

Experiment No. 3

Title: Create an account on AWS. Deploy a Website admission portal on EC2 Service. Configure the traffic rules for the server for a specific need. Creation of application load balancer.

Objectives:

- To get acquainted with AWS platform.
- To get familiar with EC2 Service
- Learn how to configure the traffic rules.
- To understand creation of application load balancer.

Theory:

- Introduction to AWS (Amazon Web Services)
- Steps /procedure to follow for an AWS account creation
- Briefing on EC2 Service
- Deploying the website using EC2 service
- Configure the traffic rules for the server
- Creating Application load balancer

Conclusion:

Students should write the learning outcome and conclusion

FAQs:

1. How do you deploy a website on AWS using EC2?
2. What's the purpose of an Application Load Balancer (ALB) in this setup?
3. How do you ensure security for your EC2 instances?
4. Why is scalability important for a web application?
5. Can you explain how the ALB helps with scalability and high availability?