

**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!
- Setting up ssh keys
  1. Check for existing

```
ls -al ~/.ssh
```
  2. Generate new keys

```
ssh-keygen -> generates public and PRIVATE keys
```
  3. Add public key (`id_rsa.pub` by default) to remote server in the file

```
~/.ssh/authorized_keys
```

```
ssh-copy-id -i "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`

# 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`