S3 EXERCISE

Ques 1. create a private hosted zone named "ttn-internal.com" attached to the default vpc. and created a cname record "myloadbalance.ttn-internal.com" for any load balancer pointed to its dns. Do reverse lookup for the record from any instance of the vpc and share the result.

Ans 1.

Created a private hosted zone with the name rishabh-ttn-internal.com

Create Hosted Zone

A hosted zone is a container that holds information about how you want to route traffic for a domain, such as example.com, and its subdomains.

Domain Name: t3Huk.com

Comment: it is the hosted zone

Type: Private Hosted Zone for Amazon VPC

A private hosted zone determines how traffic is routed within an Amazon VPC. Your resources are not accessible outside the VPC. You can use any domain name.

VPC ID: vpc-0847695ca84e79af3 | us-east-1

Important

To use private hosted zones, you must set

Create

Created a record set with the name myloadbalance.rishabh-ttn-internal.com

Create Record Set

Name: `my-lb` .t34ak.com.

Type: CNAME – Canonical name

Alias: ○ Yes ◉ No

TTL (Seconds): 300 | 1m | 5m | 1h | 1d

Value:
```
t34ak-lb-1405730039.us-
east-1.elb.amazonaws.com
```
The domain name that you want to
resolve to instead of the value in the
Name field.
Example:
www.example.com
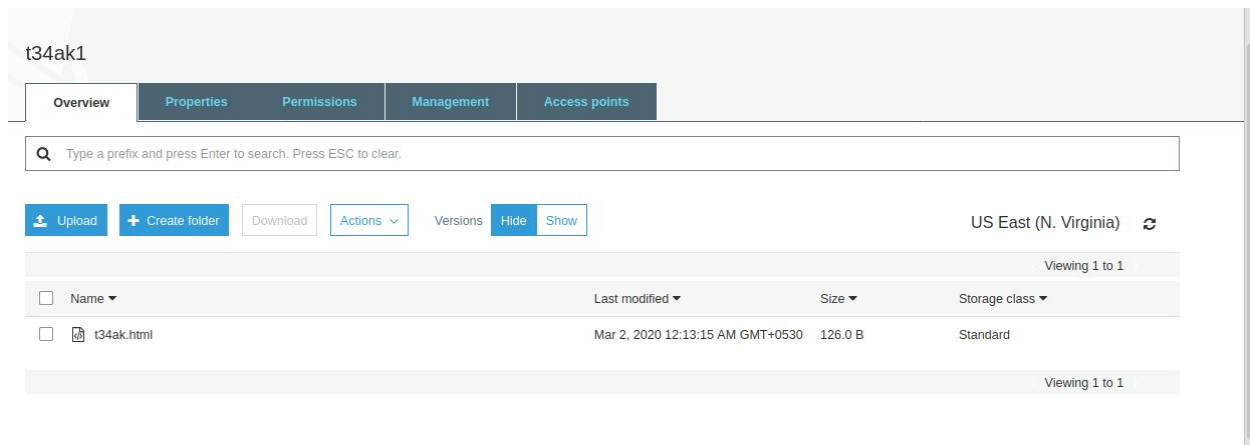
Routing Policy: Simple

Create

Nslookup

```
fahad@fahad ~/exercises_training  <DOCKER>
➤ nslookup my-lb.t34ak.com
Server:        127.0.0.53
Address:       127.0.0.53#53
```

Ques 2. Create a non-public S3 bucket and give appropriate permissions to a server to download objects from bucket but not to put or delete anything in it.

Ans 2.

 Created a bucket and uploaded a file ...

t34ak1

| Overview | Properties | Permissions | Management | Access points |

🔍 Type a prefix and press Enter to search. Press ESC to clear.

⬆ Upload   ＋ Create folder   Download   Actions ⌄   Versions Hide Show   US East (N. Virginia) ⟳

Viewing 1 to 1

☐	Name ▾	Last modified ▾	Size ▾	Storage class ▾
☐	📄 t34ak.html	Mar 2, 2020 12:13:15 AM GMT+0530	126.0 B	Standard

Viewing 1 to 1

Make a s3 bucket non public ...

Blocked all public access...

Block public access   Access Control List

Block public access (bucket settings)

Public access is granted to buckets and objects through
buckets and objects is blocked, turn on Block all public a
access, but before applying any of these settings, ensure
objects within, you can customize the individual settings

Block *all* public access
On

— **Block public access to buckets and objects**
  On

— **Block public access to buckets and objects**
  On

— **Block public access to buckets and objects**
  On

Created a bucket policy ...

Policies > t34ak-s3

Summary   Delete policy

Policy ARN   arn:aws:iam::187632318301:policy/t34ak-s3

Description

Permissions   Policy usage   Policy versions   Access Advisor

Policy summary   { } JSON   Edit policy   ?

```
1  {
2      "Version": "2012-10-17",
3      "Statement": [
4          {
5              "Sid": "VisualEditor0",
6              "Effect": "Allow",
7              "Action": "s3:GetObject",
8              "Resource": "arn:aws:s3:::t34ak1/t34ak.html"
9          }
10     ]
11 }
```

Create role

▾ Attach permissions policies

Choose one or more policies to attach to your new role.

| Create policy | | | ⟳ |

| Filter policies ⌄ | 🔍 t34 | | Showing 1 result |

	Policy name ▾	Used as
☑ ▶	t34ak-s3	*None*

Now attach the role to the instance of EC-2

User can only download the object not to pull or delete

```
ubuntu@ip-172-31-45-206:~$ aws s3api get-object --bucket t34ak1 --key "t34ak.htm
l" G3.html
{
    "AcceptRanges": "bytes",
    "LastModified": "Sun, 01 Mar 2020 18:43:15 GMT",
    "ContentLength": 126,
    "ETag": "\"c2e2065d343da2e461112a9c2b014c0b\"",
    "VersionId": "vkYLhlufdDHr5InSDX3Sqgzq8MzjdPod",
    "ContentType": "text/html",
    "Metadata": {}
}
ubuntu@ip-172-31-45-206:~$ ls
G3.html
ubuntu@ip-172-31-45-206:~$ cat G3.html
<html>
<body>

<h1>T34aK</h1>

<p>This is the center</p>
<p>This is to check the new version of the file</p>
</body>
</html>
```