

⑦

The ec2 stopped state indicates that an instance is shut down and cannot be used. Basically it is temporary ~~shown~~ shut down for when you're not using an instance, but you will need it later. The attached bootable EBS volume will not be deleted.

Here are few things when how instances behave.

• Host Computers - After being stopped, once restarted an instance will move to a new host computer.

IP Address:-

IPv4 Address - Instances keep their IPv4 address when restarted, it will get a new public IPv4 address.

RAM:-

RAM is created when stopped.

Root device volume:-

The volume attached to the instance is preserved.

⑧ These steps required to recover access to your EC2 instance after losing your key pair.

- Gather Config details of the original (target) instance.
- power off the original (target) EC2 instance of which you want to regain access.
- launch new (Recovery) instance and generate new key pair.
- login via ssh to the new Recovery instance.

- Detach the Primary EBS volume from the original instance.
- Attach the previously detached volume to the new (Recovery) instance.
- copy Authorized Keys from recovery instance and to the mounted (target) volume.
- unmount target volume from Recovery instance and reattach back to original instance using configs noted earlier.
- start the original instance and login with new key pair.
- Delete temporary (Recovery) instance.

#### ④ Hosting Static website on Amazon S3

Step ①:- create bucket

after creating the S3 bucket.

Step ②:- Enable website hosting.

• select your bucket that you want to choose to host your static website.

• click on the properties tab.

• click on option "static website hosting" & then choose "use the bucket to host a website."

Step ③:- Index Documents & Folders.

Step ④:- Configuring errors

we can configure the error page at the time of enabling the static website hosting.

Step ⑤:- website access permission

Important step for Amazon S3-hosting

write the code below Jason object of your bucket policy editor & save it.



```
{
  "Version":
  !
  "2019-2-05"
  /
  "Statement"
  : [ {
    "Nix"
    !
    "Allow public Read"
    /
    "effect"
    : "Allow"
    ! "AWS"
    :
    " "
  }
  "Action"
  !
  "S3 CreateObject"
  : "Resource"
  :
  "arn:aws:s3:::Tourwalk/*"
  } ] }
```

Step 6 :- Traffic logging.

This will log each and every Request coming to your website.

⑥

DDoS attacks are attempts by a malicious actor to flood a Network, System or application with more traffic, connections or requests than it is able to handle. To protect your web application against DDoS attacks, you can use AWS Shield, A DDoS protection services that AWS provides automatically to all AWS customers at no additional charge. We can use AWS Shield in conjunction with DDoS-resilient web services such as Amazon CloudFront, Amazon Route 53 to improve our ability to defend resiliency by reading the AWS best practices DDoS Resiliency whitepapers.

~~you~~<sup>we</sup> also have the option of using Route 53 with an externally hosted CDN

~~you will use three~~

we will use three AWS services in the walkthrough to build your zone apex to external CDN distribution redirect.

Route 53 · S3 · CloudFront.



### ③ AWS Console

This is the easiest way to manage Resources on AWS you can log in with the user you created above. let's copy the URL for the user login from the Root account. Copy the Console sign in link with from the security credentials tab.

### AWS CLI

It is a unified tool we log out of your root account and log back in with user. let's go to the S3 service and see all the buckets and create one. This is a very easy process

### AWS CLI

It is a unified tool to manage your AWS services. with just one tool to download and configure you can control multiple AWS services from the Command line

- \* We need to install AWS CLI on our laptop.
- \* We need to configure our AWS CLI for the user
- \* Now we can use any services we have access to

### AWS SDK

AWS has tools for developing & managing application. AWS.

AWS SDK allows you to programmatically manage services. AWS on AWS. AWS provides SDK for several programming languages

Nikhil

1860030

DATE

--	--	--	--	--	--	--

③

a) cloud watch, logs.

b) SNS (Simple Notification Service)