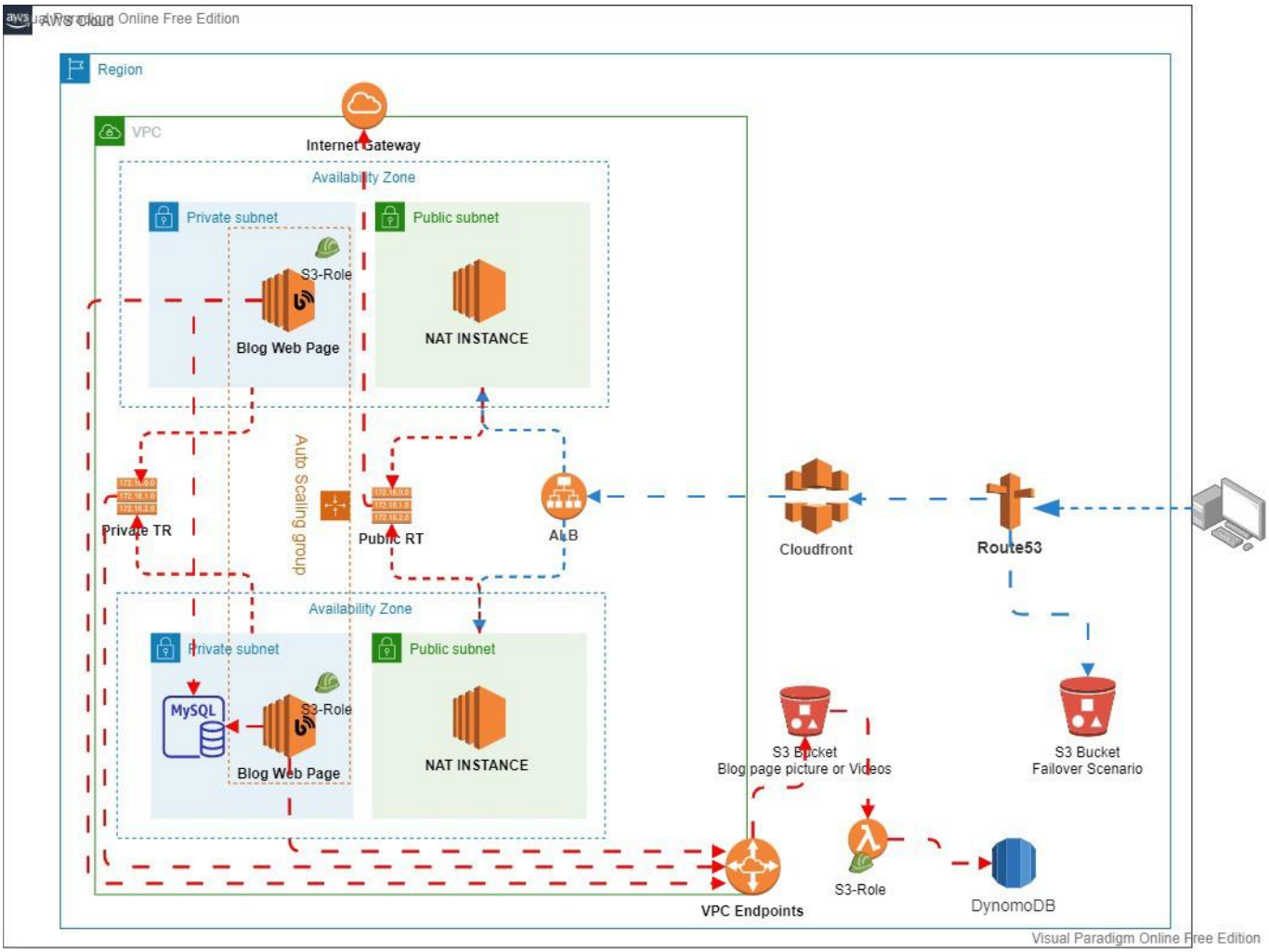
# Blog Project Tasks




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