

Installation Guide

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1. Web Server Installation Guide

1) Server Specification

Name	Spec
OS	Ubuntu 14.04
Server CPU	1vCore
Server RAM	1G RAM
APM version	Apache : version 2.4 Mysql : version 5.5 PHP : version 5

2) APM setting

(1) This guide skip install APM. We suppose already installed APM in your PC. After that our website source codes move to /home/<ACCOUNT>/htdocs/

(2) We need to enable Apahce's rewrite module. So enter following commend in commend line.

```
sudo a2enmod rewrite
```

(3) Now, we link both Domain and apache.ini Virtual Host

First open 000-default.conf in /etc/apache2/sites-enabled

```
[elephant@ip-172-31-27-142]:/etc/apache2/sites-enabled$ ll
total 8
drwxr-xr-x 2 root root 4096 Nov 10 07:50 ./
drwxr-xr-x 8 root root 4096 Sep 19 13:42 ../
lrwxrwxrwx 1 root root   35 Sep 19 02:13 000-default.conf -> ../sites-available/000-default.conf
[elephant@ip-172-31-27-142]:/etc/apache2/sites-enabled$ sudo vim 000-default.conf
```

Second setup VirtualHost setting like this. Domain name needed. To Any Domain Products Distributor, for example 가비아, 닷네임코리아, 호스팅 kr etc... Then set A Record your sub domain and server ip address.

```
6 <VirtualHost *:80>
7   ServerName admin.huy.kr
8   ServerAlias admin.huy.kr
9   DocumentRoot /home/elephant/project/admin
10 </VirtualHost>
11 <VirtualHost *:80>
12   ServerName client.huy.kr
13   ServerAlias client.huy.kr
14   DocumentRoot /home/elephant/project/client
15 </VirtualHost>
16 <VirtualHost *:80>
17   ServerName user.huy.kr
18   ServerAlias user.huy.kr
19   DocumentRoot /home/elephant/project/user
20 </VirtualHost>
```

Third restart apache server. Enter following Code in your command line

```
sudo service apache2 restart
```

- (4) Now we setup data folder for saving images. Give 'w' permission for any user. Enter following code

```
chmod 777 data
```

- (5) Then symbolic link data to admin, client, user folders. Enter following code

```
ln -s data admin/data
```

```
ln -s data client/data
```

```
ln -s data user/data
```

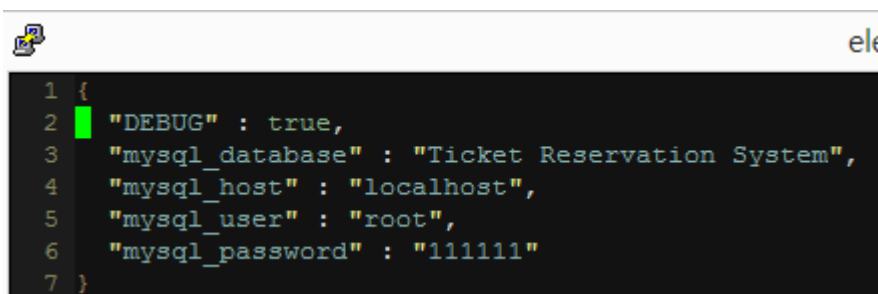
- (6) Make database 'Ticket Reservation System' in your mysql. Must charater setting to 'utf8_general_ci'.

```
CREATE DATABASE `Ticket Reservation System` CHARACTER SET utf8 COLLATE  
utf8_general_ci;
```

(7) Recover database by 'Ticket_Reservation_System.sql'. Enter following command.

```
mysql -u root -p 'Ticket Reservation System' < Ticket_Reservation_System.sql
```

(8) Finally we need to setup connecting mysql with php. So open admin/.env, client/.env, user/.env then modify mysql configuration information.



```
1 {  
2   "DEBUG" : true,  
3   "mysql_database" : "Ticket Reservation System",  
4   "mysql_host" : "localhost",  
5   "mysql_user" : "root",  
6   "mysql_password" : "111111"  
7 }
```

2. Android Installation Guide

1) Sepcification

Name	Spec
Tool	Android Studio 1.3.2
JRE	1.8.0_60-b27 amd64
Test Device	Device : Galaxy note 5 OS : 5.1.1

2) Android Studio Download in

<http://developer.android.com/intl/ko/sdk/index.html>

3) Setup Google Cloud messaging guide & Sign in guide

<https://developers.google.com/cloud-messaging/android/start>

<https://developers.google.com/+ /mobile/android/getting-started>

- 4) Modify server_client_id in strings.xml file

```
<!-- TODO(user): replace with your real server client ID -->
<!-- Server Client ID. This should be a valid Web OAuth 2.0 Client ID obtained
    from https://console.developers.google.com/ -->
<string name="server_client_id">660235002757-8cp91d5thj8ih64te4165cf9igv752n1.apps.googleusercontent.com</string>
</resources>
```

- 5) Finally replace PREFIX API string URL to your domain in ApiUrls.java

