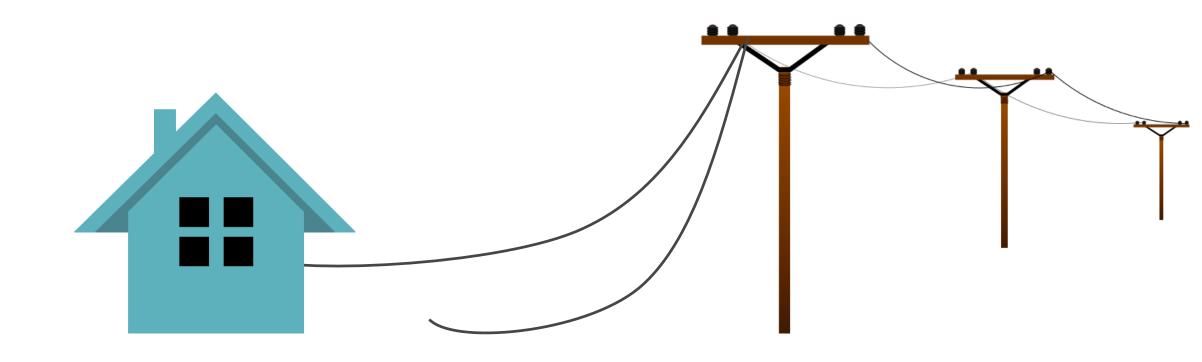
Power Failures and Uninterruptable Power Supplies



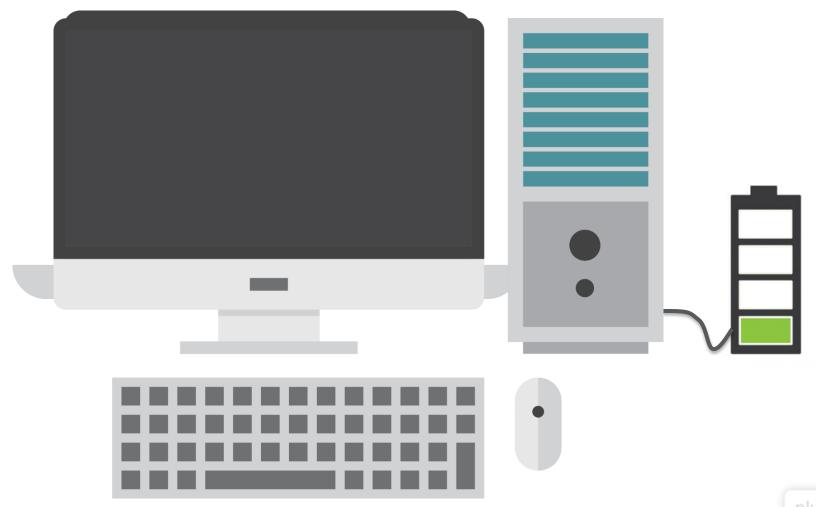
Mel Grubb

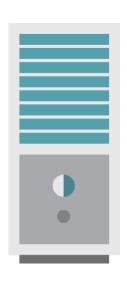
@melgrubb | melgrubb.wordpress.com

Power Failures



Battery Backup





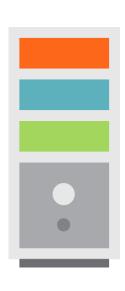


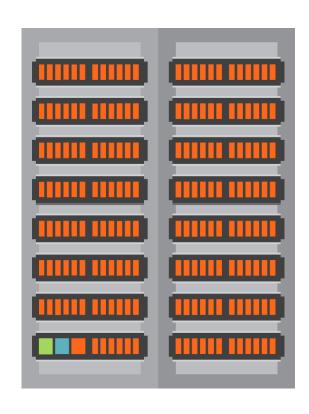


Client

Server

Driver



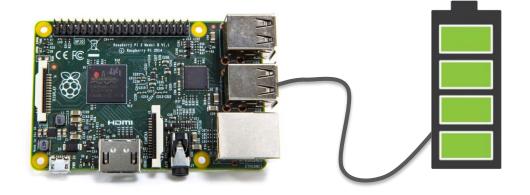






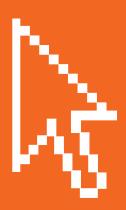
Prerequisites

- Raspberry Pi Home Server
- Uninterruptable Power Supply
- USB cable



Demo: Choosing A UPS

www.networkupstools.org



Demo: Installing NUT

Sudo apt-get install nut

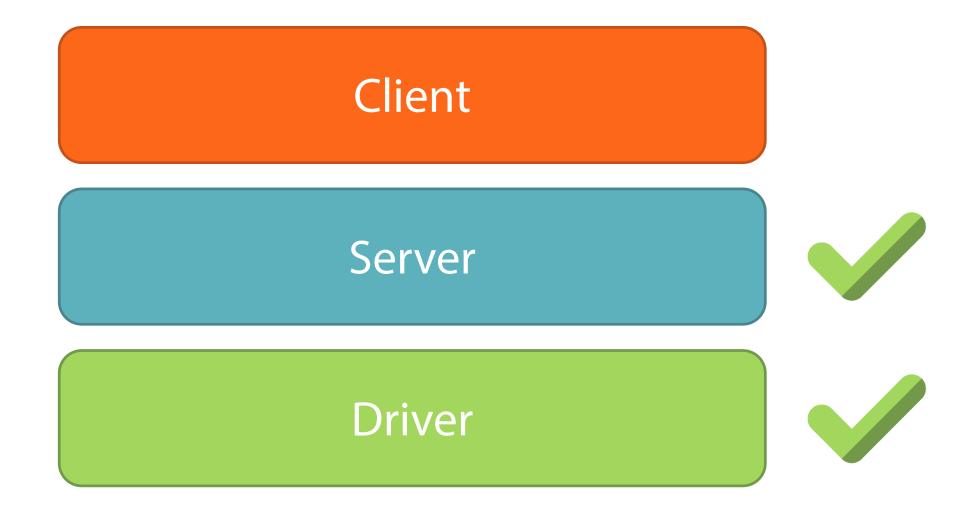


Client Server Driver

Demo: Installing NUT Server Layer

Edit nut.conf



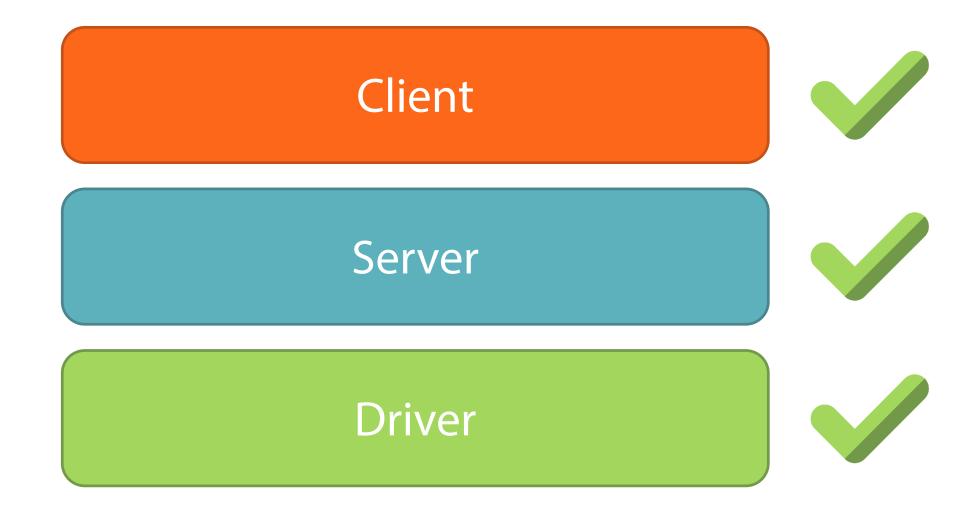


Demo: Installing NUT Server Layer

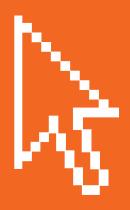
Edit users file

Edit upsmon.conf





Demo: Testing the UPS



Beyond the Basics: Email Notifications



Demo: Email Notifications

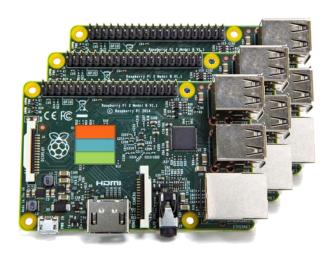
Install SSMTP

Create NUT script

Configure NUT



Beyond the Basics: Multiple Raspberry Pis



Demo: Multiple Raspberry Pis



Summary



- Installed Network UPS Tools (NUT)
- Configured driver, server, and client layers
- Tested power-down behavior
- Added email notifications
- Added a second Raspberry Pi

Make A Backup

Windows Win32DiskImager

Mac / Linux sudo dd if=/dev/diskn of=~/pi.img bs=1m



What's Next?

WordPress