

Lab: Google Cloud Fundamentals: Getting Started with Cloud Marketplace

Overview

This lab guides you through deploying a LAMP stack on a Compute Engine instance using Google Cloud Marketplace. The Bitnami LAMP Stack includes Linux, Apache HTTP Server, MySQL, PHP, and phpMyAdmin, providing a complete web development environment for Linux.

Objectives

Learn how to launch a solution using Cloud Marketplace.

Task 1: Use Cloud Marketplace to deploy a LAMP stack

1. In the Google Cloud Console, click on the Navigation menu icon.
2. Select "Marketplace".
3. In the search bar, type "LAMP" and press ENTER.
4. Click on the Bitnami package for LAMP in the search results.
5. On the LAMP page, click "GET STARTED".
6. Check the box for Terms and agreements on the Agreements page, then click "AGREE".
7. Click "DEPLOY" on the Successfully agreed to terms pop-up.
8. Select the deployment zone assigned to you.
9. Choose "E2" as the Series and "e2-medium" as the Machine Type.
10. Leave the remaining settings as their defaults and click "Deploy".
11. Wait for the deployment status to change to "lampstack-1 has been deployed".
12. After installation, a summary with the site address will be displayed.

Task 2: Verify your deployment

1. Click on the Site address link in the right pane.
2. Alternatively, click "Visit the site" in the Get started with Bitnami package for LAMP section.
3. Close the congratulations browser tab.
4. Under Get started with LAMP Packaged by Bitnami on the Google Cloud Console, click "SSH".
5. In the SSH window, change the directory to /opt/bitnami using the command: **cd /opt/bitnami**.
6. Copy the phpinfo.php script using the command: **sudo sh -c 'echo "<?php phpinfo(); ?>" > apache2/htdocs/phpinfo.php'**.
7. Close the SSH window.
8. Open a new browser tab and enter the URL replacing SITE_ADDRESS with the URL from the Site address field: **http://SITE_ADDRESS/phpinfo.php**.
9. Close the phpinfo tab.

Congratulations! You have successfully deployed a LAMP stack on a Compute Engine instance using Cloud Marketplace.