

## Lab Guide for cloud deep dive

### CONTENTS

#### Day-8 Assignments

#### Contents

Lab Guide for Introduction to Cloud Computing .....	1
CONTENTS .....	1
Assignment 1: launch a WordPress blogging site.....	2
Objective: To Deploy a WordPress blog using GCP Marketplace .....	2

#### Context

This document contains assignments to be completed as part of the hands on session for the course

#### Guidelines

- The lab guide has been designed to give hands on experience to map the concepts learnt in the theory session with real life business oriented case studies/assignments.

## Assignment 1: launch a WordPress blogging site

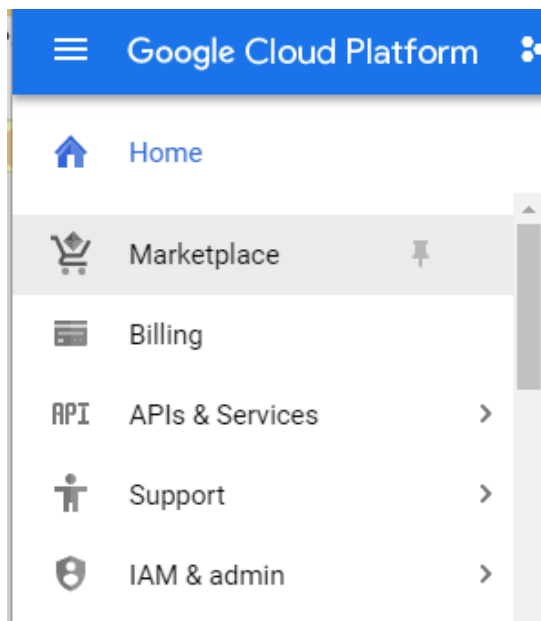
Objective: To Deploy a WordPress blog using GCP Marketplace

### Solution:

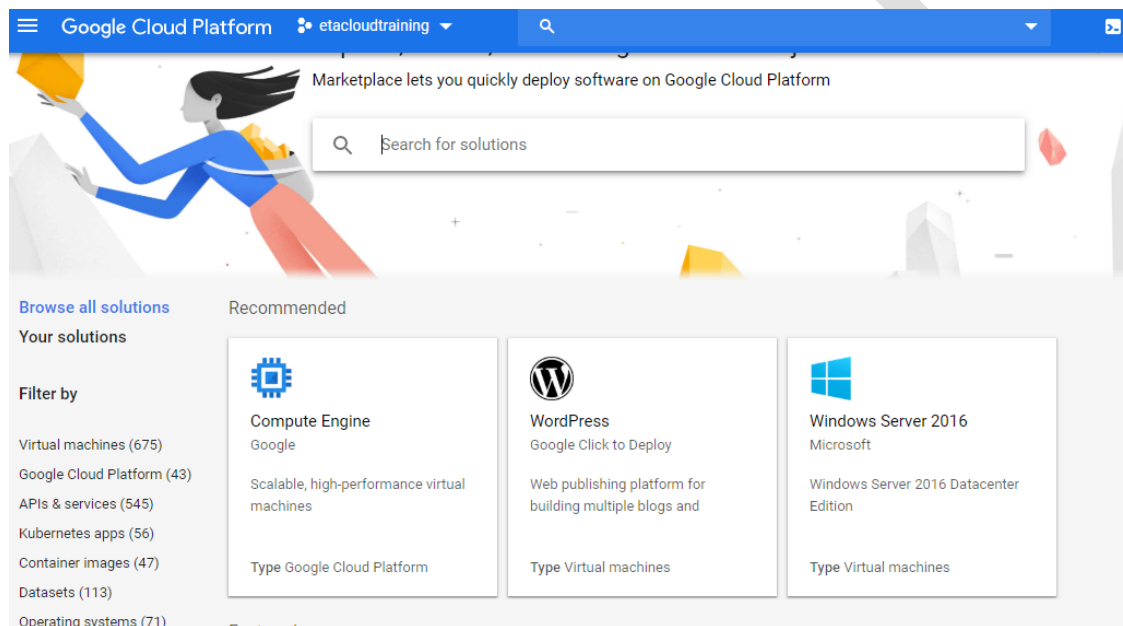
**Step 1:** Select project and enable billing for the same

**Step 2:** Connect to your console platform <https://console.cloud.google.com>


**Step 3:** Click on the Navigation menu and choose Marketplace



**Step 4: Click on WordPress**



**Step 5: Click Launch on Compute Engine**



**WordPress**  
[WordPress \(Google Click to Deploy\)](#)  
 Estimated costs: \$24.75/month | 100+ recent deployments  
 Web publishing platform for building multiple blogs and websites  
[LAUNCH ON COMPUTE ENGINE](#)

**Step 6:** *Configure WordPress installation by providing the email address to be used for creating admin account in WordPress and leaving all other values to default*

## ← New WordPress deployment

Deployment name

wordpress-1

Zone ?

us-central1-f

Machine type ?

1 vCPU

3.75 GB memory

[Customize](#)



### WordPress overview

Solution provided by Google Click to Deploy

\$24.75 per month estimated

Effective hourly rate \$0.034 (730 hours per month)

[Details](#)

[Software](#)

### ☒ Install phpMyAdmin

phpMyAdmin is an open source tool to administer MySQL databases with the use of a web browser.

### Boot Disk

Boot disk type ?

Standard Persistent Disk

Boot disk size in GB ?

10

default ▼

Subnetwork ?

default (10.128.0.0/20) ▼

External IP ?

Ephemeral ▼

Firewall ?

Add tags and firewall rules to allow specific network traffic from the Internet

☒ Allow HTTP traffic from the Internet

Source IP ranges for HTTP traffic ?

0.0.0.0/0, 192.169.0.2/24

☒ Allow HTTPS traffic from the Internet

Source IP ranges for HTTPS traffic ?

0.0.0.0/0, 192.169.0.2/24

## Stackdriver

Monitoring and management for services, containers, applications, and infrastructure

☐ Enable Stackdriver Logging ?

☐ Enable Stackdriver Monitoring ?

Deploy

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Google  
ongoing

**Step 7:** Click on Deploy

**Step 8:** Deployment will be in progress for a couple of minutes and will successful

The screenshot shows the Google Cloud Deployment Manager interface. The left sidebar has 'Deployments' selected. The main area shows the deployment 'wordpress-1' is being deployed. Below this, a tree view shows the deployment structure:

- Overview - wordpress-1
  - wordpress wordpress.jinja
    - wordpress-vm-tmpl vm\_instance.py
      - wordpress-1-vm vm instance
      - generated-password-0 password.py
      - generated-password-1 password.py
      - generated-password-2 password.py
    - software-status software\_status.py
      - wordpress-1-config config
      - wordpress-1-software config waiter
    - wordpress-1-tcp-80 firewall
    - wordpress-1-tcp-443 firewall


On the right, the 'wordpress' software is detailed with the following configuration:

Property	Value
Site address	Pending
Admin URL	Pending
WordPress MySQL user	wordpress
WordPress MySQL password (Temporary)	Pending
MySQL root user	root
MySQL root password (Temporary)	Pending
WordPress Admin user	Pending
WordPress Admin password (Temporary)	Pending
Instance	Pending
Instance zone	Pending
Instance machine type	Pending

A link 'More about the software' is visible at the bottom right.



The screenshot shows the Google Cloud Deployment Manager interface after the deployment is complete. The main area displays a green checkmark and the message: 'wordpress-1 has been deployed'.


ess blog site with details



## WordPress

Solution provided by Google Click to Deploy


Site address	<a href="http://34.68.243.38/">http://34.68.243.38/</a> 
Admin URL	<a href="http://34.68.243.38/wp-admin">http://34.68.243.38/wp-admin</a> 
WordPress MySQL user	wordpress
WordPress MySQL password (Temporary)	uRYyx07o
MySQL root user	root
MySQL root password (Temporary)	XsdVDMZTNJF2u3
WordPress Admin user	<input type="text" value=""/> @gmail.com
WordPress Admin password (Temporary)	<input type="text" value="g7Qo+wdB"/>
Instance	<a href="#">wordpress-1-vm</a>
Instance zone	us-central1-f
Instance machine type	n1-standard-1

 [More about the software](#)

### Get started with WordPress

[Log into the admin panel](#)

SSH



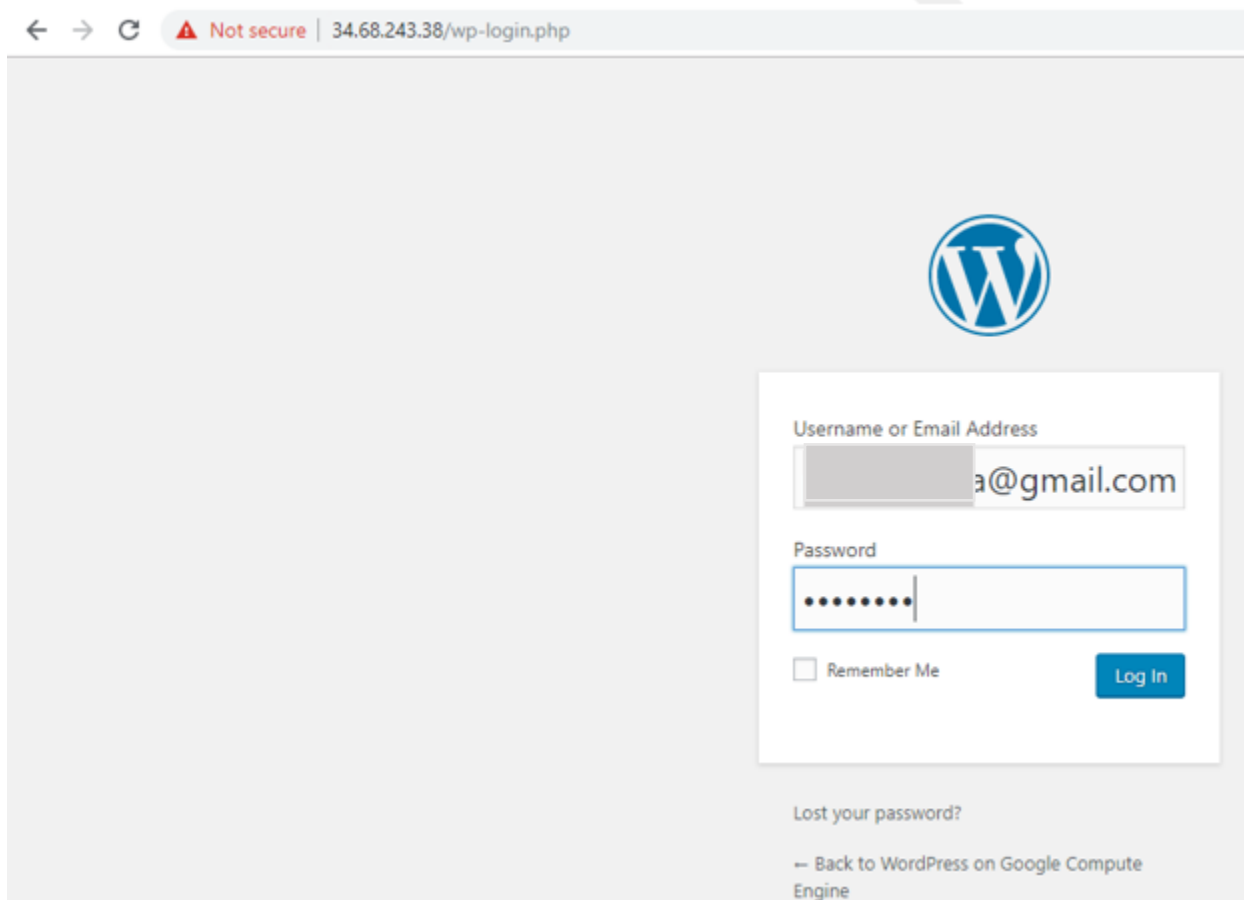
### Suggested next steps

Access the public IP address of the instance

Access the private IP address of the instance



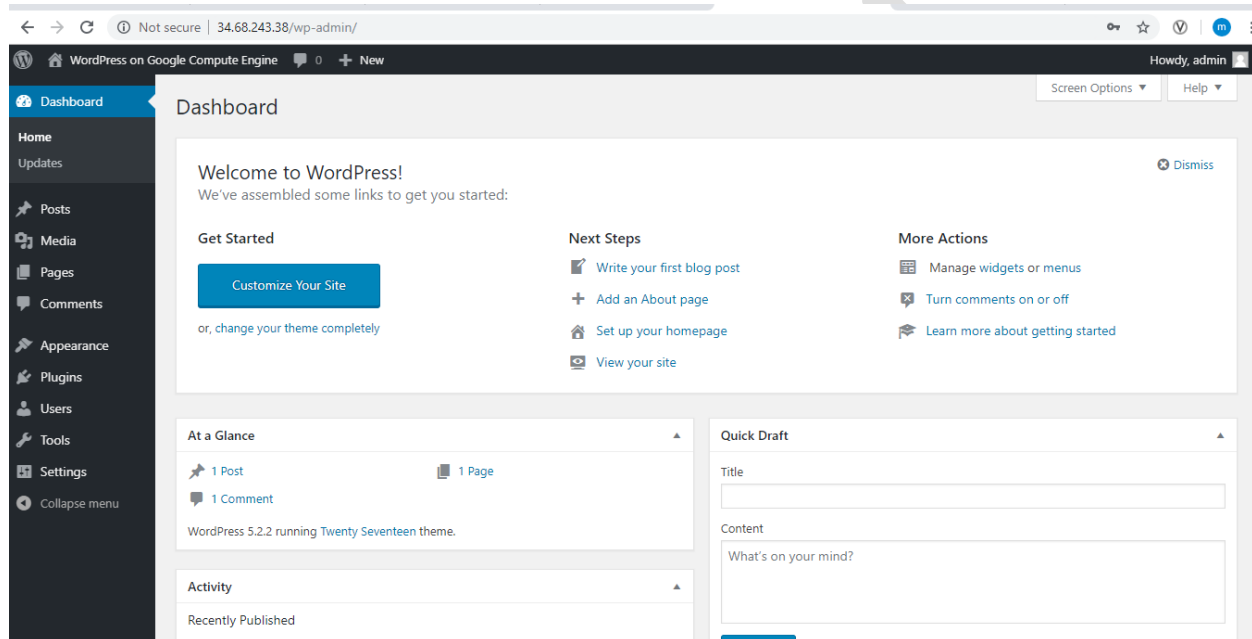
**Step 10:** To connect to the admin page, click on admin URL and enter the WordPress admin user and WordPress admin password



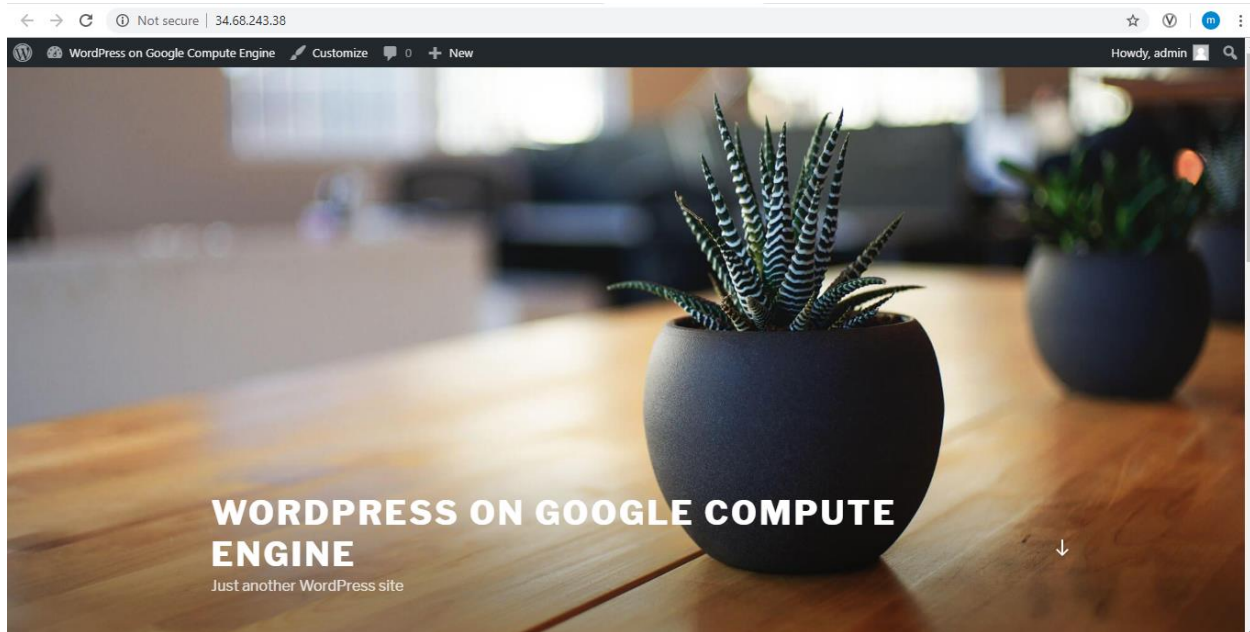
The screenshot shows a web browser window with the address bar displaying "← → ↻ Not secure | 34.68.243.38/wp-login.php". The main content area features the WordPress logo at the top center. Below the logo is a login form with the following elements:

- Username or Email Address:** A text input field containing "a@gmail.com".
- Password:** A text input field with masked characters (dots).
- Remember Me:** A checkbox labeled "Remember Me".
- Log In:** A blue button labeled "Log In".
- Lost your password?:** A link below the login form.
- Back to WordPress on Google Compute Engine:** A link at the bottom of the page.

**Step 10:** Here you get to customize the site as per your requirement



**Step 11:** To view the website click on site address



**summary of this assignment:** In this assignment, you have learnt to deploy a WordPress blogging site with Google MarketPlace