

RoboCup: Robot Soccer

The Challenge of the 21st Century

Daniel Polani and Steve Hunt

- a modern Linux version (e.g., but not necessarily Ubuntu 7.04)
 - get installation support from knowledgeable colleagues
 - note possible problems with choice of partition/mounting boot sector
- download RoboCup software from Sourceforge:
 - `rcsserver3d-0.5.6.tar.gz`
 - `rcsserver3d-0.5.6-data.tar.gz`

Installation outline

- start command line
- unzip typing `gunzip <filename>` in command line
- untar with `tar xvf <filename>`
- go into directory
- type

```
./configure --prefix=<prefix path> --enable-kerosin
```
- note: you do not need prefix path, but it gives you more control of where you put the robocup software installation
- note: kerosin module is needed for the humanoids!
- type `make`
- type `make install`
- note: the last step requires `sudo` in Ubuntu or root access in some other way

Required Libraries

- You need:
 - boost
 - ode
 - ruby
 - spades
 - DeVIL
 - SDL
 - and some other libraries which may or may not be preinstalled
- Expect problems!
- check e.g. ycChew's RoboCup website (search by Google), it has some useful hints