

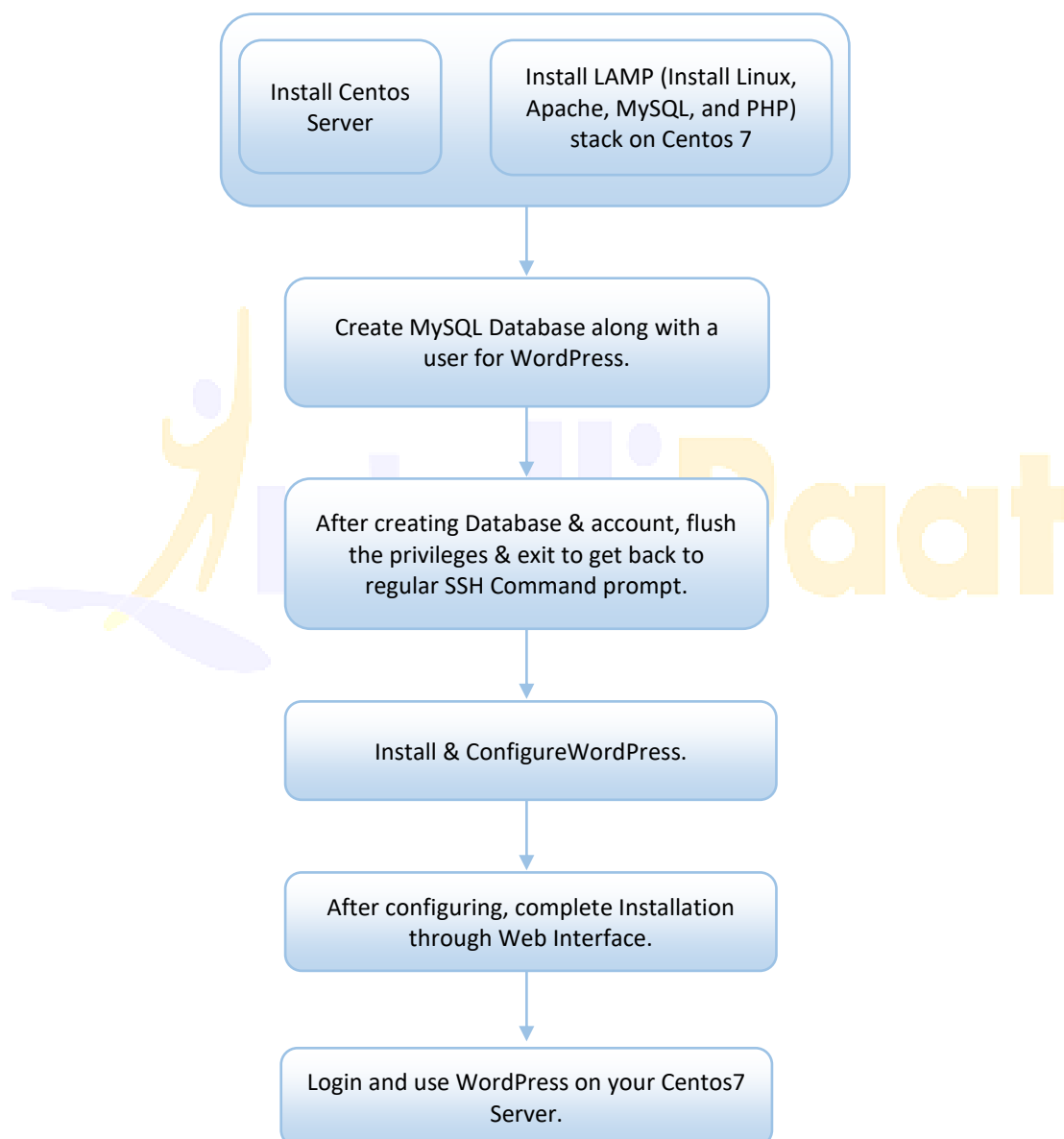
Capstone Project

Project Name: Install WordPress on Centos7

Domain: Open Source Website

Description: WordPress is an online, open source website creation tool written in PHP. But in non-geek speak, it's probably the easiest and most powerful blogging and website content management system (or CMS) in existence today. In this project, set up an instance for WordPress with an Apache Web Server on Centos 7, which installs WordPress on your Centos.

Project Entity:



Example Data: Enter the following data for your WordPress Database.

First Name	Last Name	Email ID	Interests/Hobbies
Sammantha	Cerny	sammy.nagios@gmail.com	Photography
John	Marcus	Marcus.cello@gmail.com	Music, Blogs
Jack	Arthur	Jack.arthur71@gmail.com	Trekking, Singing
Jade	Smith	Jade.smith6898@gmail.com	Music, Cuisine

Problem Statement:

1. First, you need a CentOS 7 server installed and configured with a non-root user that has `sudo` privileges.
2. Install the LAMP Stack on your Centos7.
3. Create a MySQL Database for your WordPress, name it anything.

Next, you can proceed as following:

1. After creating your account on WordPress (with Database), then flush it using Flush Privileges and Install a PHP Module, without this module WordPress will not be able to resize images to create thumbnails. We can get that package directly from CentOS's default repositories using `yum` and also we will install and update the WordPress for the latest Template & Formats, we have to use these following commands to keep it updated:

```
sudo yum install php-gd
sudo service httpd restart
cd ~wgethttp://wordpress.org/latest.tar.gz
tar xzvf latest.tar.gz
sudorsync -avP ~/wordpress/ /var/www/html/
mkdir /var/www/html/wp-content/uploads
sudo chown -R apache:apache /var/www/html/*
```

2. Then configure your WordPress by using root directories
3. Complete your WordPress Installation using the Web Interface by navigating to your servers domain name and public IP address and continue Login


`http://server_domain_name_or_IP`

Hint:

1. For Initializing server setup on centos 7 try a root login connecting with SSH Key Pair and Add a public key authentication, install the key manually and then configure the SSH Deamon and Reload your SSH then make your server running.
2. Next, for installing LAMP on your Centos7 you first need to install Apache easily using CentOS's package manager, yum. A package manager allows us to install most software pain-free from a repository maintained by CentOS.

```
sudo yum install httpd
```

- http://your server IP address/info.php

PHP Version 5.4.16		
System	Linux lamp-c7 3.10.0-123.el7.x86_64 #1 SMP Mon Jun 30 12:09:22 UTC 2014 x86_64	
Build Date	[REDACTED]	
Server API	Apache 2.0 Handler	
Virtual Directory Support	disabled	
Configuration File (php.ini) Path	/etc	
Loaded Configuration File	/etc/php.ini	
Scan this dir for additional .ini files	/etc/php.d	
Additional .ini files parsed	[REDACTED] .ini, /etc/php.d/zzz.conf; /etc/php.d/zzz.conf; /etc/php.d/zzz.conf	
PHP API	[REDACTED]	
PHP Extension	[REDACTED]	
Zend Extension	[REDACTED]	
Zend Extension Build	[REDACTED]S	
PHP Extension Build	[REDACTED]	

```
sudo rm /var/www/html/info.php
```