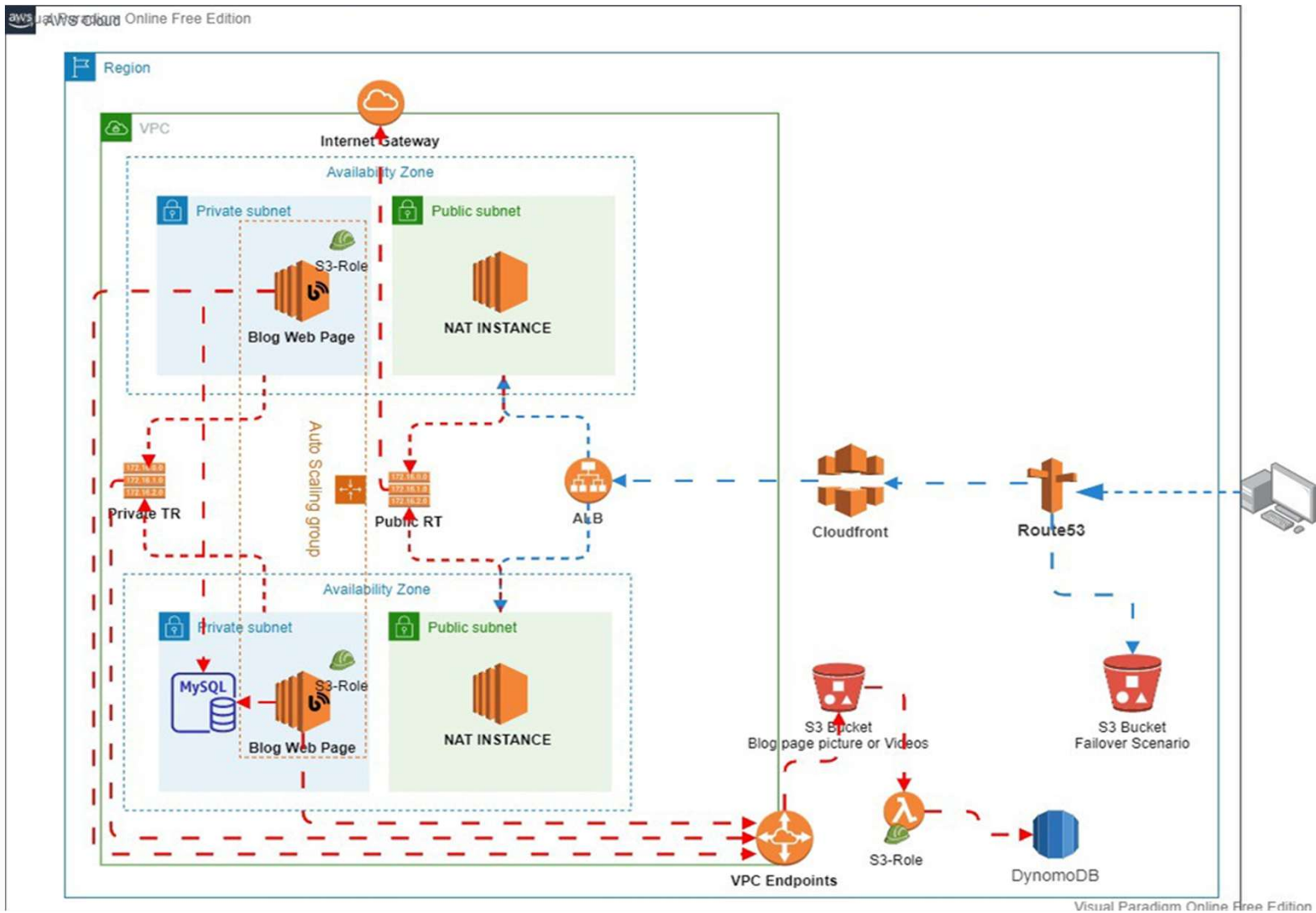# Blog Project Tasks

## 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

5. Copy files downloaded or cloned from Techproeducation repo on Github

6. Prepair 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

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