Cloudfront

Route 53
Failover Scenario

Route 53
Hosted Zone

AWS

VPC

NAT Instance
& Bastion Host

ELB

Internet Gateway

Public RT

NAT Instance
& Bastion Host

Public subnet 1A

Public subnet 1B

Auto Scaling group

MySQL

Blog Website

RDS

Private RT

Blog Website

Amazon S3
Failover Scenario

Private subnet 1A

Private Subnet 1B

Availability Zone 1A

Availability Zone 1B

Endpoint

Endpoint

S3 Bucker
For Blog Pics and Videos

LAMBDA

DynamoDB

AWS Region

S3

- Posted Images
- Django Python Static files

Amazon RDS

- Blog posts

Clarusway Blog   Home About   Logout Profile New Post

Clarusway Blog

Lorem ipsum

What is Lorem Ipsum?

Lorem Ipsum is simp...

☐0 👁0 ♡0

Posted 0 minutes ago.

Amazon Elastic
Block Storage
(EBS)

- Web Server
- O/S
- Web Server Software
- System and App logs

Amazon
DynamoDB

- Item envanter
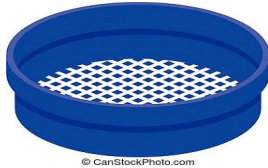
ELB-Sec
Grp

EC2-Sec
Grp

RDS- Sec Grp

Create VPC

- *Name tag*: **clarus-vpc-a**

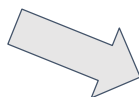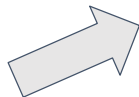- *IPv4 CIDR block*: **10.7.0.0/16**

Create IGW

IGW Action Menu:
Attach IGW to VPC

Set the VPC Route Table:
00000:/0 >   IGW

VPC Action Menu:
Edit DNS Hostname

Name Default Route Table: default-labvpc

Internet Gateway

VPC

aws

Availability Zone 1-a

Public Subnet 1a

NAT Instance

Amazon RDS

Private Subnet 1a

10.10.1.0/24
10.10.020/24
10.10.3.0/24
Route Table

ALB

AWS ASGs

10.10.1.0/24
10.10.020/24
10.10.3.0/24
Route Table

Availability Zone 1-b

Public Subnet 1b

Private Subnet 1b

Endpoint

Amazon S3
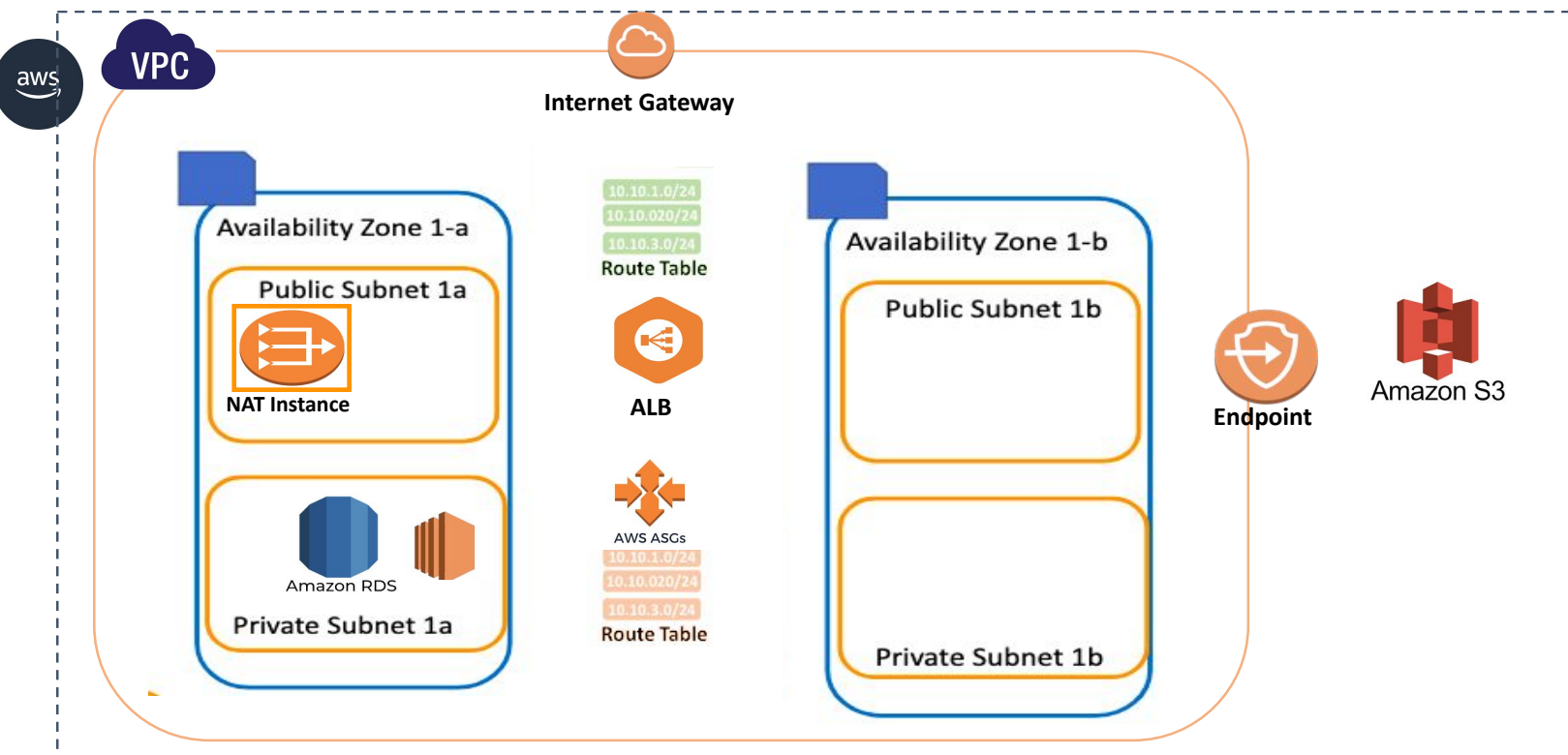
NAT Instance

Default-Public

Private

Internet Gateway

Local

NAT Instance

S3 Gateway

Local

Classic Way

VPC Endpoint

AWS

Internet Gateway

Internet Gateway

S3

NAT Gateway

Public Subnet

EC2

Public Subnet

Private Subnet

* Endpoint

Private Subnet
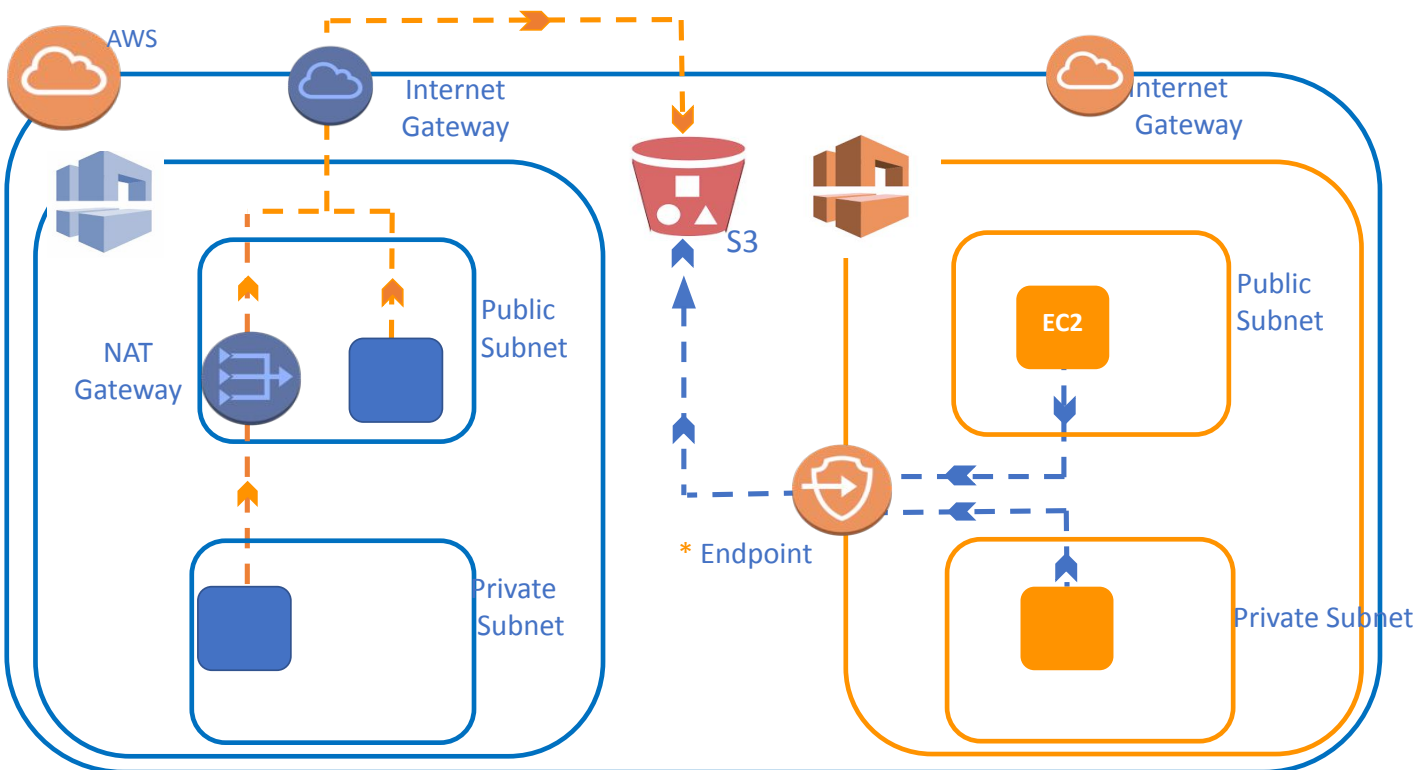
DB instance identifier =RDS-mysql (Valid only in AWS)

Amazon RDS

Master username=admin

Master password: PI123456789

Initial database: clarusway

AWS_STORAGE_BUCKET_NAME

Amazon RDS

Master username=admin

Initial database: clarusway

Database Endpoint: xxxxxx.com

Amazon RDS

Master password: PI123456789

scr/cblog/

settings.py

scr/

.env

& django

EC2

push and get from s3

index. html
….jpg

EC2   aws ❌

EC2   aws ✅

CLARUSWAY
WAY TO REINVENT YOURSELF

Failover

Secondary

or   S3

6   AWS Route 53   1   http://www…

7

http://www
B

2   EC2   Primary

5   3   4
Unhealthy   Healthy

http://www
A

Health Check
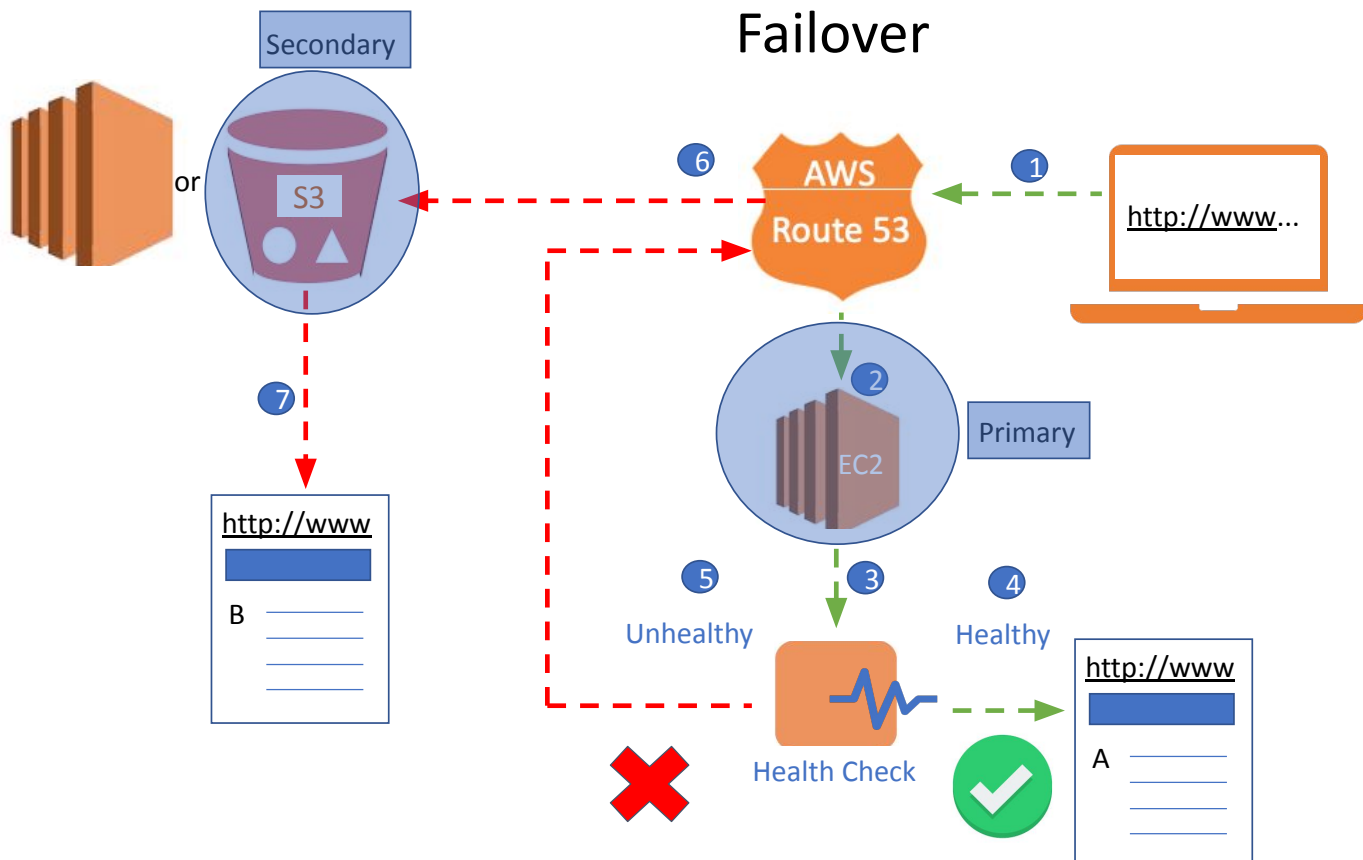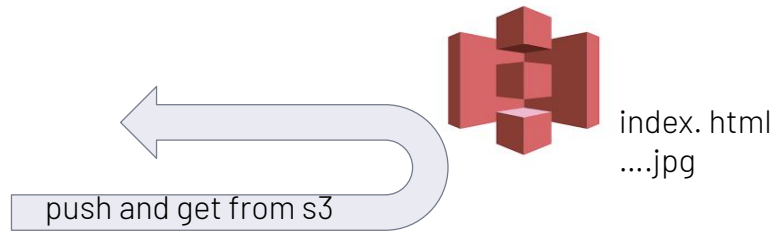
1.S3 FullAcces
2.DaynamoDbFullAccess
3.Network Administrator

SOURCE

DynamoDB > Explore items > osvaldo

Tables (3) ✕

Any tag key ▼

Any tag value ▼

🔍 Find tables by table name

< 1 > ⚙

○ awscapstoneDynamo
● osvaldo
○ tf-s3-app-lock-andy

osvaldo   Autopreview   **View table details**

▸ **Scan or query items**
Expand to query or scan items.

✓ Completed. Read capacity units consumed: 0.5   ✕

Items returned (1)   ↻   Actions ▼   **Create item**

< 1 > ⚙ ⤢

☐	id	Event	timestamp
☐	cat.jpg	Created	2023-07-18T21:50:49.822Z