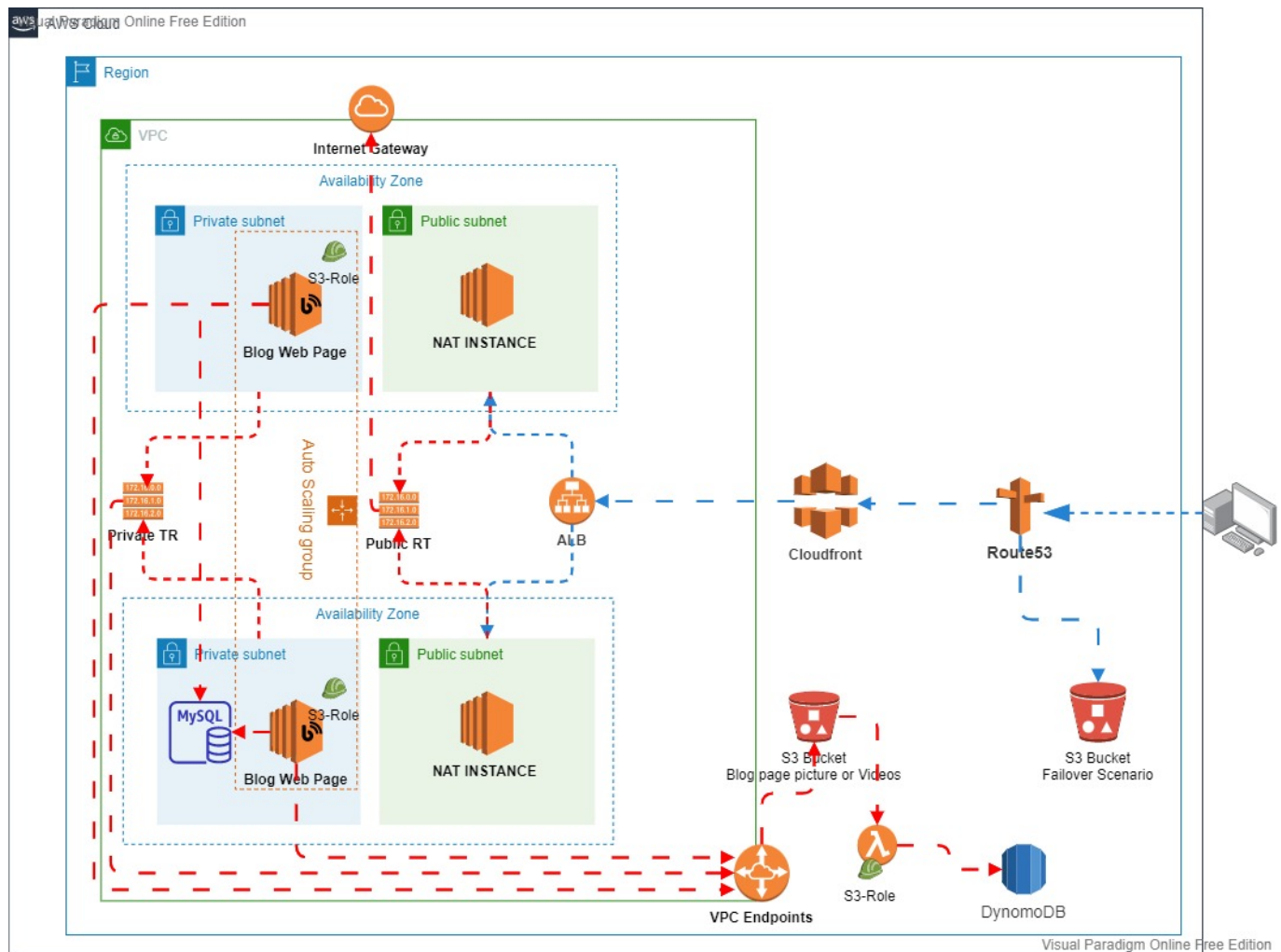


Blog Project Tasks



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 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