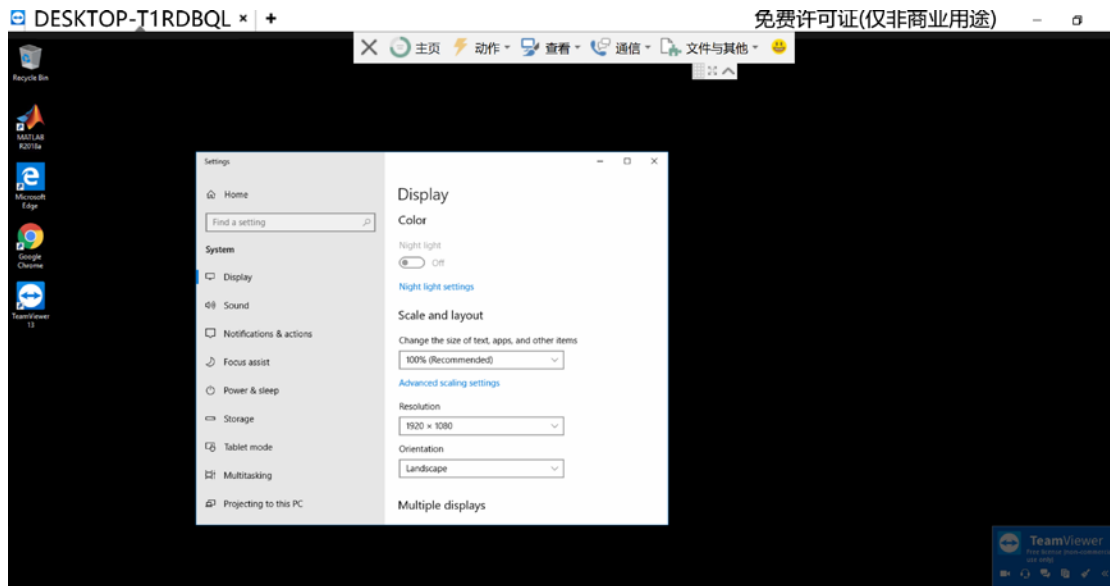


Fig. 3 Successfully access to the desktop of your server

2. SSH

SSH (Secure Shell) is a software package that enables secure system administration and file transfers over insecure networks. SSH server and client need to be installed on your server and your own PC, respectively. SSH is well supported in Linux, so for those who use Ubuntu on their servers, SSH is an alternative software for them to remotely access to the servers.

Step 1. Download and install SSH server on your server. OpenSSH is an open source implementation of the SSH protocol (<https://www.ssh.com/ssh/openssh/>). Please refer to the website <https://help.ubuntu.com/lts/serverguide/openssh-server.html> to install OpenSSH server, configure the server application and generate keys for accessing the server.

Step 2. Download and install SSH client on your own PC. For Ubuntu OpenSSH client is usually initially installed. If not, use the command `sudo apt install openssh-client` to install the client on your Ubuntu. For windows Putty is a popular windows SSH client and typically used for remote access to server computers using the SSH protocol. You can download Putty client from <https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html> and install it. The user instruction can be found on <https://www.ssh.com/ssh/putty/windows/>.

Software on the Computing Server

Matlab2018a has been installed in your server, and you can install other software such as R and Python by yourself. You need to follow the rules of using software in UIC.

Inquiry

If you have any difficulties in accessing and using your remote computing server, please contact the administrator:

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