

**DATE : 14.08.2024**  
**DT/NT : NT**  
**LESSON : AWS**  
**SUBJECT: FINAL PROJECT INTRO**

**BATCH : B 279**

**AWS-DEVOPS**



**TECHPRO**  
EDUCATION



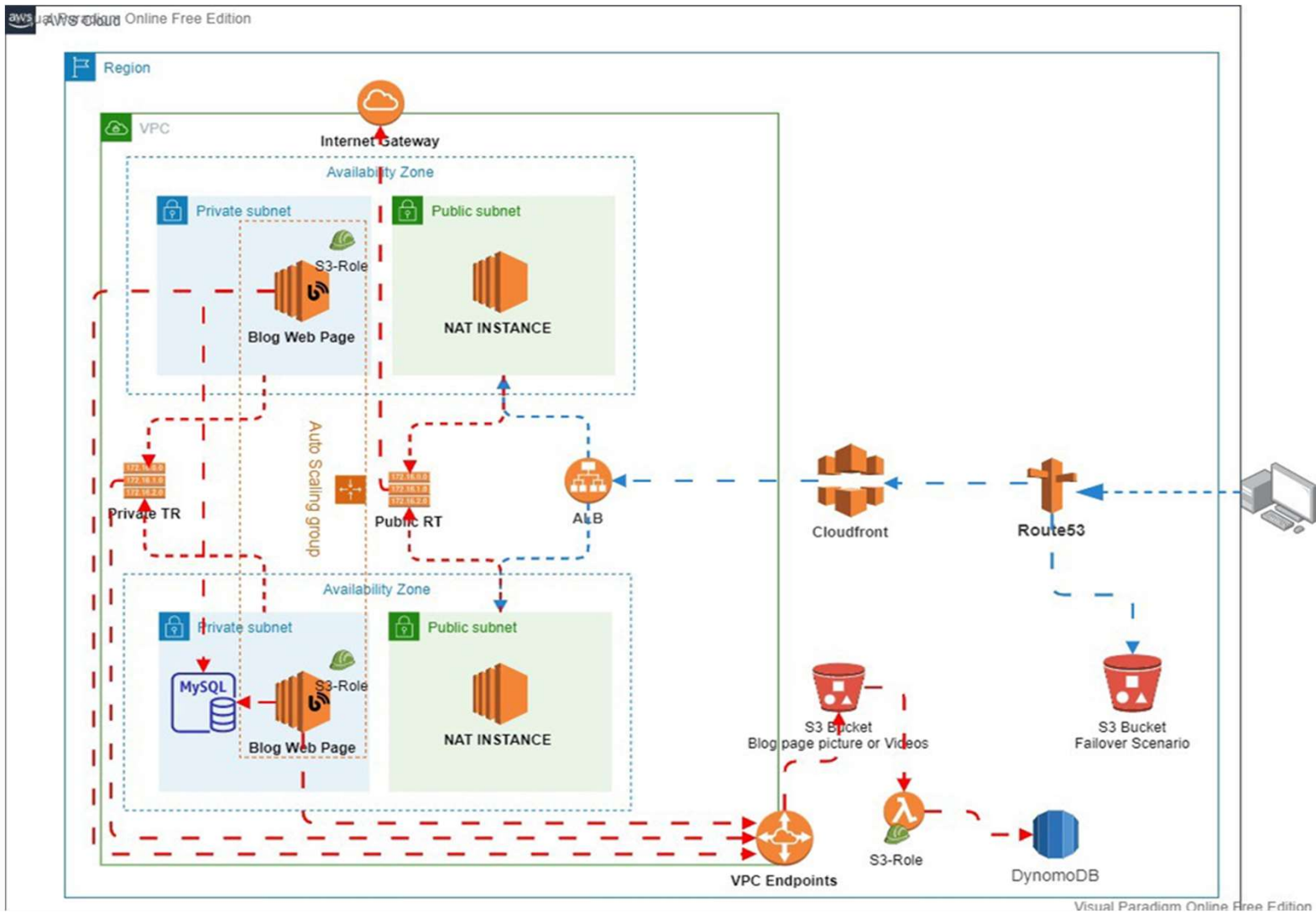
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## Blog Project Tasks



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### 1. Create VPC and all components

Create VPC

Create Subnets

Create and attach an internet gateway

Create Route Tables

Create Endpoint

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

ALB Security Group

EC2 Security Groups

RDS Security Groups

NAT Instance Security Group


### 3. Create RDS

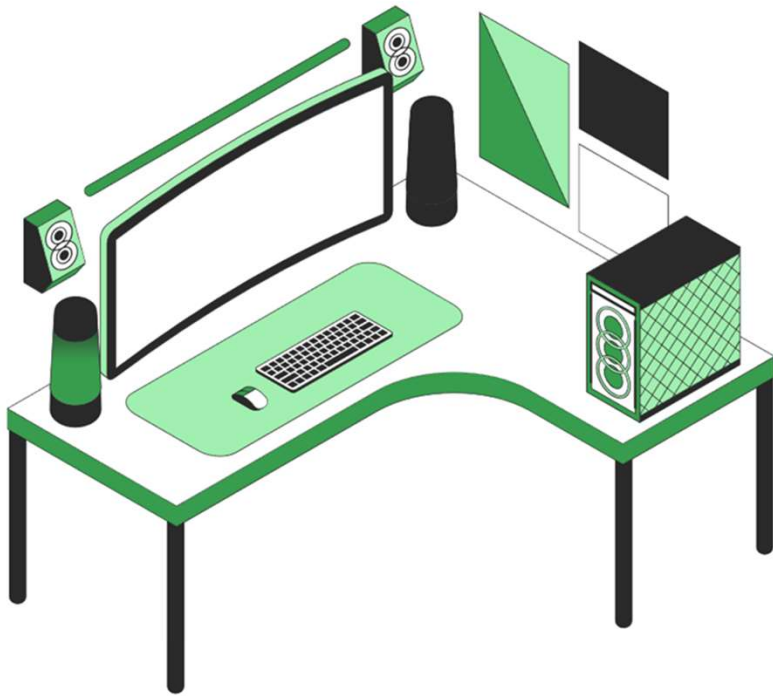
Create a subnet group for our custom VPC

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.