

PR2 System Administration Practice

1. Plug the basestation directly into the robot service port.
2. Log in to the “pr2admin” account:
pr2admin@basestation\$ ssh pr2admin@c1
3. Create a new user:
pr2admin@c1\$ sudo adduser myuser
4. Create a new admin user:
pr2admin@c1\$ sudo adduser myadmin
pr2admin@c1\$ sudo usermod -a -G admin myadmin
5. Update the robot software:
pr2admin@c1\$ sudo apt-get update
pr2admin@c1\$ sudo apt-get dist-upgrade
6. Format the internal disk on c2:
 - a) Log into c2:
pr2admin@basestation\$ ssh pr2admin@c1
 - b) Format the disk:
pr2admin@c2\$ sudo umount /home
pr2admin@c2\$ sudo formatdisk /dev/sda
pr2admin@c2\$ sudo mount /home
7. Move a user home directory to c2:
pr2admin@c1\$ sudo mv /pr/1/myuser /pr/2/myuser
pr2admin@c1\$ sudo ln -sf /pr/2/myuser /u/myuser
8. Set up the WAP with a new ESSID:
 - a) In firefox on the basestation, go to: 10.68.0.250
 - b) Password: willow
 - c) Basic → Wireless
 - d) Click “Enable Wireless”
 - e) Enter a Wireless Network Name: “UniversityRobotLAN” e.g. “CaltechRobotLAN”
9. Run pr2-systemcheck:
pr2admin@c1\$ sudo pr2-systemcheck
10. Add a file to /etc on c2:
 - a) On c1, edit the file: /etc/testfile:
This is on C1
 - b) On c1, edit the file: /slave/etc/testfile
This is on C2
 - c) Look at the file on c1:
pr2admin@c1\$ less /etc/testfile
 - d) Look at the file on c2:
pr2admin@c2\$ less /etc/testfile
11. Reboot the robot:
pr2admin@c1\$ sudo pr2-shutdown --reboot