

# Illuminating LAMP

## An Overview Using Fedora 8

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# Illuminating LAMP

- L – Linux (Fedora 8)
- A – Apache web server
- M – MySQL database server
- P – PHP | Perl | Python



# Illuminating LAMP Benefits

- Open source – Large development community means that bug fixes and new features are essentially guaranteed.
- Free – Software licensing costs really hurt small businesses and independent developers who need to deploy multiple machines and configurations, whereas LAMP is free.
- Stable – Tools are at the stage now where they are very dependable and are being used by larger corporations.
- Portable – The “AMP” part can run on just about any operating system including Windows.

# Demonstration Overview

- VM1 – Install Fedora 8
  - Default packages
  - Create separate OS and DATA partitions
  - Set account login password
- VM2 – Configure Fedora 8
  - Install MySQL
  - Install Apache HTTPD with MySQL support and PHP
  - Configure MySQL
  - Configure Apache for HTTP:// and HTTPS://
  - Configure iptables firewall
  - Configure Fedora 8 startup scripts

# Get Fedora 8

- <http://fedoraproject.org/>



BitTorrent	Direct Download
▪ <a href="#">i386</a> - Install DVD	▪ <a href="#">i386</a> - Install DVD
▪ <a href="#">x86_64</a> - Install DVD	▪ <a href="#">x86_64</a> - Install DVD
▪ <a href="#">ppc</a> - Install DVD	▪ <a href="#">ppc</a> - Install DVD

- Create DVD by downloading the i386 Install DVD and burning the .ISO image to the DVD (must choose the proper option for burning disk images)

# Install Fedora 8

- Install works much like Windows install, but you have a lot more options that you can configure
  - Place disk in DVD drive
  - Reboot computer
  - Follow prompts
- INSTALL PPT contains screen shots of the entire process from booting from the DVD through logging in for the first time.



# Configure Fedora 8

- BASICCONF PPT is screen shots for the demonstration of doing a basic configuration of the following services on Fedora 8:
  - Apache httpd (web server) with PHP/MySQL/SSL
  - MySQL (database)
  - iptables (firewall)

Questions?

# Image Credits

- <http://img.villagephotos.com/p/2007-6/1264386/tux.jpg>
- <http://theora.com/images/MySQL.jpg>
- <http://pollycoke.files.wordpress.com/2007/06/fedora-logo.png>
- <http://httpd.apache.org/>
- <http://www.php.net/>
- <http://www.comparestoreprices.co.uk/images/unbranded/p/unbranded-pico-desk-lamp-graphite.jpg>

