

DATE : 01.03.2025
DT/NT : NT
LESSON : AWS
SUBJECT: FINAL PROJECT INTRO

BATCH : B 303

AWS-DEVOPS



TECHPRO
EDUCATION



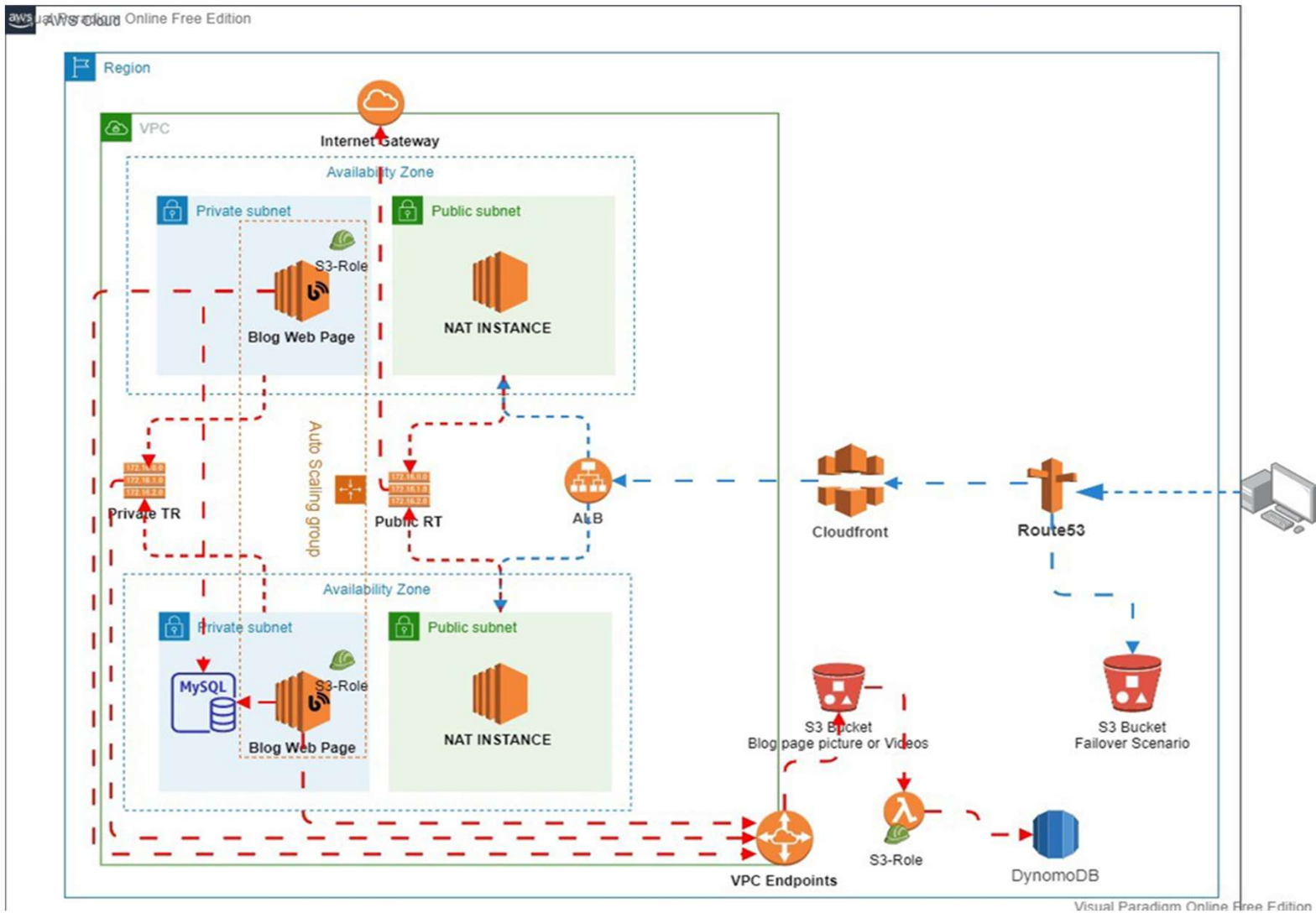
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Blog Project Tasks



Blog Project Tasks

1. Create VPC and all components

Create VPC

Create Subnets

Create and attach an internet gateway

Create Route Tables

Create Endpoint

2. Create Security Groups (ALB ---> EC2 ---> RDS)

ALB Security Group

EC2 Security Groups

RDS Security Groups

NAT Instance Security Group


3. Create RDS

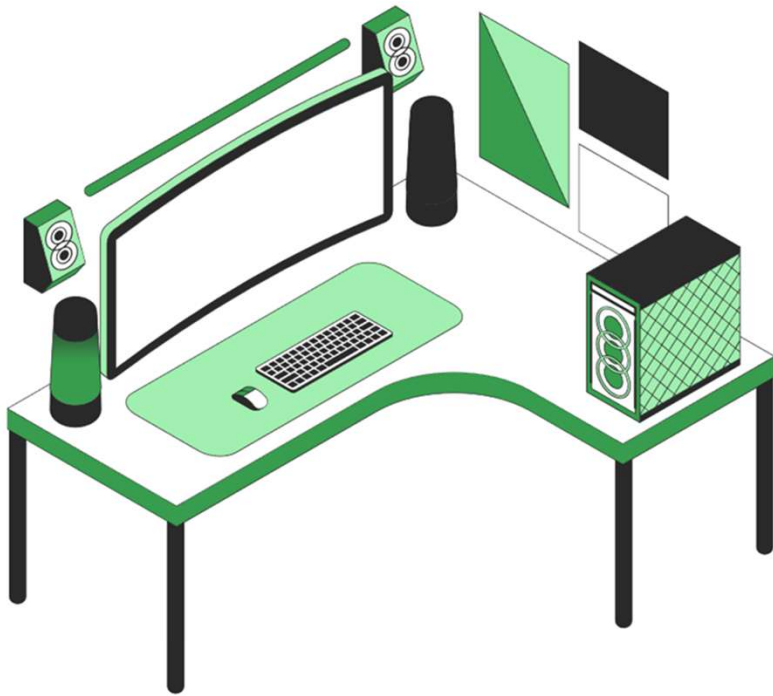
Create a subnet group for our custom VPC

Create Database

4. Create two S3 Buckets and set one of these as static website.

- Failover Scenario
- Web Site

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5. Copy files downloaded or cloned from **Techproeducation** repo on Github
 6. Prepare your **Github repository**
 7. Prepare a userdata to be utilized in **Launch Template**
 8. Write RDS database endpoint and S3 Bucket name in settings file given by Developer and push your application into your own repo on Github
 9. Create **NAT Instance** in Public Subnet
 10. Create **Launch Template and IAM role** for it
 11. Create **certification** for secure connection
 12. Create **ALB and Target Group**
 13. Create **Autoscaling Group with Launch Template**
 14. Create **Cloudfront** in front of ALB
 15. Create **Route 53** with Failover settings
 16. Create **DynamoDB Table**
 17. Create **Lambda function**
 18. Create **S3 Event and set it as trigger** for Lambda Function



Do you have any questions?

Send it to us! We hope you learned something new.