Web Server Installation and Configuration of PHP

The following slides show the installation and configuration to add PHP scripting to apache2 web server.
Install the php package

root@www:/# apt-get install libapache2-mod-php5
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following extra packages will be installed:
  php5-common
Suggested packages:
  php-pear php5-suhosin
The following NEW packages will be installed:
  libapache2-mod-php5 php5-common
0 upgraded, 2 newly installed, 0 to remove and 0 not upgraded.
Need to get 3,541kB of archives.
After this operation, 9,548kB of additional disk space will be used.
Do you want to continue [Y/n]?
Package installation complete

File Edit View Search Terminal Help
0 upgraded, 2 newly installed, 0 to remove and 12 not upgraded.
Need to get 3,542kB of archives.
After this operation, 9,544kB of additional disk space will be used.
Do you want to continue [Y/n]?
Get:1 http://mirror.cs.dixie.edu/ubuntu/ lucid-updates/main php5-common 5.3.2-1ubuntu4.10 [552kB]
Get:2 http://mirror.cs.dixie.edu/ubuntu/ lucid-updates/main libapache2-mod-php5 5.3.2-1ubuntu4.10 [2,990kB]
Fetched 3,542kB in 0s (15.9MB/s)
Selecting previously deselected package php5-common.
(Reading database ... 41146 files and directories currently installed.)
Unpacking php5-common (from .../php5-common 5.3.2-1ubuntu4.10 amd64.deb) ...
Selecting previously deselected package libapache2-mod-php5.
Unpacking libapache2-mod-php5 (from .../libapache2-mod-php5 5.3.2-1ubuntu4.10 amd64.deb) ...
Setting up php5-common (5.3.2-1ubuntu4.10) ...
Setting up libapache2-mod-php5 (5.3.2-1ubuntu4.10) ...
Creating config file /etc/php5/apache2/php.ini with new version
* Reloading web server config apache2
[ OK ]

root@www:/#
Restart apache to load the module

root@www:/# /etc/init.d/apache2 restart
  * Restarting web server apache2
    ... waiting
root@www:/# [ OK ]
Create some PHP content

```php
root@www:~# cat /var/www/jane.dsctux.net/jane.php
The time is now "<?php echo date('l jS \of F Y h:i:s A'); ?>.".

root@www:~# cat /var/www/tarzan.dsctux.net/tarzan.php
<?php $x = rand(1,6); $y = rand(1,6); ?>
You rolled a "<?php echo $x; ?>" and a "<?php echo $y; ?>.".

root@www:~# cat /var/www/korak.dsctux.net/korak.php
<?php phpinfo(); ?>
root@www:~# cat /var/www/jane.dsctux.net/index.html
HELLO FROM JANE PORTER.

<a href="jane.php">What time is it there?</a>
root@www:~# cat /var/www/tarzan.dsctux.net/index.html
Tarzan, Lord Greystoke

<a href="tarzan.php">Do you feel lucky?</a>
root@www:~# cat /var/www/korak.dsctux.net/index.html
Son of Tarzan, Jack. AKA Korak the Killer

<a href="korak.php">Do you want some information?</a>
root@www:~# 
```
Check the scripts

The time is now Wednesday 26th of October 2011 08:04:35 PM.
Check the scripts

You rolled a 4 and a 1.
Check the scripts

**PHP Version 5.3.2-1ubuntu4.10**

<table>
<thead>
<tr>
<th>System</th>
<th>Linux www 2.6.32-34-generic #77-Ubuntu SMP Tue Sep 13 19:39:17 UTC 2011 x86_64</th>
</tr>
</thead>
<tbody>
<tr>
<td>Build Date</td>
<td>Oct 14 2011 23:49:44</td>
</tr>
<tr>
<td>Server API</td>
<td>Apache 2.0 Handler</td>
</tr>
<tr>
<td>Virtual Directory Support</td>
<td>disabled</td>
</tr>
<tr>
<td>Configuration File (php.ini) Path</td>
<td>/etc/php5/apache2</td>
</tr>
<tr>
<td>Loaded Configuration File</td>
<td>/etc/php5/apache2/php.ini</td>
</tr>
<tr>
<td>Scan this dir for additional .ini files</td>
<td>/etc/php5/apache2/conf.d</td>
</tr>
<tr>
<td>Additional .ini files parsed</td>
<td>/etc/php5/apache2/conf.d/pdo.ini</td>
</tr>
<tr>
<td>PHP API</td>
<td>20090626</td>
</tr>
<tr>
<td>PHP Extension</td>
<td>20090626</td>
</tr>
<tr>
<td>Zend Extension</td>
<td>220090626</td>
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<tr>
<td>Zend Extension Build</td>
<td>API220090626,NTS</td>
</tr>
<tr>
<td>PHP Extension Build</td>
<td>API20090626,NTS</td>
</tr>
</tbody>
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