

Lab Guide for cloud deep dive

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Day-8 Assignments

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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

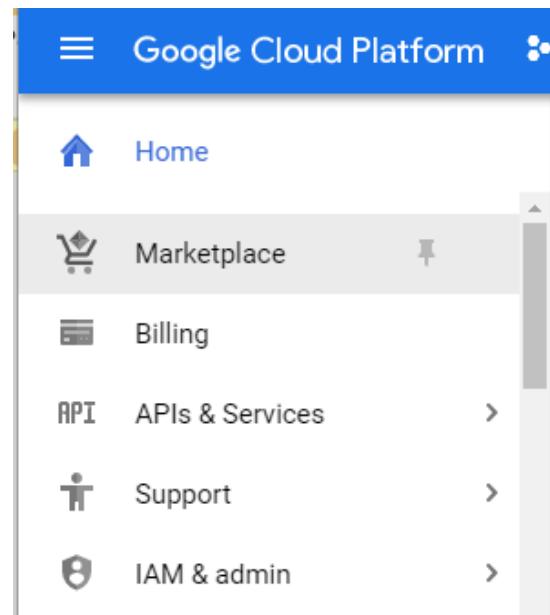
Objective: To Deploy a WordPress blog using GCP Marketplace

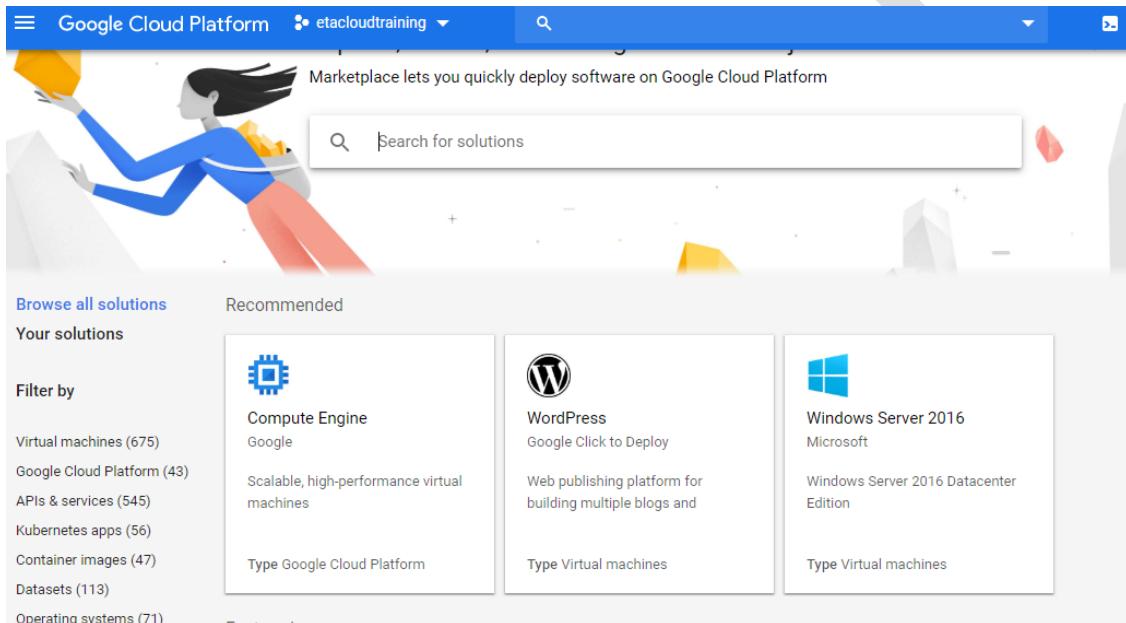
Solution:

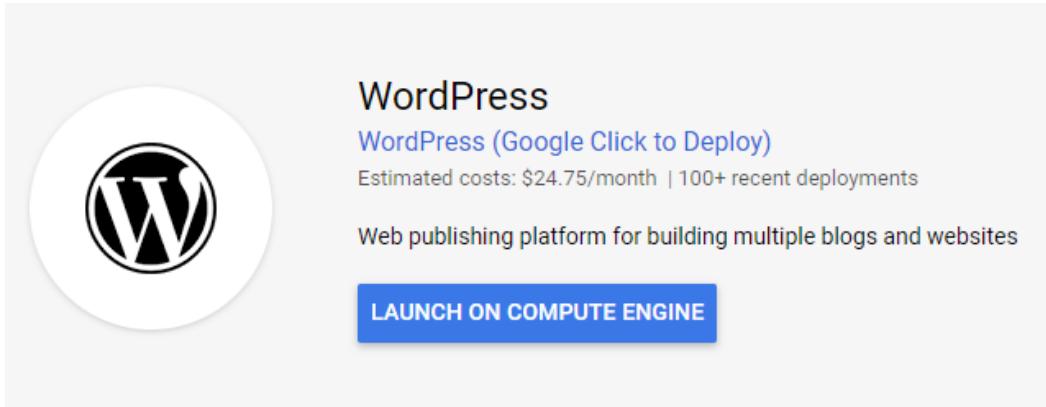
Step 1: Select project and enable billing for the same

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**



The screenshot shows a web-based deployment interface. On the left is a white circular icon containing the classic WordPress 'W' logo. To its right, the word 'WordPress' is displayed in a dark font. Below it, the text 'WordPress (Google Click to Deploy)' is shown in blue, indicating a clickable link. Underneath this, the text 'Estimated costs: \$24.75/month | 100+ recent deployments' is written in a smaller, gray font. Further down, the text 'Web publishing platform for building multiple blogs and websites' is displayed. At the bottom of the interface is a solid blue rectangular button with the white text '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

Zone

Machine type

1 vCPU

3.75 GB memory

Customize

 Install phpMyAdmin

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

Boot Disk**Boot disk type****Boot disk size in GB****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**

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

The so
the sof
Market
related
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By usin
may be
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Google
ongoing

Stackdriver

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

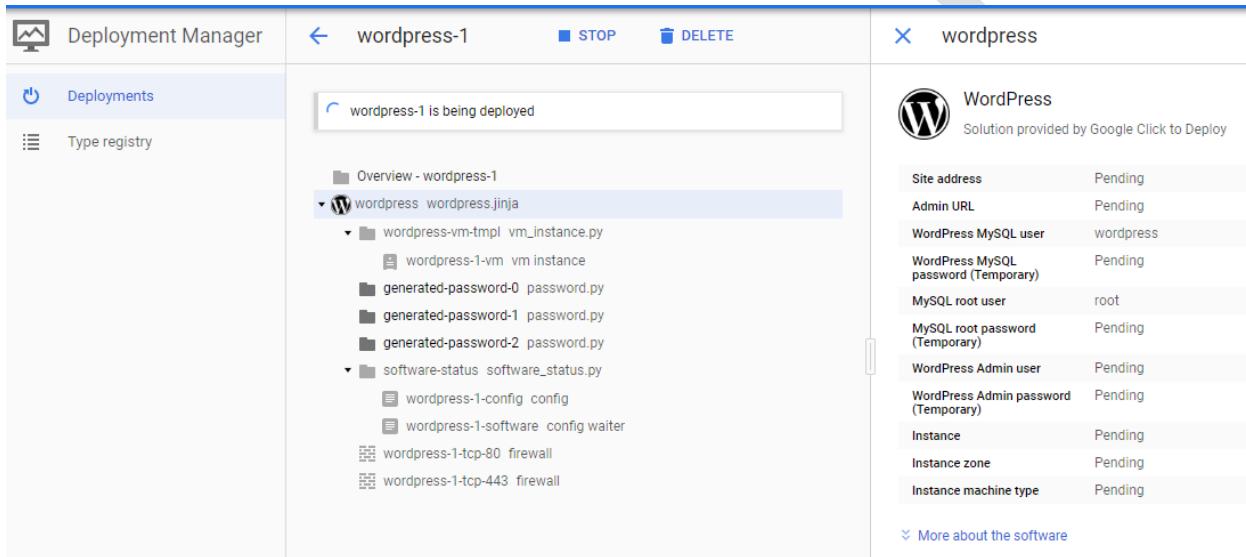
Enable Stackdriver Logging [?](#)

Enable Stackdriver Monitoring [?](#)

Deploy

Step 7: Click on Deploy

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



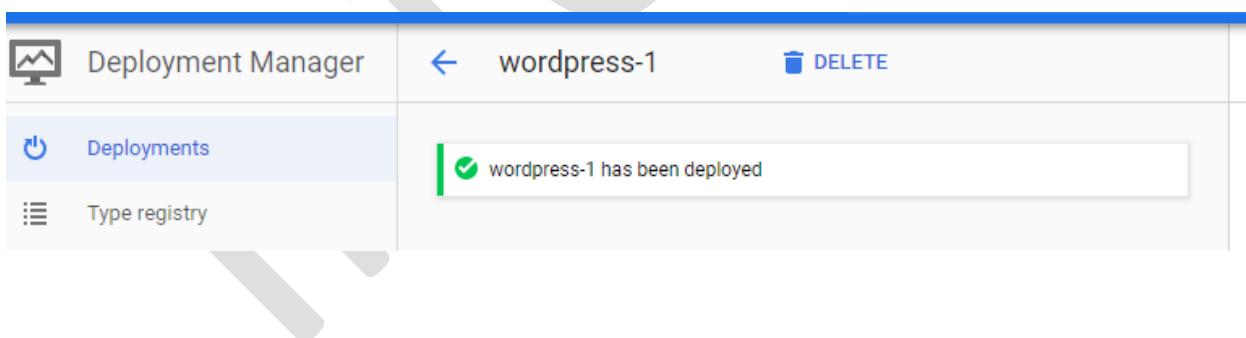
The screenshot shows the Google Cloud Deployment Manager interface. The top navigation bar includes 'Deployment Manager', a back arrow, the deployment name 'wordpress-1', a 'STOP' button, and a 'DELETE' button. To the right of the deployment name is a large blue 'X' icon.

The left sidebar has two main sections: 'Deployments' (selected) and 'Type registry'. Under 'Deployments', there is a list of resources under 'wordpress-1': 'Overview - wordpress-1', 'wordpress wordpress.jinja' (which is expanded to show 'wordpress-vm-tmpl vm_instance.py', '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', and 'wordpress-1-tcp-443 firewall'), and a summary message 'wordpress-1 is being deployed'.

The right panel displays the 'WordPress' solution details. It includes a 'WordPress' icon, the title 'WordPress', and a note 'Solution provided by Google Click to Deploy'. A table lists configuration parameters and their current status:

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

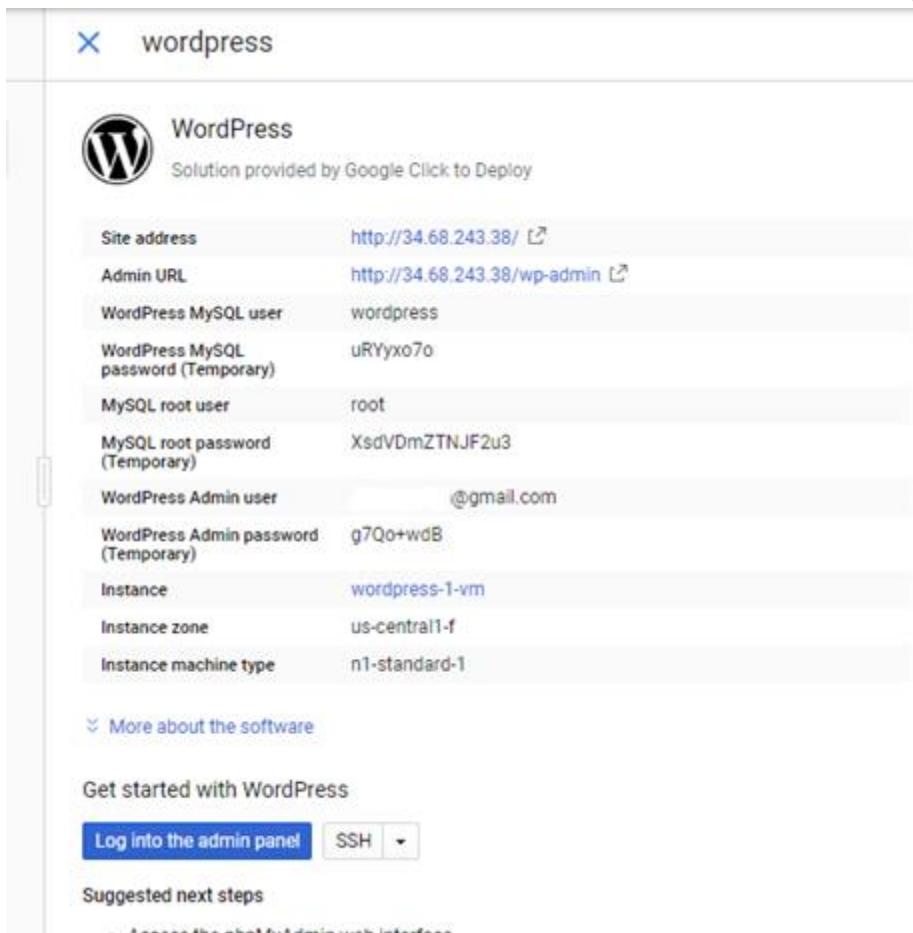
At the bottom of the right panel, there is a link 'More about the software'.



This screenshot shows the same Google Cloud Deployment Manager interface after the deployment has completed. The top navigation bar and sidebar are identical to the previous screenshot.

The right panel now displays a green checkmark icon and the message 'wordpress-1 has been deployed'.

Step 9: To the right of the window, we get to see the details of WordPress blog site with details like site address, admin URL and other important details as shown below



The screenshot shows the Google Cloud Platform interface for a deployed WordPress site. The top navigation bar has a back arrow and the text "wordpress". Below it, the "WordPress" icon and name are displayed, along with the note "Solution provided by Google Click to Deploy". A large gray watermark "3" is overlaid on the right side of the screen.

Setting	Value
Site address	http://34.68.243.38/
Admin URL	http://34.68.243.38/wp-admin
WordPress MySQL user	wordpress
WordPress MySQL password (Temporary)	uRYyxo7o
MySQL root user	root
MySQL root password (Temporary)	XsdVDmZTNJF2u3
WordPress Admin user	@gmail.com
WordPress Admin password (Temporary)	g7Qo+wdB
Instance	wordpress-1-vm
Instance zone	us-central1-f
Instance machine type	n1-standard-1

[More about the software](#)

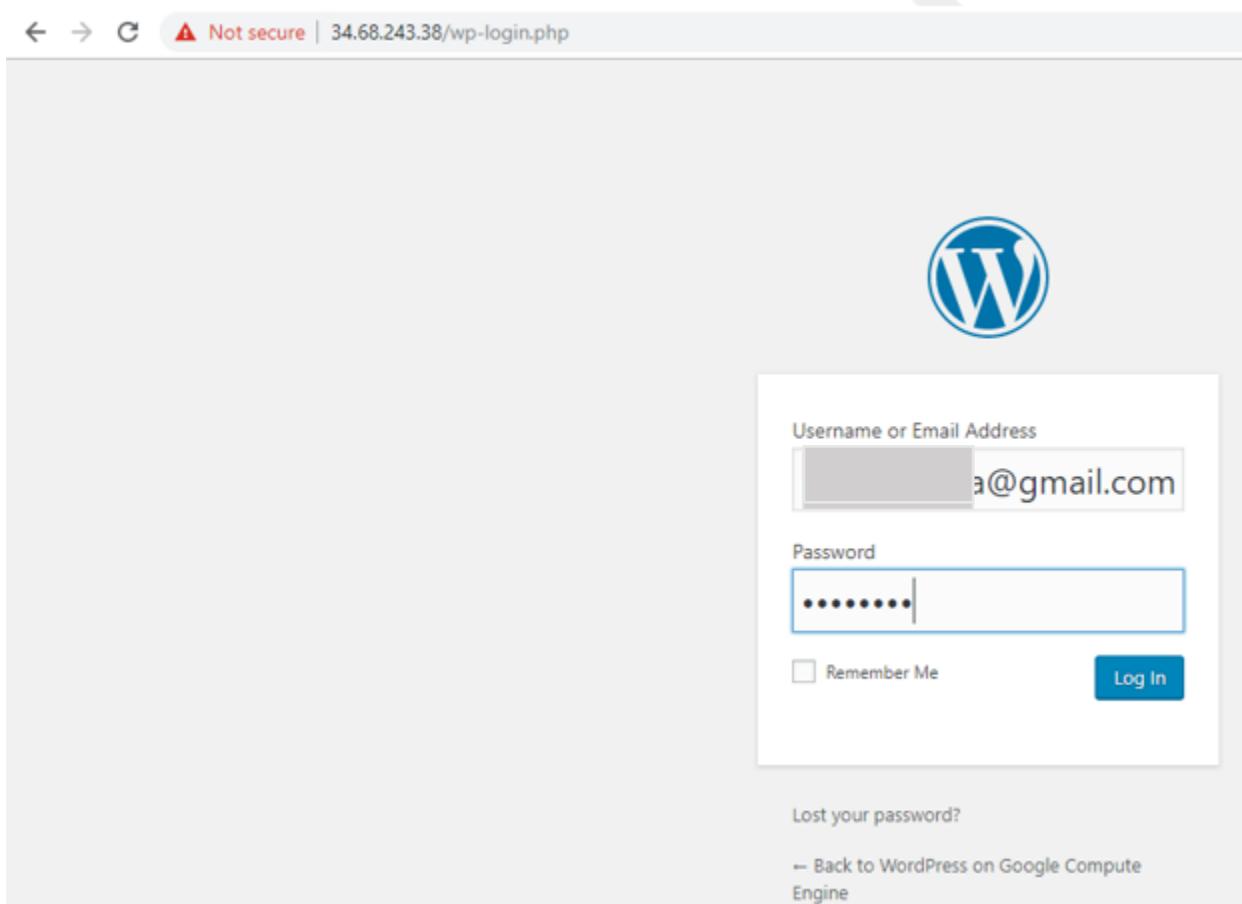
Get started with WordPress

[Log into the admin panel](#) [SSH](#) ▾

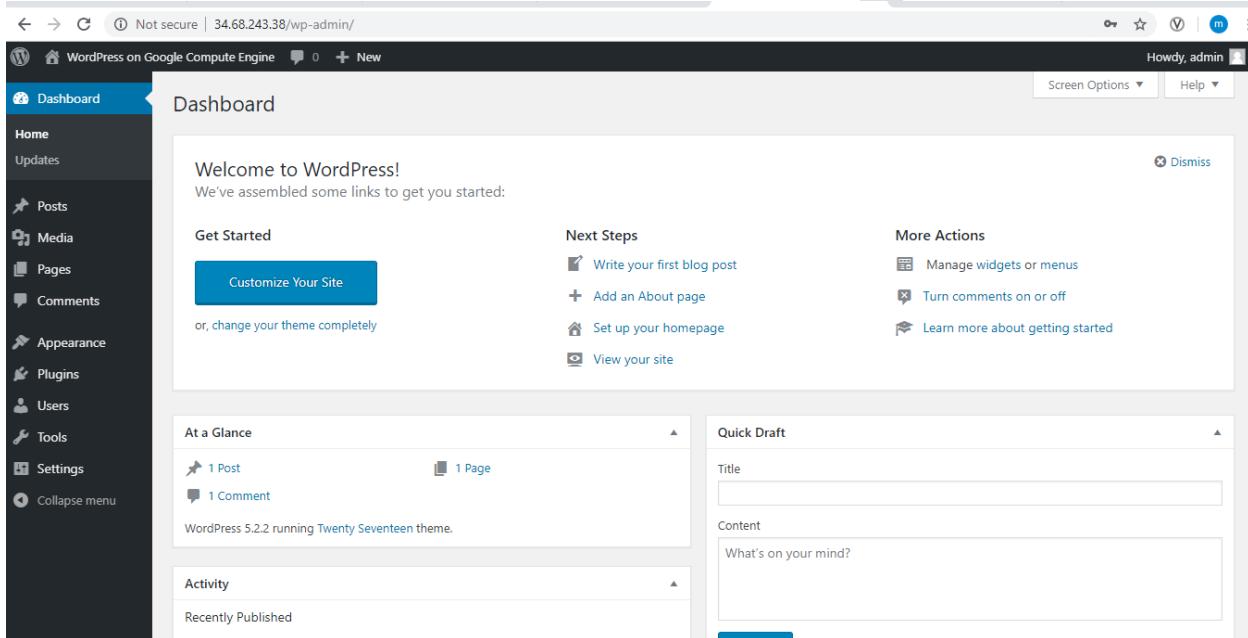
Suggested next steps

- Access the [Cloud Admin web interface](#)

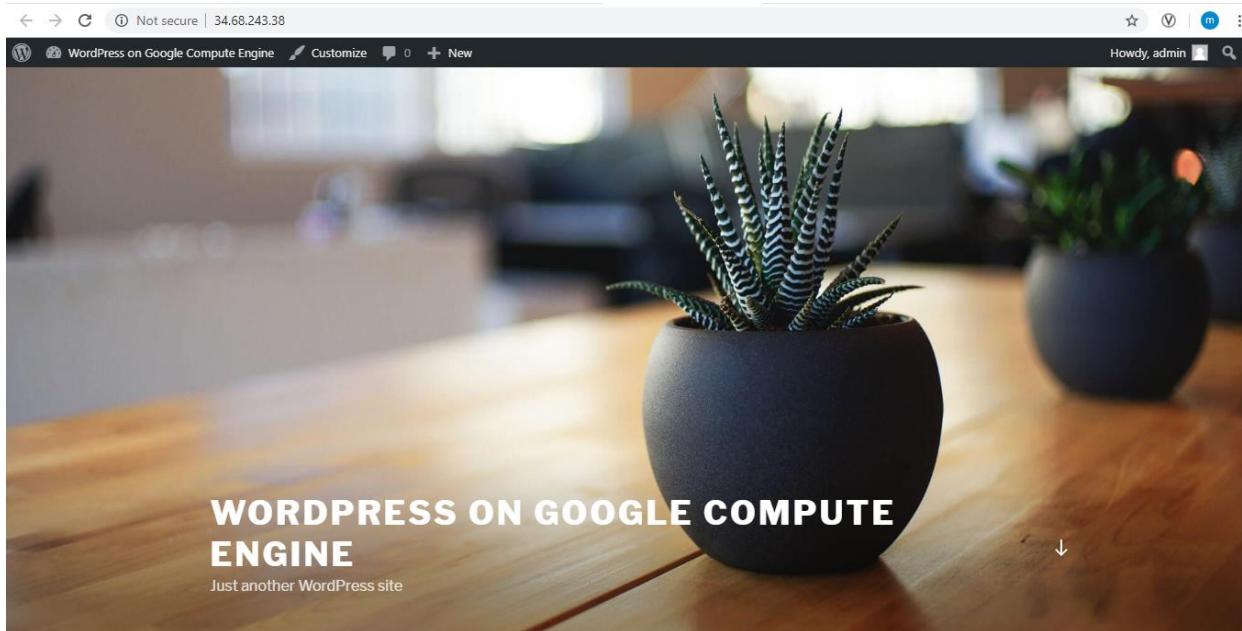
Step 10: To connect to the admin page, click on admin URL and enter the WordPress admin user and WordPress admin password



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