

Drupal Pilipinas

Drupal Apprentice Training First Batch 2013

Microsoft HQ

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Philippine Drupal Apprentice Phase II

Agenda:

1. Basic MySQL administration
2. Basic Apache administration
3. Basic PHP configuration
4. Basic CSS
5. Vagrant/LAMPP

Basic MySQL Administration

- **Creating empty database :**

Option 1: `$ mysqladmin -u[username] -p[passwd] create [dbname]`

Option 2: `$ mysql -u[username] -p'[passwd]' -e 'create database tests'`

Option 3: `$ mysql -u[root] -p[passwd]`

`> create database [dbname];`

- **Listing all databases :**

Option 1: `$ mysql -u[root] -p[passwd]`

`> show databases;`

Option 2: `$ mysql -u root -p'password' -e 'show databases;'`

- **Using/Selecting a database :**

`$ mysql -u[root] -p[passwd]`

`> use [dbname];`

Basic MySQL Administration

- **Dropping/Deleting a database :**

```
$ mysql -u[root] -p[passwd]
```

```
> drop database [dbname];
```

- **Finding active database :**

```
$ mysql -u[root] -p[passwd]
```

```
> select database();
```

- **Backup/Export :**

```
Option 1: $ mysqldump -u[username] -p[passwd] [dbname] > [backupfile.sql]
```

```
Option 2: $ mysqldump -u[username] -p[passwd] [dbname] | gzip -9 > [backupfile.sql.gz]
```

- **Restore/Import :**

```
Option 1: $ mysql -u[username] -p[passwd] [dbname] < /path/to/source/mydb.sql
```

```
Option 2: $ mysql -u[username] -p[passwd]
```

```
> source /path/to/source/mydb.sql OR
```

```
> \. /path/to/source/mydb.sql
```

Basic MySQL Administration

- **Extracting compress SQL file :**

`$ gunzip [backupfile.sql.gz] or gzip -d backup.sql.gz`

- **Changing user password :**

Option 1: `$ mysqladmin -uroot -p'currentpass' password newpass`

Option 2: `$ mysql -u[root] -p[passwd]`

`> use mysql;`

`> UPDATE user SET password=PASSWORD("newpass") WHERE`

`User='[username]';`

`> flush privileges;`

- **Generating password hash :**

`$ mysql -u[root] -p[passwd]`

`> select md5('mypass');`

Basic Apache Administration

- In Ubuntu the Apache2 configuration is in **/etc/apache2/apache2.conf**
- In other distro they called it **httpd.conf**
- Virtualhost Directories :
 1. **/etc/apache2/sites-available** – vhost file container
 2. **/etc/apache2/sites-enabled** – enabled vhost file container
- Use **a2ensite** to enable vhost file
- Use **a2dissite** to disable the enabled vhost file
- Apache Modules Directories :
 1. **/etc/apache2/mods-available** - Apache module container
 2. **/etc/apache2/mods-enabled** – Apache enabled module container
- Use **a2enmod** to enable Apache module
- Use **a2dismod** to disable Apache module

Basic Apache Administration

- **Starting Apache service :**

Option 1: `$ sudo service apache2 start`

Option 2: `$ sudo /etc/init.d/apache2 start`

- **Stopping Apache service :**

Option 1: `$ sudo service apache2 stop`

Option 2: `$ sudo /etc/init.d/apache2 stop`

- **Restarting Apache service :**

Option 1: `$ sudo service apache2 restart`

Option 2: `$ sudo /etc/init.d/apache2 restart`

- **Reloading Apache configuration :**

Option 1: `$ sudo service apache2 reload`

Option 2: `$ sudo /etc/init.d/apache2 reload`

Basic Apache Administration

- Apache log directory is in `/var/log/apache2/`
 1. access.log
 2. error.log
- You can use **tail** to view the latest log

```
$ sudo tail -f /var/log/apache2/access.log
```

 - output appended data as the file grows

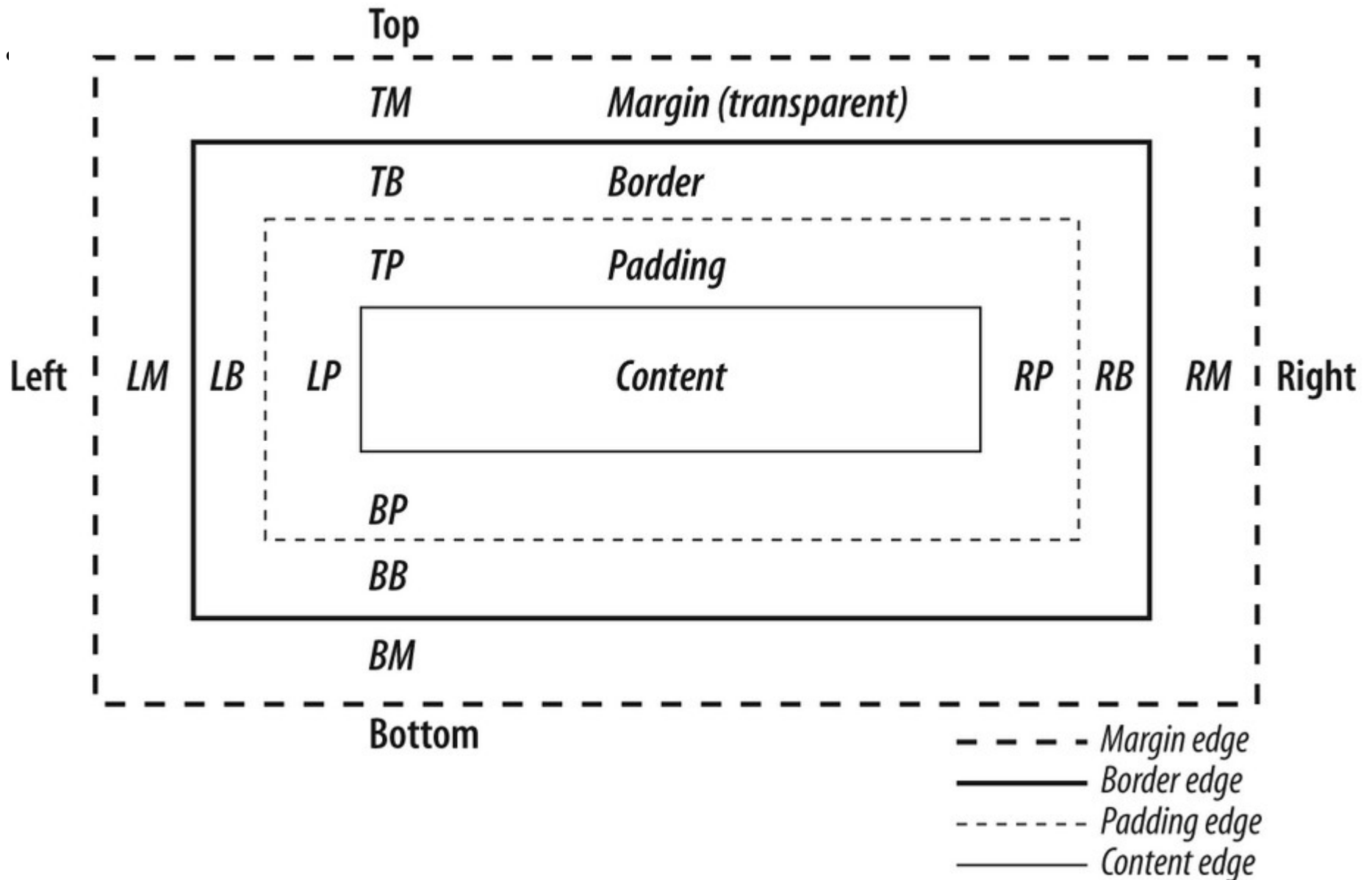
```
$ sudo tail -n [number] /var/log/apache2/access.log
```

 - output the last K lines, instead of the last 10
- Setting up different ports

Basic PHP Administration

- PHP configuration is located in `/etc/php5/apache2/php.ini`
- Tweaking PHP configuration
 1. Error Handling
 2. File Handling
- Viewing PHP information

Basic CSS



Basic CSS

- CSS structure

```
.ninja {  
  visibility: hidden;  
  color: black;  
}
```

- CSS Selectors
- CSS Positioning
- Browser Tools

Vagrant

- Adding new box
- Initialization
- Booting your Vagrant