

# Question For Hands-on

## Client Request:

You are a cloud architect for a consulting company. One of your clients, a media company, wants to deploy a news website using WordPress. They need the infrastructure to be highly available and highly scalable to handle unpredictable traffic spikes, especially during breaking news events.

## Requirements:

### 1. Infrastructure Requirements:

- **Load Balancing:** Use a load balancer to distribute traffic across multiple web servers.
- **Web Servers:** Use multiple EC2 instances to host the WordPress application.
- **Database:** Use a managed database service like Amazon RDS for the WordPress database to ensure high availability.
- **Storage:** Store WordPress media files on a scalable storage solution like Amazon S3.
- **Auto-Scaling:** Implement auto-scaling to automatically adjust the number of web server instances based on traffic.
- **Security:** Ensure secure access to the instances using security groups and IAM roles.

## Task:

Create infrastructure and deploy the WordPress application. Include:

### 1. Infrastructure Deployment:

- Deploy overall infrastructure.
- Use least minimum resource to avoid any billings

## Note:

- Make sure to use all resource which comes under free tier to avoid any billings
- If any resource doesn't come under free tier make sure to clean up as soon as your task are verified
- Make sure to show all your outputs to the interviewer before cleaning resources otherwise marks will not be counted