

COMP2241

Web Server Administration

LAB MANUL
Book: Sams Teach Yourself PHP, MySQL and Apache All in One, 5th Edition
₩ Week2
Chapters: 3
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₹ External Sources:
http://en.wikipedia.org/wiki/Wget
http://wiki.vpslink.com/Linux Command Reference: apt-get (Debian, Ubuntu)
• http://www.thegeekstuff.com/2010/04/unix-tar-command-examples/
http://www.codecoffee.com/tipsforlinux/articles/27.html

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Configure Ubuntu Serve

− wget apt-get ♂ configure, make and make install [7] tar 🛂

A. Preparation

- sudo su (when promoted enter root password)
- apt-get update (update software on your Ubuntu instance)
- apt-get install build-essential (install build tools c/c++ using gcc)

B. Download Apache source file

Section 1 (download an extract apache file)

- cd /usr/local/lib (directory to download required files to build Apache)
- wget http://lib.gblearn.com/apache/httpd-2.4.10.tar.gz (download file)
- tar xvfz httpd-2.4.10.tar.gz (Unpack the compressed file)

Section 2 (download APR to build Apache)

- cd /usr/local/lib/httpd-2.4.10/srclib/
- wget http://lib.gblearn.com/apache/apr/apr-1.5.1.tar.gz
- tar xvfz apr-1.5.1.tar.gz (Unpack the compressed file)

Section 3 (download APR-UTIL to build Apache)

- cd /usr/local/lib/httpd-2.4.10/srclib/
- wget http://lib.gblearn.com/apache/apr/apr-util-1.5.3.tar.gz
- tar xvfz apr-util-1.5.3.tar.gz (Unpack the compressed file)

Section 4 (download PCRE to build Apache)

- cd /usr/local/lib/httpd-2.4.10/srclib/
- wget http://lib.gblearn.com/apache/pcre/pcre-8.34.tar.gz
- tar xvfz pcre-8.34.tar.gz (Unpack the compressed file)

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C. Install dependencies

Install APR

- cd /usr/local/lib/httpd-2.4.10/srclib/apr-1.5.1/
- ./configure
- make
- make install

Install APR-UTIL

- cd /usr/local/lib/httpd-2.4.10/srclib/apr-util-1.5.3/
- ./configure --with-apr=/usr/local/apr/bin/apr-1-config
- make
- make install

Install PCRE

- cd /usr/local/lib/httpd-2.4.10/srclib/pcre-8.34/
- ./configure --prefix=/usr/local/pcre
- make
- make install

D. Install and Test Apache

Section 1(configuration, make and install)

- cd /usr/local/lib/httpd-2.4.10/
- ./configure --prefix=/usr/local/apache2 -with-pcre=/usr/local/pcre -enable-so
- make
- make install

Section 2(start http server)

- /usr/local/apache2/bin/apachectl start
- /usr/local/apache2/bin/apachectl restart
- /usr/local/apache2/bin/apachectl stop
- /usr/local/apache2/bin/apachectl start

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Section 3(Test HTTP local server - VMWare)

ifconfig

- (open your browser and type the IP address)



It works!

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