



Conference 2006

The One Hour Server:

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Overview

- Discuss the benefits of using open source software (OSS) on your local network.
- Review basic Unix commands.
- Setup common services using open source software.
 - DNS (BIND)
 - DHCP
 - Web Services (Apache)
 - Mail Services (Postfix)

Why Open Source?

- Free
 - Free as in Beer
 - Free as in Speech
- Transparency
 - Access to the source code allows fixes to the code as quickly as possible
 - Code can be re-written to suit an organization's needs
- Scalable
 - Runs on a wide variety of hardware.

Basic Unix Commands

- Most Unix commands are universal.
- Commands can be joined with a pipe (|) operator to redirect the output of one command into another.
- Service Configuration Guide

DNS (BIND)

- Berkeley Internet Name Domain
 - One of the most basic services on the Internet.
 - Production software for over 20 years.
 - Installed by default on OpenBSD.
- Only two files to work with:
 - `/var/named/etc/named.conf`
 - `/var/named/master/zonefile`

DHCP

- Dynamic Host Configuration Protocol
- Installed on OpenBSD by default
- Central administration means less time configuring individual workstations, thus less footwork.
- One file to work with: `/etc/dhcpd.conf`

WWW (Apache)

- #1 Webserver Software on the Internet
 - Installed on 71% of the running web servers on the Internet.
 - Microsoft IIS = 20.24%
- Installed by default on OpenBSD
- One configuration file: `/var/www/conf/httpd.conf`

Postfix

- MTA (Mail Transfer Agent)
- Full featured Sendmail-compatible replacement.
- Secure MTA
 - Closed to relaying by default
 - Can be run chrooted for increased security
- One file: /etc/postfix/main.cf

Questions?

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