MORE SSH

SSH HOSTNAME ALIASES

- Allow you to type short name without username
- Edit `~/.ssh/config` - for each alias:

```
Host eos01
Hostname eos01.cis.gvsu.edu
User yourusername
```

- Can do same thing for `eos02`, etc.
- **Important:** WSL v1 users should use `Hostname 35.39.165.61` (or other IP)
- Use `eos01` in place of `username@eos01.cis.gvsu.edu`

SSH KEYS

- Annoying to enter password everytime!
- Default locations (on machine ssh'ing *from*)
    - `~/.ssh/id_rsa` - private key
    - `~/.ssh/id_rsa.pub` - public key

SETTING UP SSH KEYS

- First, make sure you don't already have them
  `ls -al ~/.ssh`

- Generate new keys
  `ssh-keygen` -> generates keys

- Add public key to `~/.ssh/authorized_keys`
  file on remote server
  `ssh-copy-id -i ~/.ssh/id_rsa.pub "username@hostname"`

HAVING ISSUES WITH SSH-KEYS? -- COMMON PROBLEMS

- Errors about the authorized keys file:
    - Not existing: make the file with
      ```
      touch ~/.ssh/authorized_keys
      ```
    - Wrong permissions:
        - ```
          chmod 600
          ~/.ssh/authorized_keys
          ```
        - ```
          chmod 700 ~/.ssh
          ```

HAVING ISSUES WITH SSH-KEYS? (CONT.)

- If for some reason you can use `ssh` and `ssh-keygen` but don't have `ssh-copy-id`
  - Move `id_rsa.pub` to remote machine:
    ```
    scp ~/.ssh/id_rsa.pub username@hostname:~
    ```
  - SSH into remote machine and add public key to `authorized_keys`: `ssh username@hostname`
    ```
    cat id_rsa.pub >> .ssh/authorized_keys
    ```