

**Computer Science Practice and Experience: Operating Systems (Comp Sci 3SH3),  
Term 2, Winter 2022  
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Practice Lab -1a – Clarifications**

Moving Files Between the Host and the Virtual Machine

You can use the `wget` command from the virtual machine to download files from remote systems. For example, to download the source code for Operating System Concepts, enter

```
wget http://cs.westminstercollege.edu/~greg/osc10e/final-src-osc10e.zip
```

To move files between the host operating system and your virtual machine, you will have to set up port forwarding.

Here is an additional link for where to find the below parameters:

<https://nsrc.org/workshops/2014/btnog/raw-attachment/wiki/Track2Agenda/ex-virtualbox-portforward-ssh.htm>

Name	Protocol	Host IP	Host Port	Guest IP	Guest Port
ssh	TCP	127.0.0.1	2222	10.0.2.15	22

To access your virtual machine guest:

**macOS (OS X)**

Using terminal, enter the command

```
sftp -P 2222 osc@127.0.0.1
```

This will provide you with ftp access to exchange files between your host and virtual machine guest.

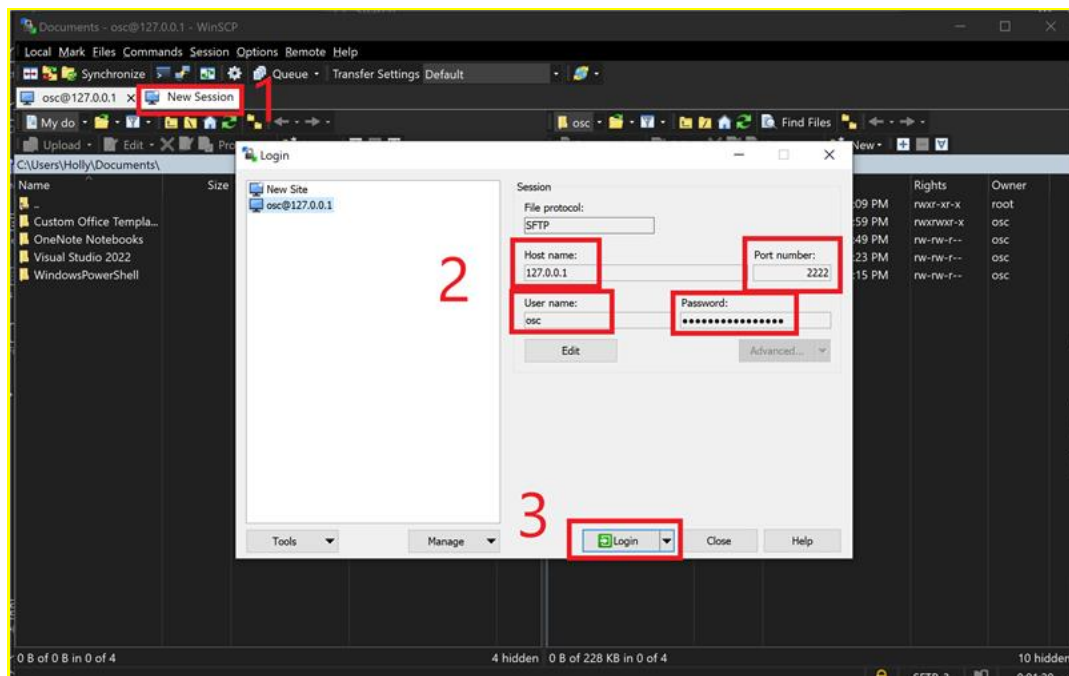
**Using Windows**

We recommend using [winscp](#), freely-available software.

Subsequently, after downloading WinSCP for Windows systems, we specify exactly what information should be added to the New Session. This video is a good option:

<https://www.youtube.com/watch?v=YhcXd74xF3Q&t=81s>

Alternatively, the below screenshot highlights the details needed:



- 1) Select "New Session" if this pop-up does not appear after installation
- 2) Enter the "Host IP" from VM Network tab into WinSCP's "Host Name", and match the Port Number.  
Host Name: 127.0.0.1  
Port Number: 2222  
User name: osc  
Password: osc
- 3) Click "Login"  
A new directory should open where you can access your VM's files.