OPENRAY TECHNICAL BRIEF

1. SERVER
2. **Install Ubuntu 10.04 (Server) LTS x64 Bit**

http://www.ubuntu.com/download/server/download

1. **We require to install the following Components**
   1. **Apache 2.2**

sudo apt-get update  
sudo apt-get install apache2

Test Apache server by going to the IP address (http:// 202.158.217.96) of the server on a browser

* 1. **MySQL**

sudo apt-get install mysql-server libapache2-mod-auth-mysql php5-mysql

**Activate MySQL**  
sudo mysql\_install\_db  
  
**MySQL Setup Script**  
sudo /usr/bin/mysql\_secure\_installation  
  
Set root password for MySQL Database login. Keep a note of this password as it is required to access the database.

* 1. **PHP**

sudo apt-get install php5 libapache2-mod-php5 php5-mcrypt

**Test PHP by creating a test php file and running it.**

sudo nano /var/www/info.php

<?php

phpinfo();

?>

Save this file and run it in the browser 202.158.217.96/info.php

* 1. **PHPMYADMIN**

sudo apt-get install phpmyadmin

**Restart Apache Service**sudo service apache2 restart

**Login to PHPMYADMIN from the browser by going to this url** ServerIPAddress/phpmyadmin

Login using MYSQL credentials

\* Server IP Address can also be the domain name. In that case, the url will be domainname/phpmyadmin

1. IMPORTING OPENRAY
2. **Untar the .tar file**

sudo tar -xvf nameoftarfile.tar --group=root --owner=root

1. **Import the MYSQL Database**

mysql -u databaseusername -pdatabasepassword databasename> nameofsqlfile.sql

mysql -u root –p OPENWAY < /var/www/openray20130201.mysql

1. **A small Mod Rewrite is required in order for symlinks to work.**

sudo a2enmod rewrite  
  
sudo vi /etc/apache2/site-available/default

* 1. **Make the following changes to the default file**  
             DocumentRoot /var/www  
             <Directory />  
                     Options FollowSymLinks  
                     AllowOverride None  
             </Directory>  
       
     -To  
             DocumentRoot /var/www  
             <Directory />  
                     Options FollowSymLinks  
                     AllowOverride ALL  
             </Directory>
  2. **Restart Apache Service**sudo /etc/init.d/apache2 restart

1. INSTALL SVN

sudo apt-get install subversion libapache2-svn

1. **Create the SVN directory**

sudo svnadmin create /var/www/drupal/openray

1. **Edit dav\_svn.conf and Make the following changes to enable the Repository**

sudo gedit /etc/apache2/mods-enabled/dav\_svn.conf

Uncomment <Location /svn>

# Uncomment this to enable the repository,

DAV svn

# Set this to the path to your repository

SVNPath /svn

Uncomment <Location /svn>

1. **Restart Apache Server**

sudo /etc/init.d/apache2 restart

1. WEB FOLDER PERMISSIONS AND SITE CONFIGURATION
2. **Set Folder Permissions**

sudo chmod –R 755 drupal

sudo chgrp –R www-data drupal

sudo chown –R www-data drupal

1. **OPENRAY WEBSITE CONFIGRUATION**
2. **Configure Drupal settings.php file**

sudo vi /var/www/drupal/sites/default/settings.php

Ensure the Database Settings are correct

$db\_url = 'mysqli://databaseusername:databasepassword@localhost/databasename';

Ensure the Base URL is correct

$base\_url = 'http://domain name/drupal';

1. **PHP Memory Limit**

sudo vi /etc/php5/apache2/php.ini

memory\_limit = 512M

1. **SYMLINK**

Ensure that the symlink is pointing to the correct directory

Symlink name – drupal

Symlink folder - /var/www/drupal

Symlink reference - /var/www/drupal

To create a Symlink

First go to /var/www/drupal Folder

Then run the following command to create the symlink

ln -s /var/www/drupal/ drupal

1. **SVN Configuration**

Ensure that the following settings are correct in the **ISAWEB/CONF/ISAWEB-CONF.INC.PHP FILE**

./isaweb/conf/isaweb-conf.inc.php:define ('SVN\_ROOT\_DIR', '/var/www/drupal/openray');

./isaweb/conf/isaweb-conf.inc.php:define('WEB\_ROOT\_DIR', '/data/openray');

./isaweb/conf/isaweb-conf.inc.php:define('WEB\_MAP\_FILEPATH', '/var/www/openray/web\_directories.map');