

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

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:

Comment:

Type:

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:

Important

To use private hosted zones, you must set the following Amazon VPC settings to true:

- enableDnsHostnames

Create

[VPCs](#) > Edit DNS hostnames

Edit DNS hostnames

VPC ID vpc-0bce5df601296bb8a

DNS hostnames ☒ enable

* Required


Edit DNS resolution

VPC ID vpc-0bce5df601296bb8a

DNS resolution ☒ enable

* Required

Edit Record Set

Name: myloadbalance .ttn-internal.com. 

Type: CNAME – Canonical name ▼

Alias: ☐ Yes ☒ No

TTL (Seconds): 10 1m 5m 1h 1d

Value:

NLB-WP-ayush-d0d5b8f48079f1a4.elb.us-east-1.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 ▼

Route 53 responds to queries based only on the values in this record. [Learn More](#)

Save Record Set

```
ubuntu@ip-10-0-2-177:~$ nslookup myloadbalance.ttn-internal.com.
Server:      127.0.0.53
Address:     127.0.0.53#53

Non-authoritative answer:
Name:   myloadbalance.ttn-internal.com
Address: 18.213.28.196
myloadbalance.ttn-internal.com canonical name = nlb-wp-ayush-d0d5b8f48079f1a4.elb.us-east-1.amazonaws.com.

ubuntu@ip-10-0-2-177:~$
```

```
ubuntu@ip-10-0-2-177:~$ dig myloadbalance.ttn-internal.com.

; <<>> DiG 9.11.3-ubuntu1.11-Ubuntu <<>> myloadbalance.ttn-internal.com.
;; global options: +cmd
;; Got answer:
;; ->HEADER<- opcode: QUERY, status: NOERROR, id: 49664
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 65494
;; QUESTION SECTION:
;myloadbalance.ttn-internal.com.      IN      A

;; ANSWER SECTION:
myloadbalance.ttn-internal.com. 10 IN CNAME nlb-wp-ayush-d0d5b8f48079f1a4.elb.us-east-1.amazonaws.com.
nlb-wp-ayush-d0d5b8f48079f1a4.elb.us-east-1.amazonaws.com. 59 IN A 18.213.28.196

;; Query time: 94 msec
;; SERVER: 127.0.0.53#53(127.0.0.53)
;; WHEN: Sun Mar 01 12:24:04 UTC 2020
;; MSG SIZE rcvd: 143

ubuntu@ip-10-0-2-177:~$
```

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

Create bucket

1

Name and region

2

Configure options

3

Set permissions

4

Review

Name and region

Bucket name ⓘ

ayush-s3

Region

US East (N. Virginia)

Copy settings from an existing bucket

Select bucket (optional)69 Buckets

Create

Cancel

Next

Create bucket

✓

Name and region

✓

Configure options

3

Set permissions

4

Review

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to all your S3 buckets and objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to your buckets or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)

☒ Block all public access

Turning this setting on is the same as turning on all four settings below. Each of the following settings are independent of one another.

☐ Block public access to buckets and objects granted through new access control lists (ACLs)

S3 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resources using ACLs.

☐ Block public access to buckets and objects granted through any access control lists (ACLs)

S3 will ignore all ACLs that grant public access to buckets and objects.

☐ Block public access to buckets and objects granted through new public bucket or access point policies

S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any existing policies that allow public access to S3 resources.

Previous

Next

A policy defines the AWS permissions that you can assign to a user, group, or role. You

Visual editorJSON

```
1 {
2   "Version": "2012-10-17",
3   "Statement": [
4     {
5       "Effect": "Allow",
6       "Action": [
7         "s3:Get*",
8         "s3:List*"
9       ],
10      "Resource": [
11        "arn:aws:s3:::ayush-s3",
12        "arn:aws:s3:::ayush-s3/*"
13      ]
14    }
15  ]
16 }
```

Create role

1 2 3 4

Review

Provide the required information below and review this role before you create it.

Role name* Use alphanumeric and '+=, @-_' characters. Maximum 64 characters.

Role description Maximum 1000 characters. Use alphanumeric and '+=, @-_' characters.

Trusted entities AWS service: ec2.amazonaws.com

Policies  AmazonS3ReadOnlyAccess [↗](#)

Permissions boundary Permissions boundary is not set

* Required

Cancel

Previous

Create role

Attach/Replace IAM Role

Select an IAM role to attach to your instance. If you don't have any IAM roles, choose Create new IAM role to create a role in the IAM console. If an IAM role is already attached to your instance, the IAM role you choose will replace the existing role.

Instance ID i-032624a89dbf54d13 (nginx-ALB-1) ⓘ

IAM role* ⓘ [↻](#) [Create new IAM role ⓘ](#)

* Required

ayush-s3

Overview


Properties

Permissions

Management

Access points




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

 Upload Create folder

Download

Actions ▾

US East

<input type="checkbox"/> Name ▾	Last modified ▾	Size ▾	Storage c
<input type="checkbox"/>  Mongo-DB.txt	Mar 1, 2020 6:17:58 PM GMT+0530	1.1 KB	Standard
<input type="checkbox"/>  codecommit	Mar 1, 2020 6:17:22 PM GMT+0530	1.6 KB	Standard
<input type="checkbox"/>  sample.war	Mar 1, 2020 6:17:37 PM GMT+0530	4.5 KB	Standard

```
ubuntu@ip-10-0-1-233:~$ aws s3 ls s3://ayush-s3/
2020-03-01 12:47:58      1089 Mongo-DB.txt
2020-03-01 12:47:22      1675 codecommit
2020-03-01 12:47:37      4606 sample.war
ubuntu@ip-10-0-1-233:~$ aws s3 cp s3://ayush-s3/sample.war .
download: s3://ayush-s3/sample.war to ./sample.war
ubuntu@ip-10-0-1-233:~$ ls
sample.war
ubuntu@ip-10-0-1-233:~$
```

```
ubuntu@ip-10-0-1-233:~$ ls
file.txt hello.txt sample.war
ubuntu@ip-10-0-1-233:~$ aws s3 cp file.txt s3://ayush-s3/
upload failed: ./file.txt to s3://ayush-s3/file.txt seek() takes 2 positional arguments but 3 were
given
ubuntu@ip-10-0-1-233:~$
```

```
ubuntu@ip-10-0-1-233:~$ aws s3 ls s3://ayush-s3
2020-03-01 12:47:58      1089 Mongo-DB.txt
2020-03-01 12:47:22      1675 codecommit
2020-03-01 12:47:37      4606 sample.war
ubuntu@ip-10-0-1-233:~$ aws s3 rm s3://ayush-s3/sample.war --recursive
ubuntu@ip-10-0-1-233:~$ aws s3 ls s3://ayush-s3
2020-03-01 12:47:58      1089 Mongo-DB.txt
2020-03-01 12:47:22      1675 codecommit
2020-03-01 12:47:37      4606 sample.war
ubuntu@ip-10-0-1-233:~$
```