

Week 6

Beginning System Administration DeCal

Recap

- Server Daemons
 - Provide some sort of service
 - Different ways to install
 - A small taste:
 - Apache
- Acquiring software
 - Package manager
 - Compile from source
 - Download binaries

Recap (cont.)

- Installing software
 - Compiling
 - Apache
 - Package Manager
 - Apache
 - Ganglia
 - Other utilities (barebones install)

Server Daemons

- Internet servers
 - Websites
 - Apache
 - lighttpd
 - Microsoft IIS
 - ...and so on
 - SSH
 - Email
 - Databases

Preface to LAMP

- Operating system
- User-server interaction
- Data storage
- Programming “glue”

LAMP Model

- Linux
- Apache
- MySQL
 - Database
 - <http://www.cs.unc.edu/Courses/wwwp-s98/me>
- PHP
 - Or Perl, or Python
 - Programming language

LAMP Model

- It's just that: a model
 - Substitution

Assembling the Components

- The customer
- Personal preferences and experience
 - e.g., emacs vs. vim (vs. ed)
- Popularity and support
- Speed and efficiency