

课程仿真服务器连接教程

(windows系统，使用MobaXterm)



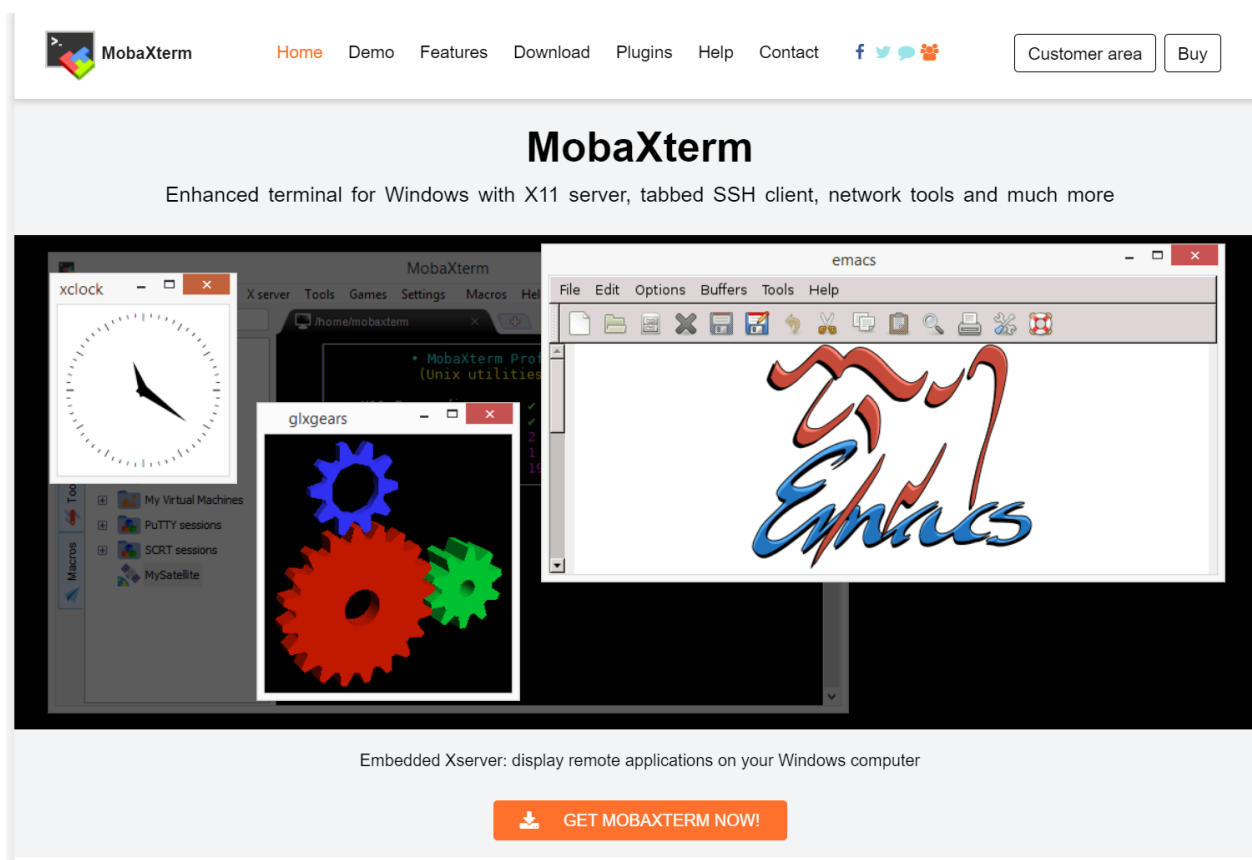
清华大学

Tsinghua University

连接前准备

- 下载安装 MobaXterm

<https://mobaxterm.mobatek.net/download-home-edition.html>



连接步骤

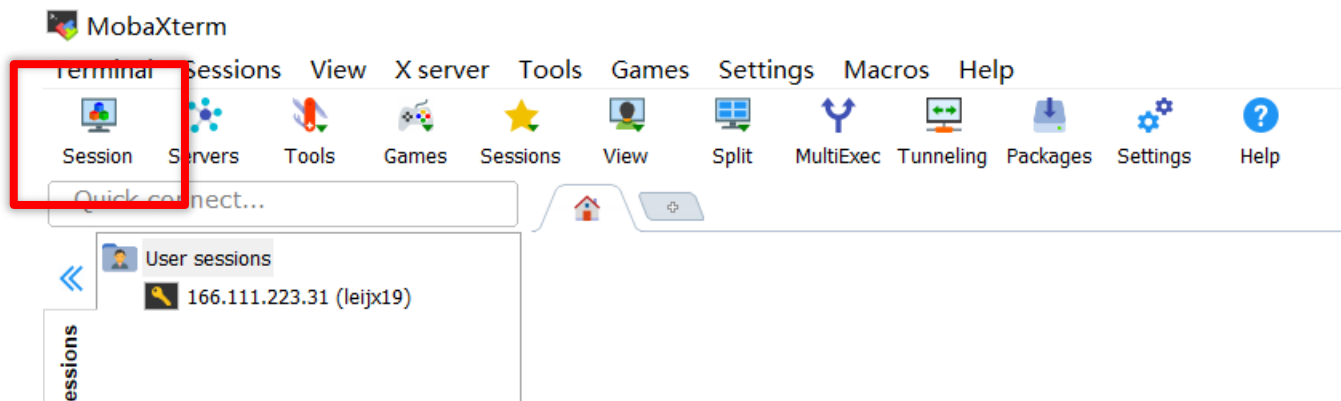
- 非校园网内连接远程服务器，需先通过 sslvpn 连接清华校园网



连接方法详见：<http://info.tsinghua.edu.cn/out/help.jsp>

连接步骤

- 打开 MobaXterm
- 首次使用时，新建session；再次使用时，打开之前建立的会话即可



连接步骤（新建Session）

- 选择SSH
- Remote host 填写 166.111.223.31
- Username 为学号（不是图示的校园网账户名）
- 勾选 X11-Forwarding（默认已勾选）

The screenshot shows the 'Session settings' dialog box with the 'SSH' tab selected. The 'Basic SSH settings' section contains the following fields:

- Remote host *: 166.111.223.31
- ☒ Specify username: leijx19
- Port: 22

The 'Advanced SSH settings' section is expanded, showing the following options:

- ☒ X11-Forwarding
- ☒ Compression
- Remote environment: Interactive shell
- Execute command: (empty field)
- ☐ Do not exit after command ends
- SSH-browser type: SFTP protocol
- ☐ Follow SSH path (experimental)
- ☐ Use private key (empty field)
- ☐ Adapt locales on remote server
- Execute macro at session start: <none>

At the bottom of the dialog are 'OK' and 'Cancel' buttons.

连接步骤

- 点击“OK”后，输入账户密码，默认为“!学号”
- 登录成功后，使用passwd命令修改密码

```
? MobaXterm 20.3 ?  
(SSH client, X-server and networking tools)  
  
> SSH session to leijx19@166.111.223.31  
? SSH compression : ✓  
? SSH-browser      : ✓  
? X11-forwarding   : ✓ (remote display is forwarded through SSH)  
? DISPLAY          : ✓ (automatically set on remote server)  
  
> For more info, ctrl+click on help or visit our website  
  
Last login: Sat Sep 26 20:29:10 2020 from 101.6.68.248  
[leijx19@eda ~]$ passwd  
Changing password for user leijx19.  
Changing password for leijx19.  
(current) UNIX password:  
New password:  
Retype new password:  
passwd: all authentication tokens updated successfully.  
[leijx19@eda ~]$
```

服务器使用

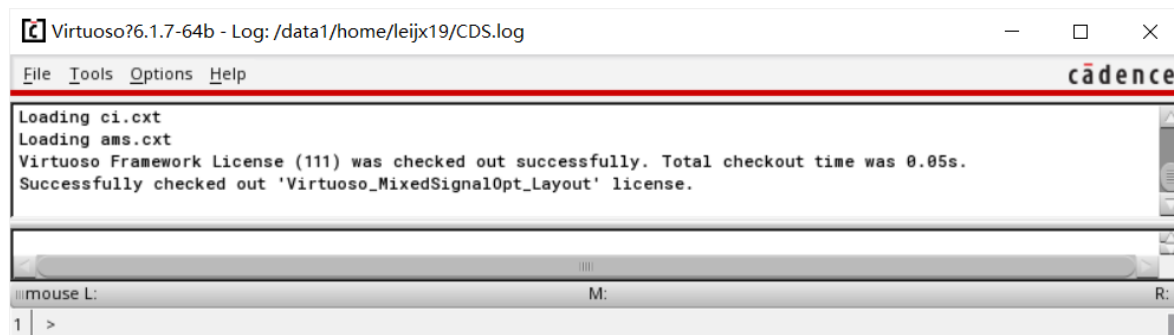
- 输入 “cd usrtmp” 命令进入仿真文件夹
- 输入 “virtuoso &” 命令，即可打开 Cadence Virtuoso

```
Xshell for Xmanager Enterprise 5 (Build 1236)
Copyright (c) 2002-2017 NetSarang Computer, Inc. All rights reserved.

Type 'help' to learn how to use Xshell prompt.
[d:\~]$

Connecting to 166.111.223.31:22...
Connection established.
To escape to local shell, press 'Ctrl+Alt+J'.

Last login: Fri Sep 18 19:47:44 2020 from 101.6.68.248
[leijx19@eda ~]$ ls
usrtmp
[leijx19@eda ~]$ cd usrtmp
[leijx19@eda usrtmp]$ virtuoso &
[1] 12318
[leijx19@eda usrtmp]$
```



如果需要向服务器传送文件，可通过FileZilla等支持sftp的客户端软件进行

附：Linux基础知识

- Linux 简介: <http://www.runoob.com/linux/linux-intro.html>
- Linux 常用命令: <https://www.jianshu.com/p/0056d671ea6d>

本课程仅需掌握前8个命令。

- Linux 命令练习

<https://bellard.org/jslinux/vm.html?url=https://bellard.org/jslinux/buildroot-x86.cfg>

在服务器未开放前可以使用该模拟页面进行练习