

Project Title: WordPress on AWS EC2 Deployment

1. Introduction

1.1 Background

Deploying a WordPress website on AWS EC2 for seamless hosting and scalability.

1.2 Objectives

1. Learn WordPress website setup.
2. Gain hands-on AWS EC2 deployment experience.

2. Project Overview

2.1 Technologies Used

- WordPress
- AWS EC2
- MySQL (Amazon RDS)
- AWS Management Console

2.2 Project Architecture

WordPress on EC2, MySQL on Amazon RDS, Elastic IP for static address.

3. Implementation

3.1 WordPress Setup

1. Install WordPress on EC2.
2. Configure themes and plugins.

3.2 AWS EC2 Configuration

1. Launch EC2 instance.
2. Set up SSH access and key pair.
3. Configure web server (e.g., Apache/Nginx).

4. Challenges Faced

4.1 Technical Challenges

1. Security group configuration.
2. Database connectivity issues.

4.2 Learning Points

1. AWS resource management.
2. WordPress customization.

5. Future Improvements

1. Implement load balancing.
2. Enhance security with SSL.

6. Conclusion

Successfully deployed WordPress on AWS EC2, gaining valuable technical insights.