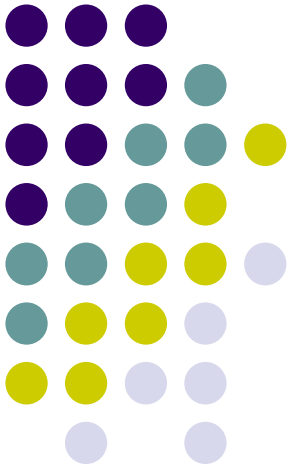
Connecting to CSEDell server using SSH clients

2019. Fall

Instructor: Joonho Kwon

jhkwon@pusan.ac.kr

Data Science Lab @ PNU



datalab

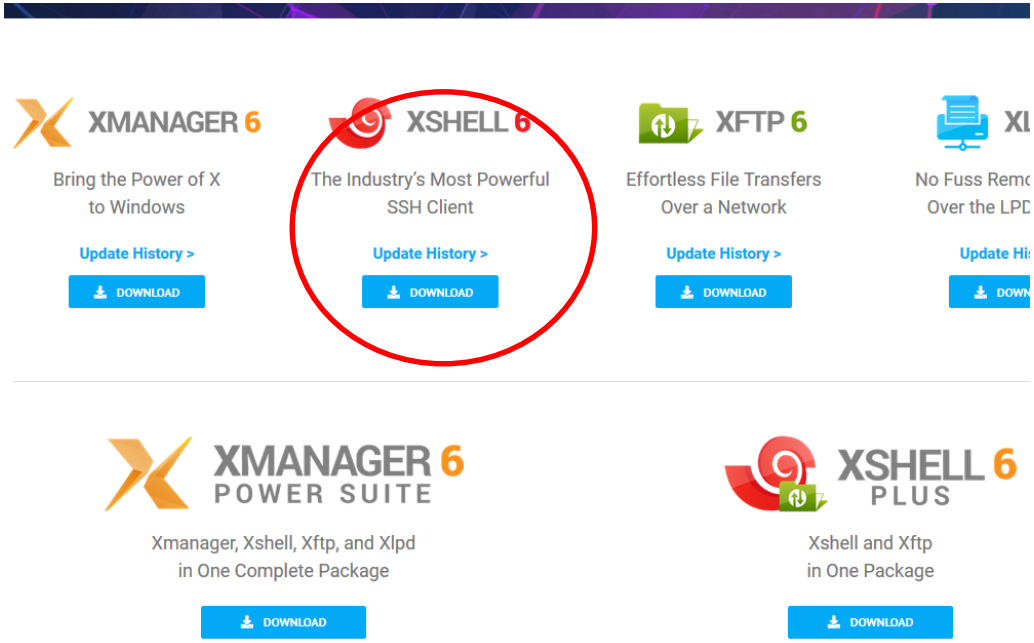
data science laboratory

SSH clients

- An SSH client is a program that uses secure shell to connect to a remote system
- Examples
  - Putty (free)
  - Xshell (free)
  - Terminals (free)
    - https://github.com/terminals-Origin/Terminals
- You can use any SSH client softwares

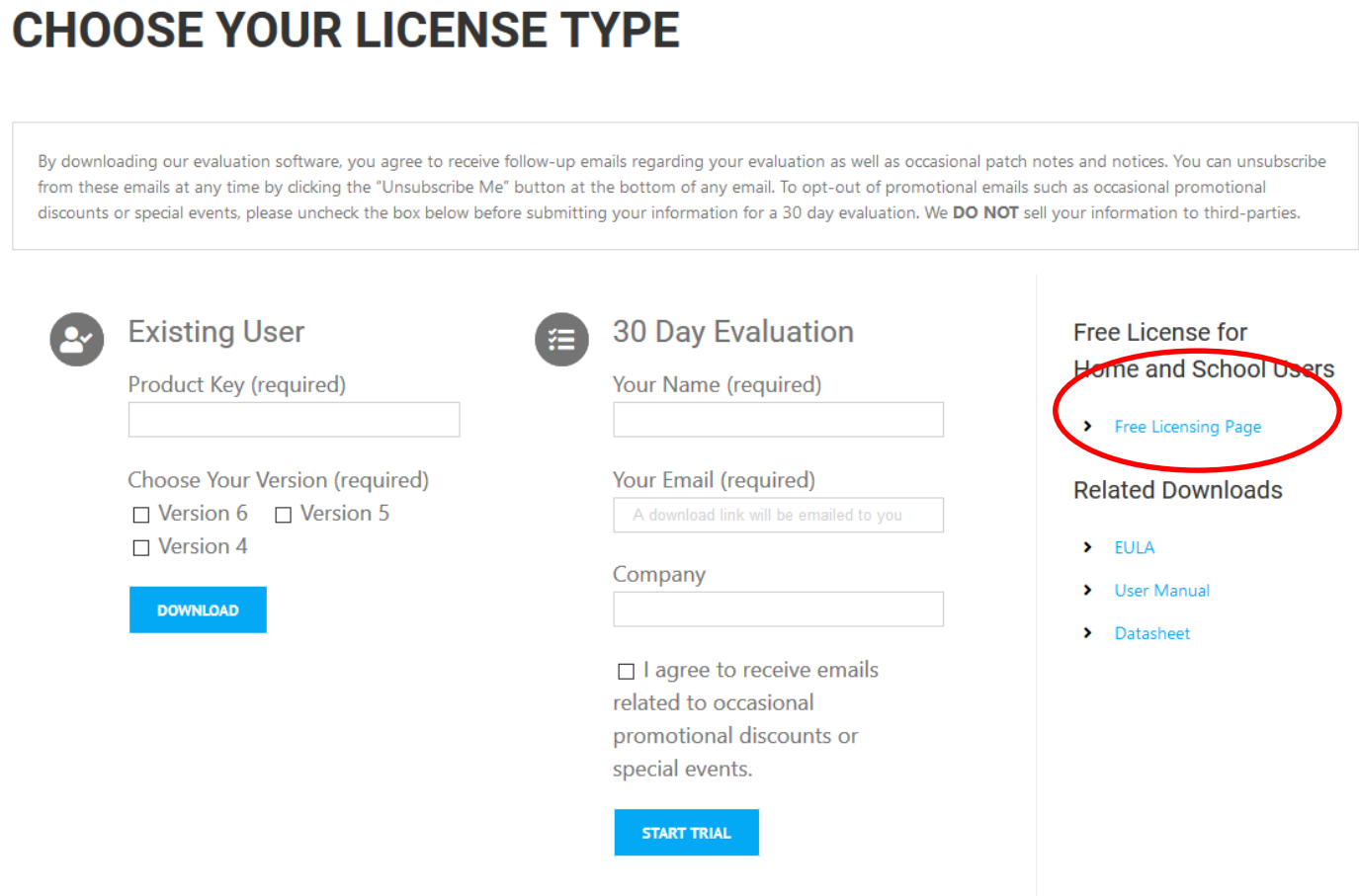
Xshell (and XFTP)

- One of SSH clients
  - https://www.netsarang.com/en/all-downloads/
- Any SSH clients can be used
  - Putty, SSHclient, …



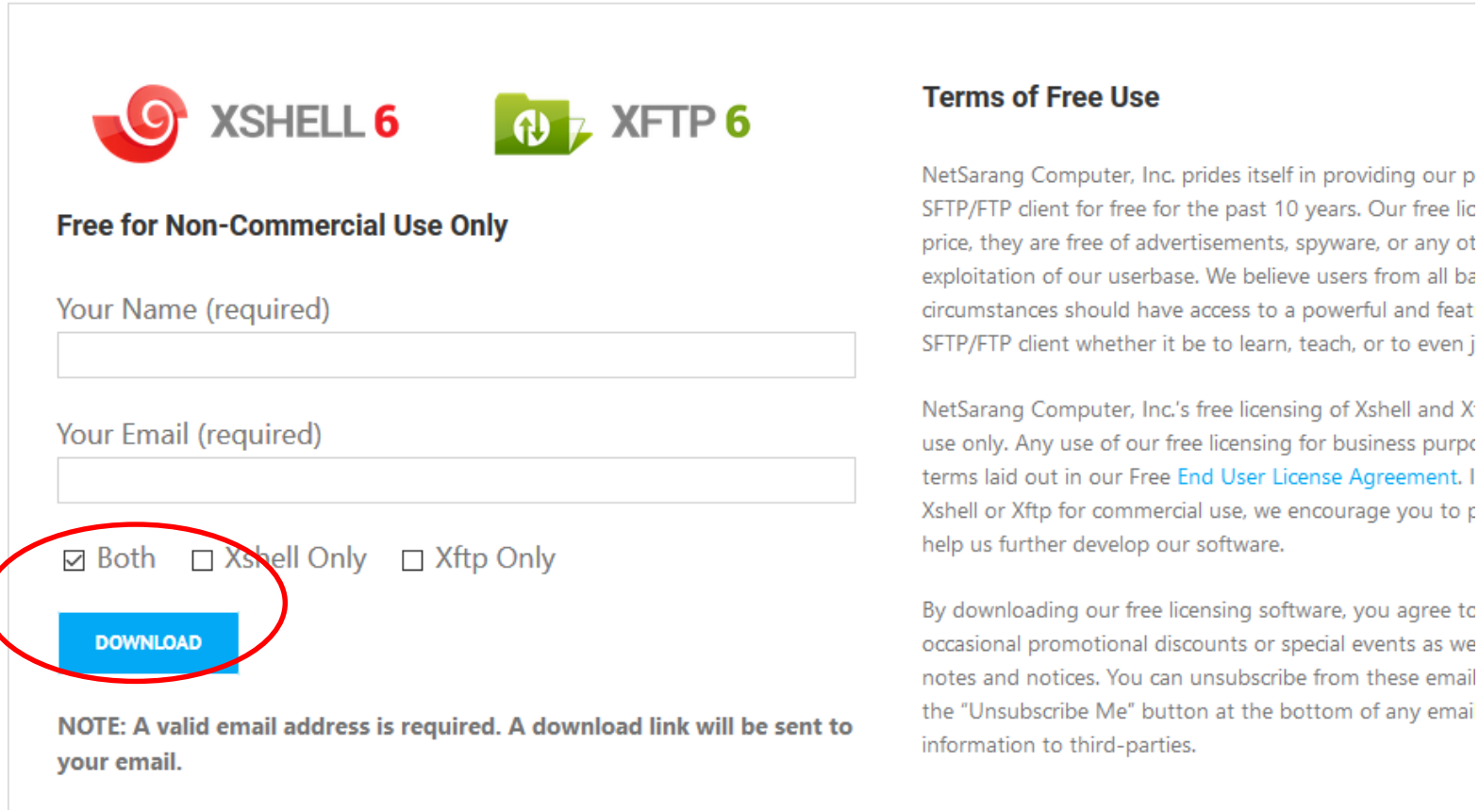
Choose your license type

- Click Free Licensing Page



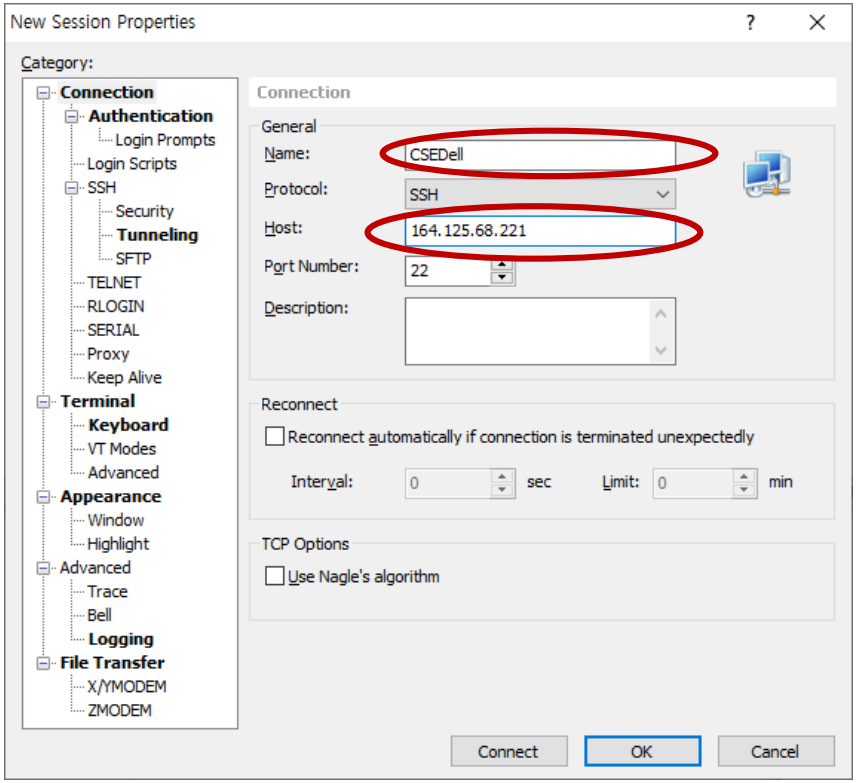
Download

- Provide your name and email
- Check Xshell and Xftp



Creating a session

- On the **File** menu,click **New**.
  - RESULT: **New Session Properties** dialog box opens.

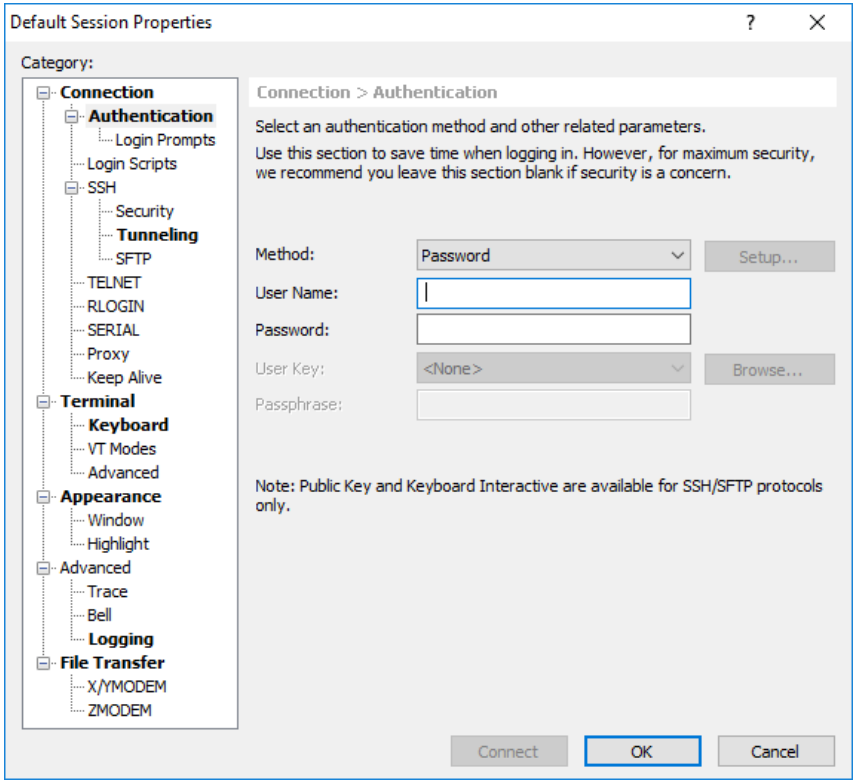


- In the **Host** box, enter the hostname or IP address of the remote server.

- For example
  - Name: CSEDell
  - Host: 164.125.68.221

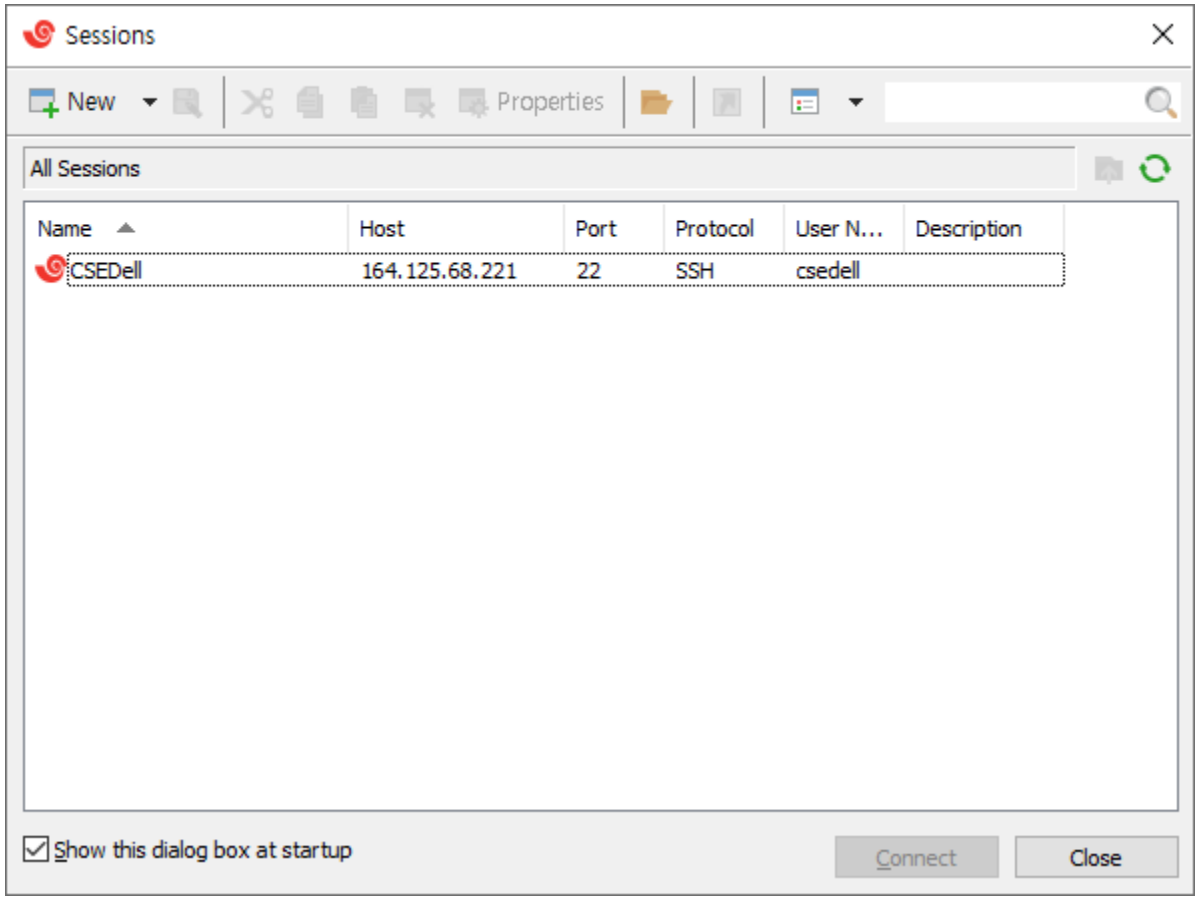
Authentication

- Click on the **Authentication** in the category menu.
- In the **User Name** box, enter the name of your account on the server.
- Click OK



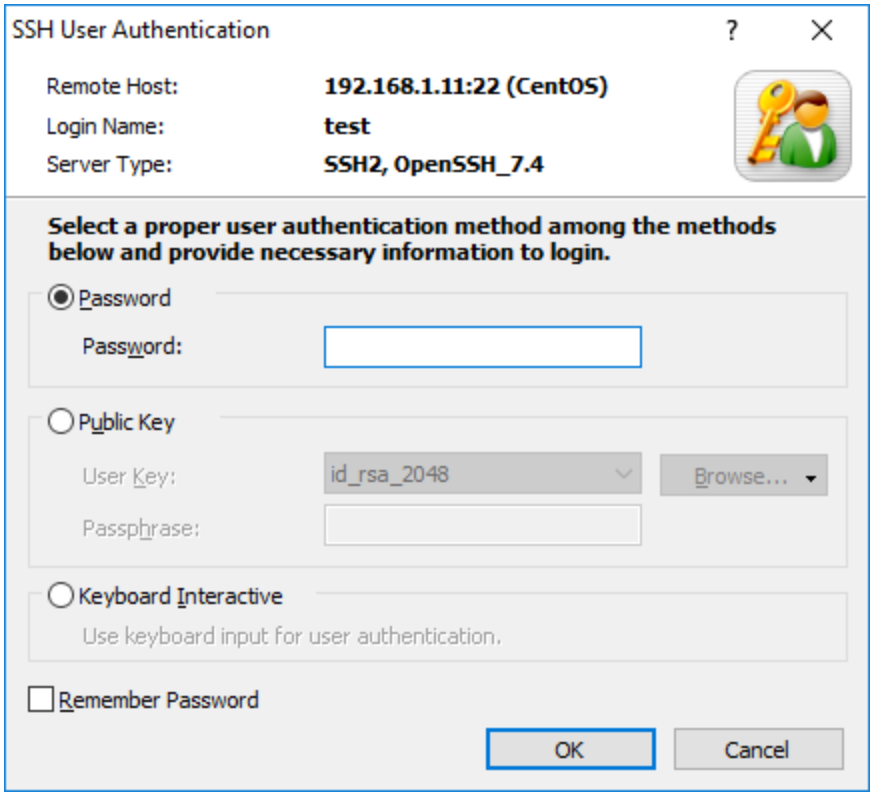
Connecting to the remote host (1/2)

- On the **File** menu, click **Open**.



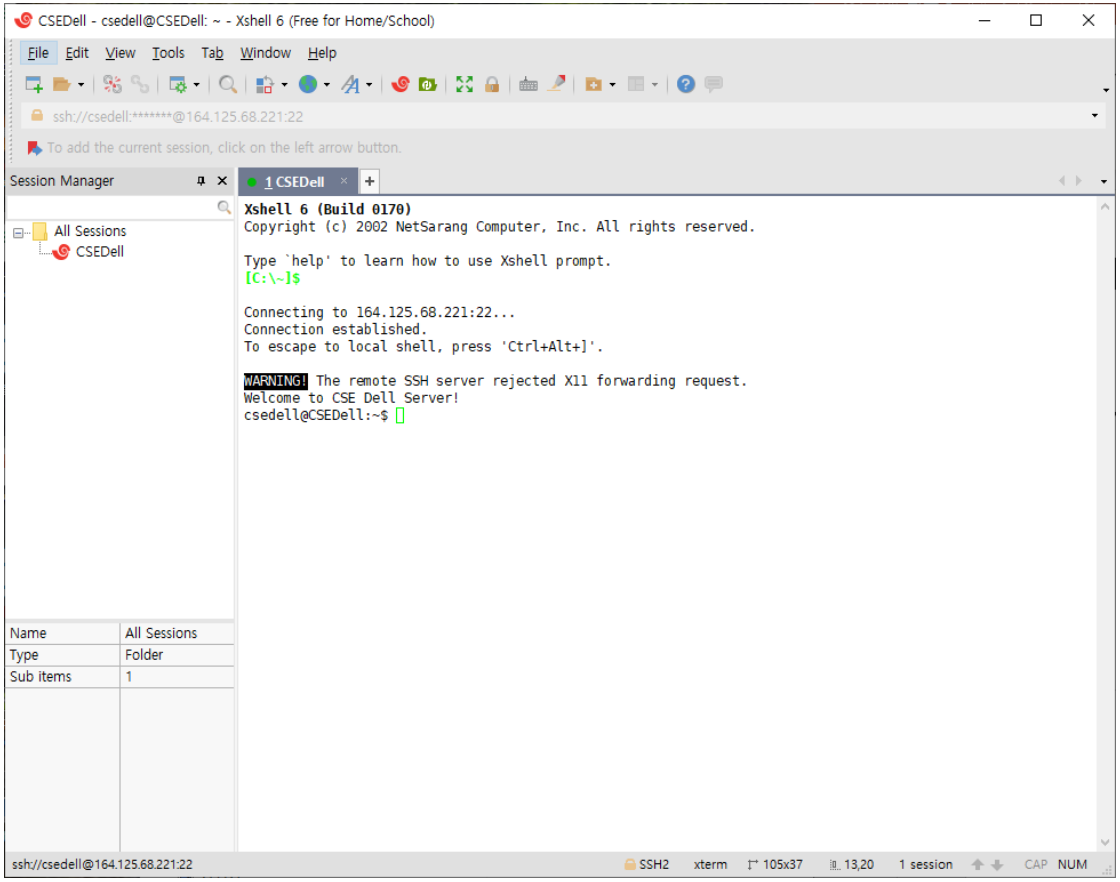
Connecting to the remote host (2/2)

- select the session you want to connect to. And click **Connect**.



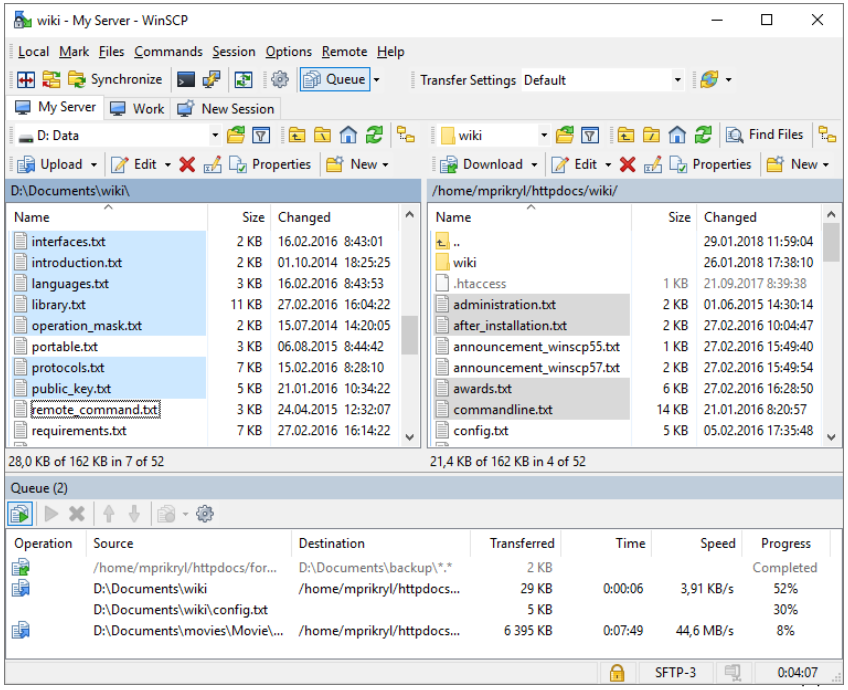
Screen shot of XShell

- It’s a terminal.



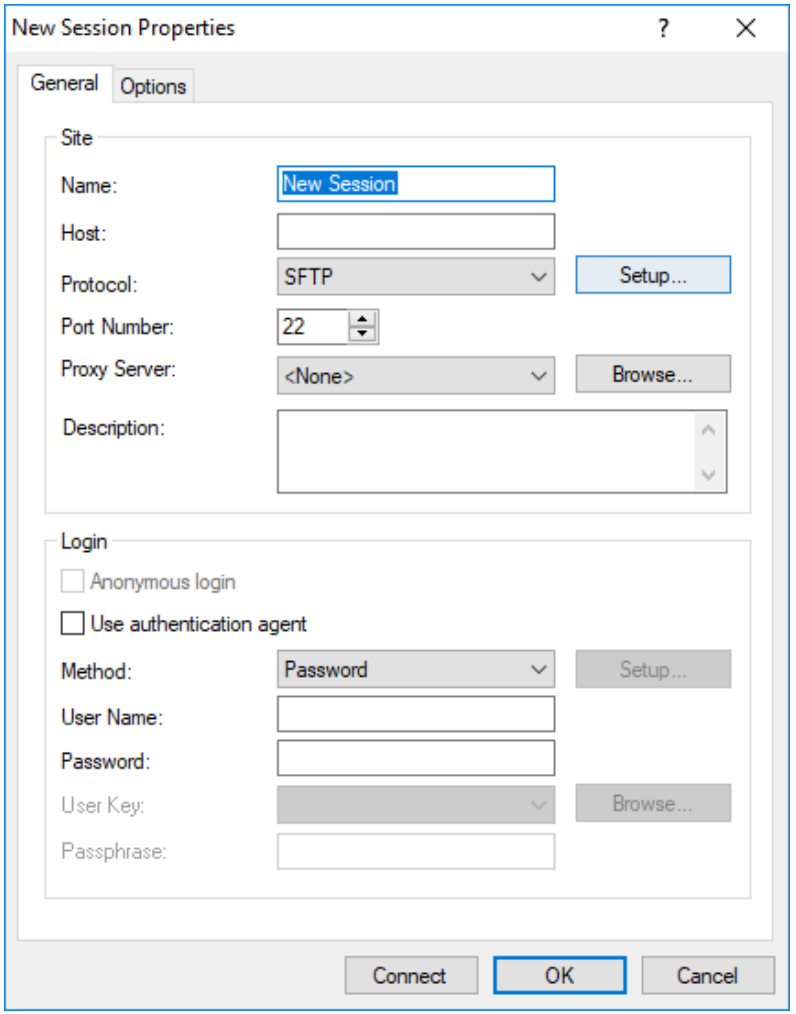
Uploading and downloading files to Remote computers

- The File Transfer Protocol (FTP)
  - a standard network protocol used for the transfer of computer files between a client and server on a computer network
- FTP clients program
  - Filezilla, Xftp, winscp, …

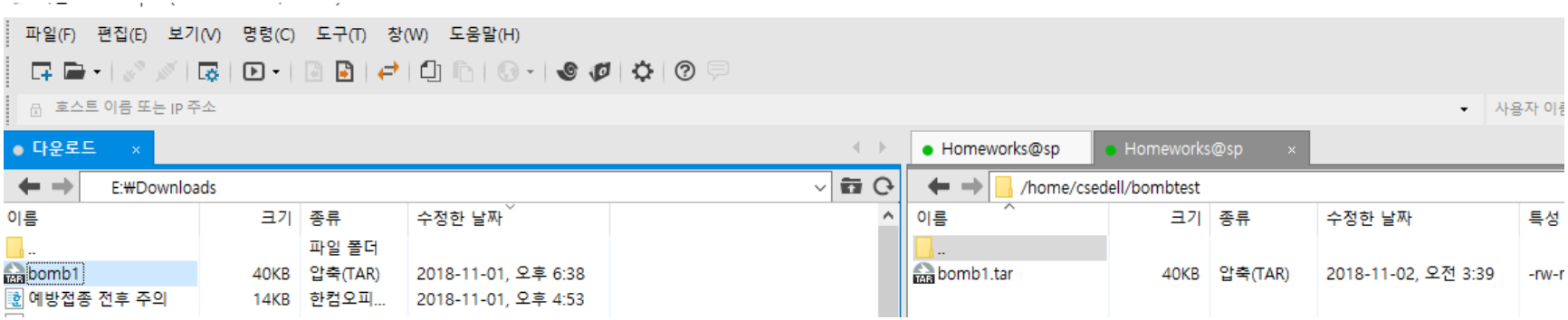


Creating a session on XFtp

- Similar to Xshell
  - Provide all information
- Protocol should be SFTP



Screen shot of Xftp



Q&A