

# SSH & SCP

## Connecting to and Transferring Files in Linux

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# Secure SHell (SSH)

- **SSH is used to connect to Unix systems from other Unix systems**
- **ssh <username>@cycle2.eecs.ku.edu**
- **Example**
  - a123b456@cycle2.eecs.ku.edu

# Secure SHell (SSH) for Windows

- **Tutorial to enable SSH in Windows 10**
  - <https://www.howtogeek.com/336775/how-to-enable-and-use-windows-10s-built-in-ssh-commands/>

# Secure CoPy (SCP)

- **SCP** is used to copy files from one server to another
- **scp**  
`<username>@cycle2.eecs.ku.edu:/home/<username>/<file_path> <file_name>`
- **Example**
  - scp  
a123b456@cycle2.eecs.ku.edu:/home/a123b456/Desktop/demo.txt demo.txt
  - This command downloads demo.txt from the cycle servers to the machine that ran the command.

# Secure CoPy (SCP)

- To upload a file use
- **Scp** **<file>**  
**<username>@<destination>:<directory>**
- **Example**
  - Scp demo.txt a123b456@cycle2.eecs.ku.edu:~