

SSH

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What does it mean when we say "SSH into your robot"? Say your Orc Pad reports an address of 18.111.0.300. Just type the following at an Server prompt:

```
ssh root@18.111.0.300
```

You'll be prompted for the root password. To set up passwordless login (which you'll need unless you want to type your password every time you do ant upload), do this:

- On the Server, do ssh-keygen -t rsa. When you're prompted for a file name, accept the default. Leave a blank password.
- Copy your public key to the geode like this (use your robots correct IP address): scp ~/ssh/id_rsa.pub root@18.111.0.300:
- SSH to the geode: ssh root@18.111.0.300
- On the geode, make a .ssh directory if it doesn't already exist: mkdir .ssh
- Set restrictive permission on it (SSH requires this): chmod 700 .ssh
- Add your public key to the authorized keys file: cat id_rsa.pub >> .ssh/authorized_keys
- Set restrictive permission on this file, too: chmod 700 .ssh/authorized_keys

Now when you type ssh root@18.111.0.300 on the Server, you should be logged in automatically with no password prompt.

If this doesn't work: on the robot open /etc/ssh/sshd_config and change the line

```
#StrictModes yes
```

to

```
StrictModes no
```

Then type /etc/init.d/sshd restart. Now it should work.

To copy files to your robot, do scp *filename* root@18.111.0.300:/*destination/directory*. If passwordless login is configured, scp will also use it.
