

Presentation 1: Trustech Cloud Engineers B10

Enhancing WordPress Deployment with ECS, HTTPS Redirection, Custom Domain Setup, and CloudWatch Monitoring

Project summary: This project can be used in a real-world scenario where a company is deploying a WordPress website on **AWS using ECS (Elastic Container Service)**. By setting up HTTPS redirection, the company ensures secure access to their website. Attaching a custom **domain from Route 53** allows for easy branding and user-friendly URLs. Additionally, integrating **CloudWatch** for monitoring ensures that the deployment is stable and performance is tracked, which is essential for maintaining uptime and troubleshooting issues. This setup is ideal for businesses looking to scale their WordPress website with high availability and security.

In addition to the ECS project we completed yesterday, you are required to upgrade the project in groups.

- Ensure all traffic is routed via **HTTPS**, and any HTTP traffic should be redirected to HTTPS.
- By default, your WordPress container can be accessed from the web using the service DNS (ALB DNS). Attach a custom domain from Route 53 to it, which will be used to access your WordPress cPanel and website.
- Lastly, attach CloudWatch logs during the creation of your ECS task definition for monitoring.

You are expected to work on the project in groups, prepare a **PowerPoint** presentation, and create a video demonstrating how you completed the tasks above. You can either provide a **25-minute** recorded video or display the **live project** in class.

Warm regards

By N.T.Samuel