## **Table of Contents**

• Motor controller

• Joystick

1. DNS, DHCP, pfSense and Ubuntu
Welcome
Project Willy
• History of Willy
• Project Willy
• Publicity
• Sponsors
Getting started
• Introduction to ROS
Development Guide
Driving Willy
• Manual
• Wiki Manual
Build of Willy
• Design history
• Hardware
Architecture
Software Architecture
• ROS topic design
Raspberry Pi's
Sensor node
Social Interaction node
• Power node
Components
• ROS master
New ROS master on Lubuntu
• Sonar
• Lidar
• Kinect
Localization and navigation

## Lessons learned

- Todo & Advice
- Lessons Learned

## Archive

- Previous Groups
- Research Archive
- Skylab Architecture
- Skylab
- Multi master
- WillyWRT
- Realisation
- Hardware
- Brain
- Design Guild
- Social interaction
- Speech
- Speech recognition
- IMU
- Human Detection
- Radeffect App

## 1. DNS, DHCP, pfSense and Ubuntu

When the Ubuntu systems are configured with static DHCP from pfSense, they get the correct IP adress. But they don't get a external nameserver, so they can't connect to the outside World. Therefore all the Ubuntu systems have an manually added nameserver of 8.8.8.8.