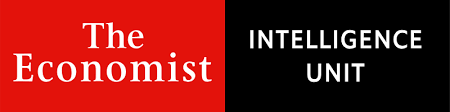
Developer, SRE – Coding assessment



1. **Consider the scenario and write the code with the naming conventions provided.**

Create a new VPC with two linux EC2 instances on an ELB and autoscaling group.

* VPC name vpc-eiu-sre-labtest
* EC2 type: t2.micro
* subnet cidr: 10.41.2.0/30
* route table: rtb-eiu-sre-labtest
* security group name: sg-sre-labtest-ec2-ssh - inbound rule to access the instance from the office: 14.98.68.88/29 Description: Economist Gurgaon
* security group name: sg-sre-labtest-rds - inbound rule to access the rds from the office: 14.98.68.88/29 Description: Economist Gurgaon
* Internet gateway: igw-eiu-sre-labtest
* Virtual private gateway: vpg-eiu-sre-labtest

Create a S3 bucket eiu-sre-labtest and make it public

* Create a labtest.txt object in the above bucket

Create an IAM role eiu-sre-labtest-iam-role with below policies attached

* AWSSUpportAccess, ReadOnlyAccess

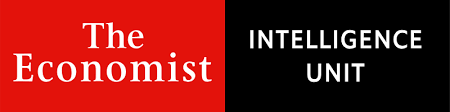
Create a mysql RDS instance and assign the appropriate security group created above.

* List the EC2, RDS instances and the S3 bucket objects created above.

Important Note:

1. You will have 45 minutes to complete the coding test
2. You can use your favourite language to complete. (CFN, Terraform, Ansible)
3. We will check the syntax and the technique you use, so please read the question carefully and answer accordingly.
4. Any questions, please feel free to contact **Chaitra Acharya.**

Developer, SRE – Architecture design assessment



1. **Describe the best architecture you can design for the below project.**

We need to make a website where frontend **website** with **Search** should be in place. There will be two navigation links – Article, Geography in the front page.

* Article content is stored in the Database, you will have to extract those and push it to the Elastic Search.
* Geography content is stored in the Database, you will have to extract those and push it to the Elastic Search.
* You can use any of the AWS services.
* Technologies are, .NET Core 2.1, MS SQL 2017

Important Note:

1. You will have 45 minutes to complete the design.
2. Come up with a presentation and at the end of this, we will review this with you.

Tony Tran and Frank Gibson will review and ask questions.

1. Use the suitable AWS services and explain why you think that is the best.
2. Any questions, please feel free to contact **Chaitra Acharya.**