Role creation:

[] in iam select roles and create role

[] select AWS service and select EC2

[] in **Use cases for other AWS services: select EC2**

[] next

[] select which police want to attach

[] next

[] give which name in role name and create role

S3 creation:

[]

# To Grant Access To Only One S3 Bucket Using AWS IAM Policy

{

"Version": "2012-10-17",

"Statement": [

{

"Effect": "Allow",

"Action": [

"s3:GetBucketLocation",

"s3:ListAllMyBuckets"

],

"Resource": "arn:aws:s3:::\*"

},

{

"Effect": "Allow",

"Action": [

"s3:PutObject",

"s3:GetObject",

"s3:AbortMultipartUpload",

"s3:ListBucket",

"s3:DeleteObject",

"s3:GetObjectVersion",

"s3:ListMultipartUploadParts",

"s3:PutObjectAcl",

"s3:GetBucketVersioning",

"s3:GetBucketTagging"

],

"Resource": [

"arn:aws:s3:::productionbucket11",

"arn:aws:s3:::productionbucket11/\*"

]

}

]

}

To create Policies

[] in **IAM**

[] select **policies** and **create policy** and **click JSON**

[] **paste code**

[] **nex**t and **policy name** and **create policy**

[] in **IAM** select **users / user group**

[] **select which user want to create policy** or if u want to create user create

[] in **permissions policies** select **add permissions**

[] select **attach polices directly**

[] **select** which police we created

[] **next** and **add permission**

[] check s3, which s3 we mention in above that s3 have permission to access, remain s3 we saw that bucket but we don’t have permission to access

## [] we need to enable s3 **Bucket Versioning,** when we enable we get deleted files (like recycle bin)

[] to enable bucket versioning

[] go to s3 and open the created bucket, select properties in that select **Bucket Versioning and edit enable and save**

Police for stop and start instances :

{

"Version": "2012-10-17",

"Statement": [

{

"Effect": "Allow",

"Action": "ec2:DescribeInstances",

"Resource": "\*"

},

{

"Effect": "Allow",

"Action": [

"ec2:StartInstances",

"ec2:StopInstances"

],

"Resource": "arn:aws:ec2:us-east-1:165271113309:instance/i-0b2ee5e9b18f6001e"

}

]

}