

# SSH

## SSH

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.

---