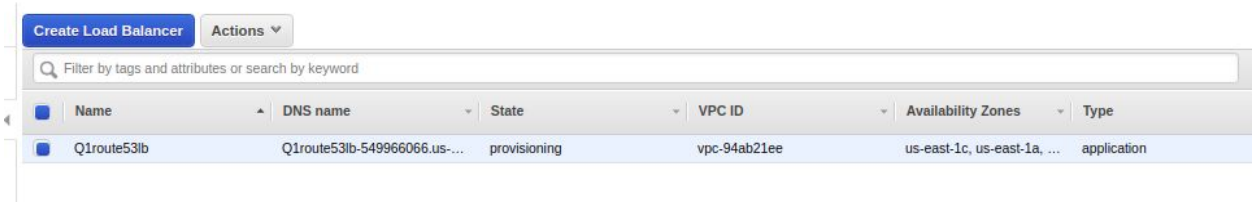
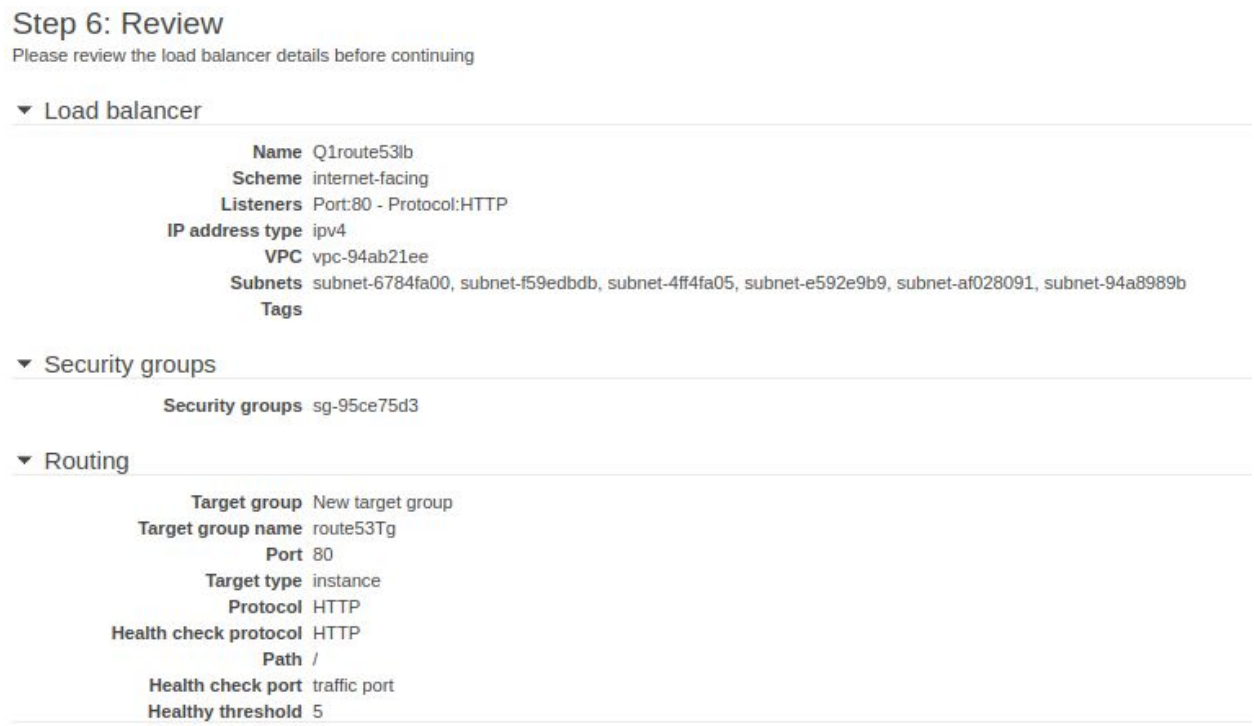
ASSESSMENT ON S3, ROUTE53 AND DNS

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.

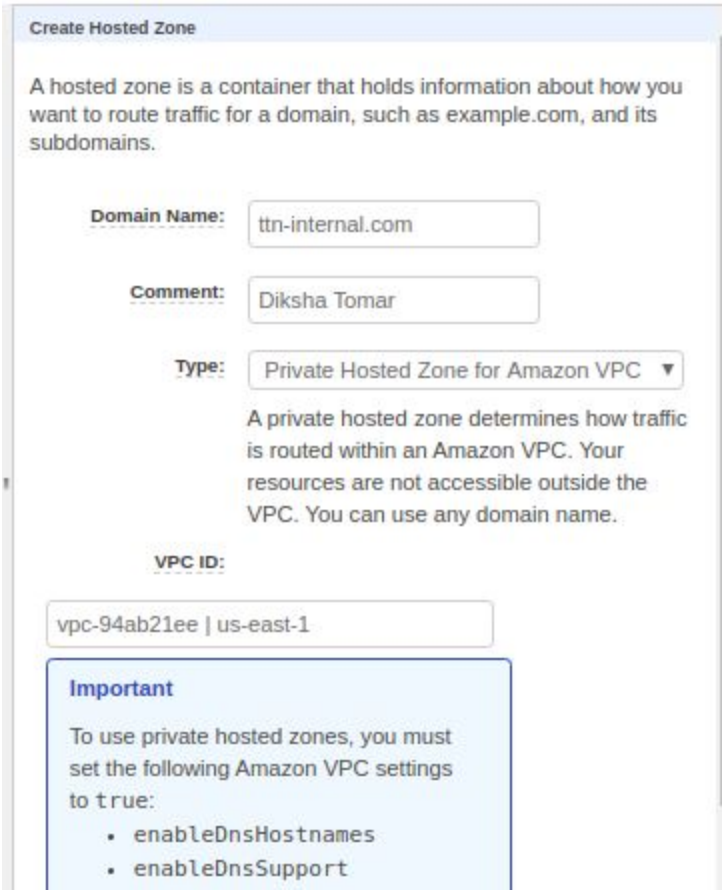
STEP 1:Create a load balancer

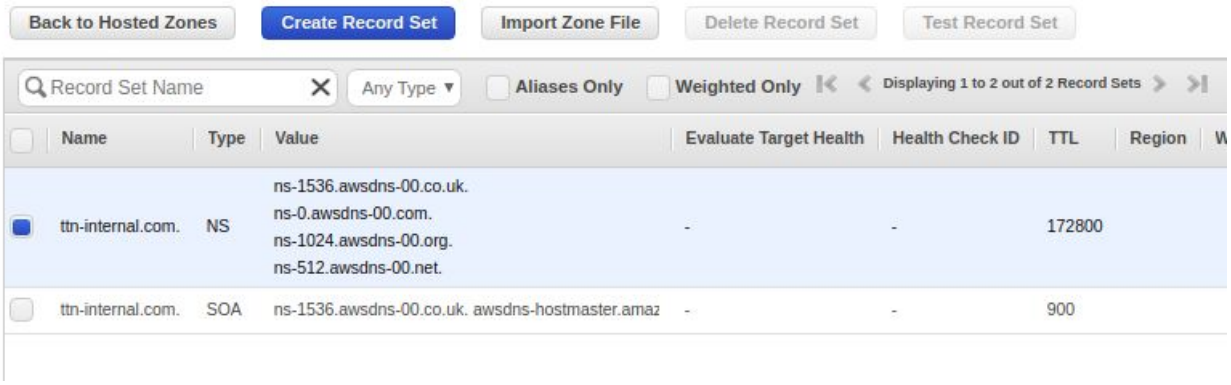


STEP 2: Attach the instance to load balancer in vpc(default)

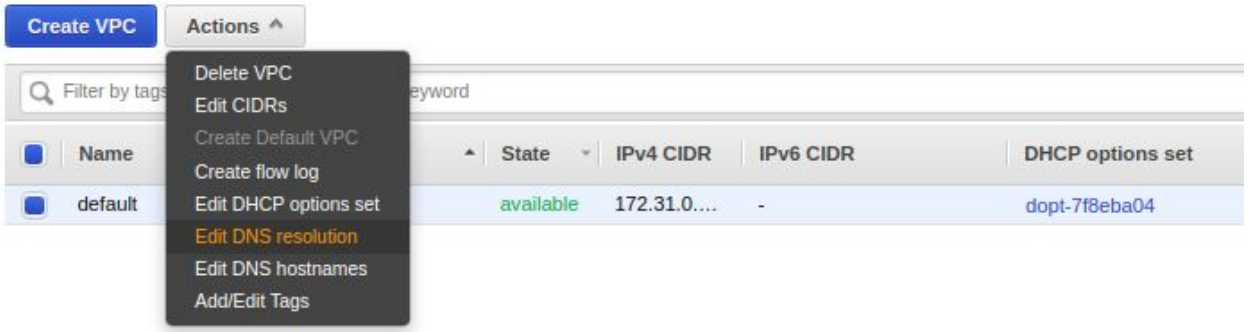


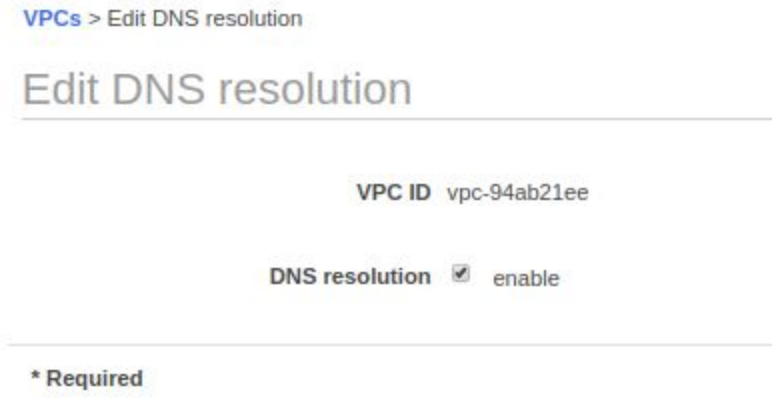
STEP 3: Create a private Hosted Zone named "ttn-internal.com" in Route53



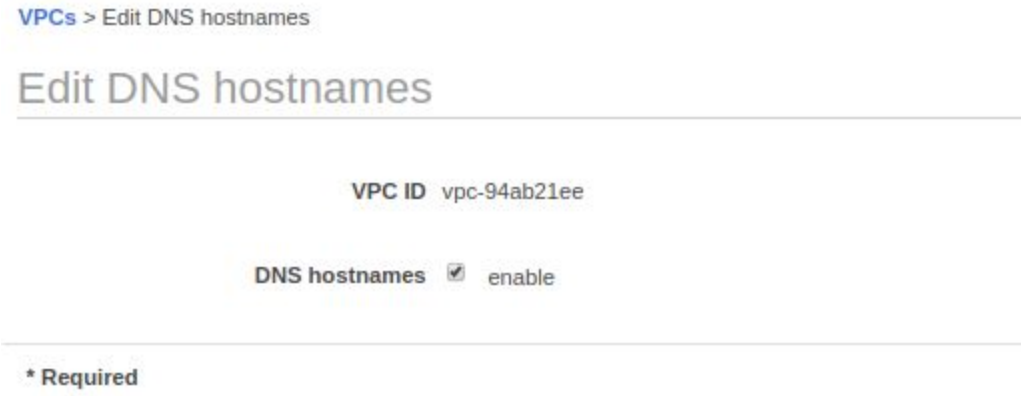


STEP 4: Enable DNS Resolution in VPC

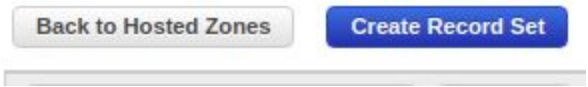


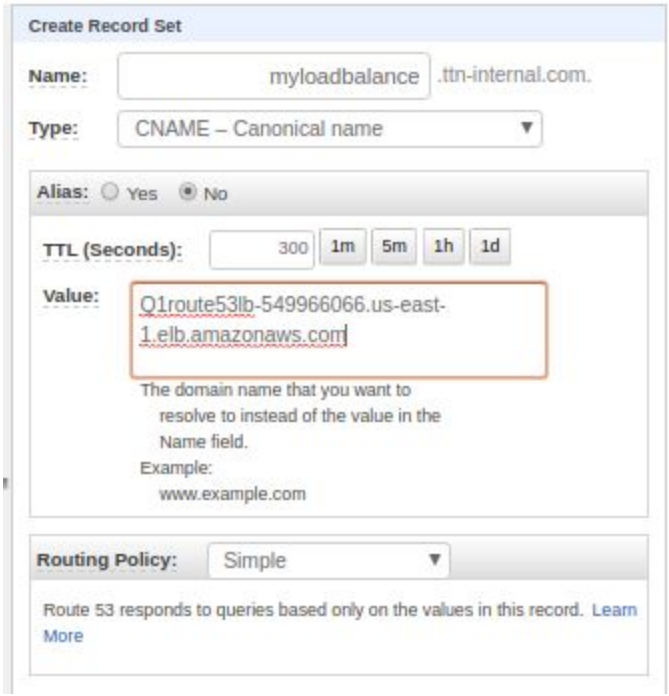


STEP 5: EnableDNS Hostname in VPC



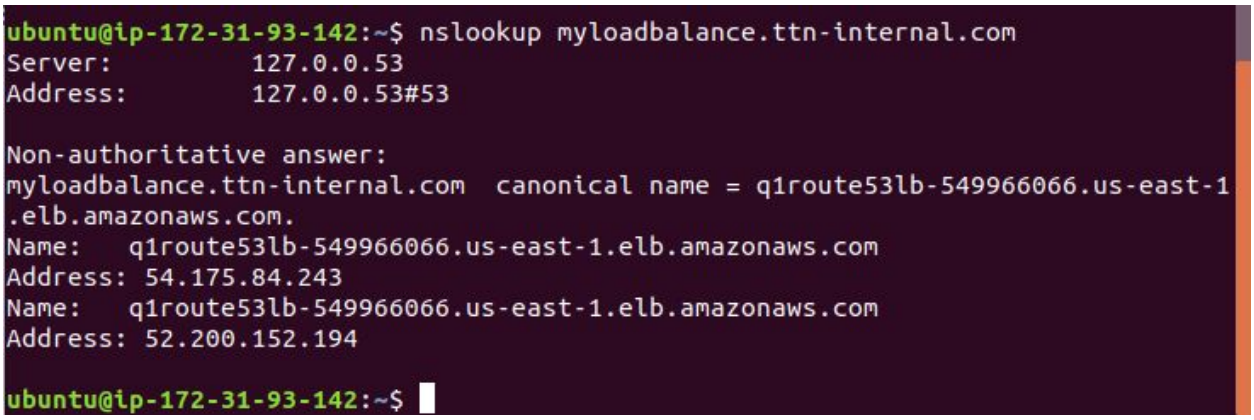
STEP 6: Route53 > Create Record Set





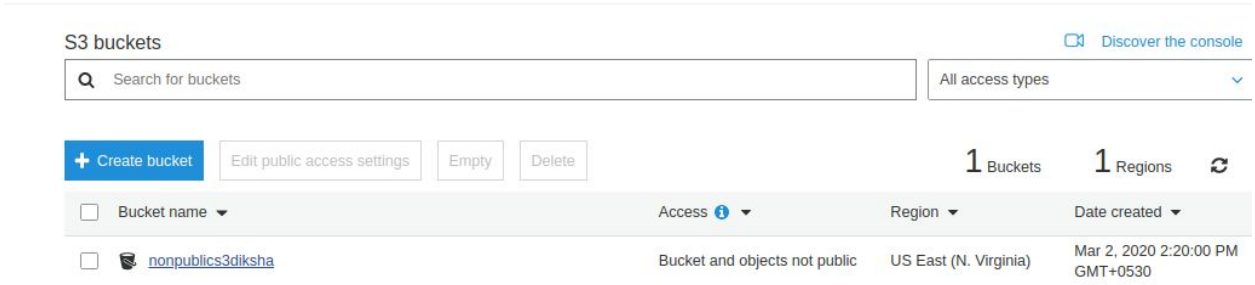
STEP 7: SSH into your instance and then run nslookup command

*nslookup (name server lookup) is a tool used to perform DNS lookups in Linux. It is used to display DNS details, such as the IP address of a particular computer, the MX records for a domain or the NS servers of a domain.

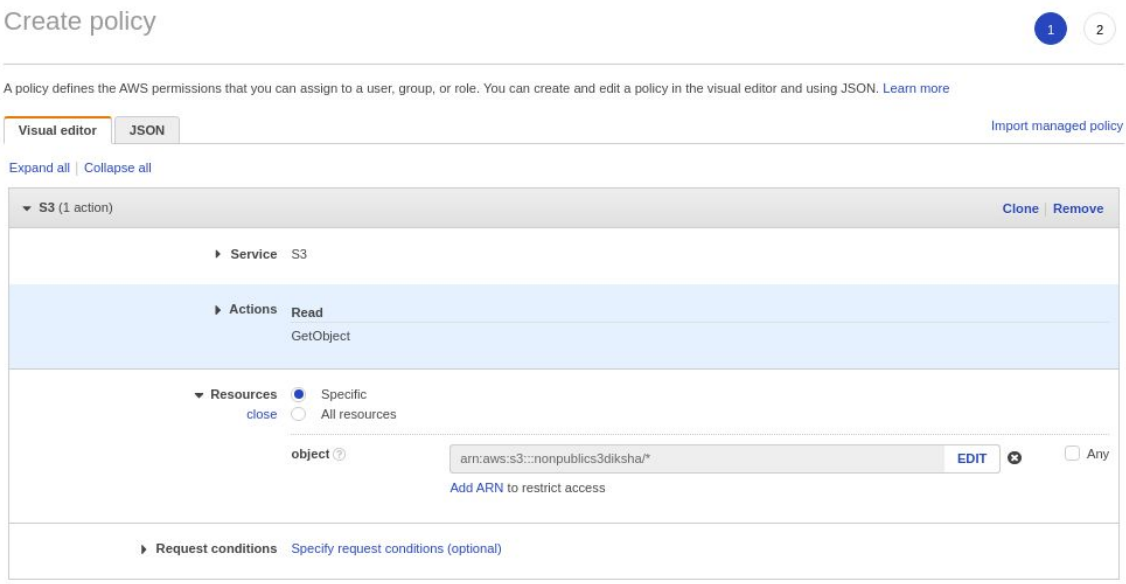


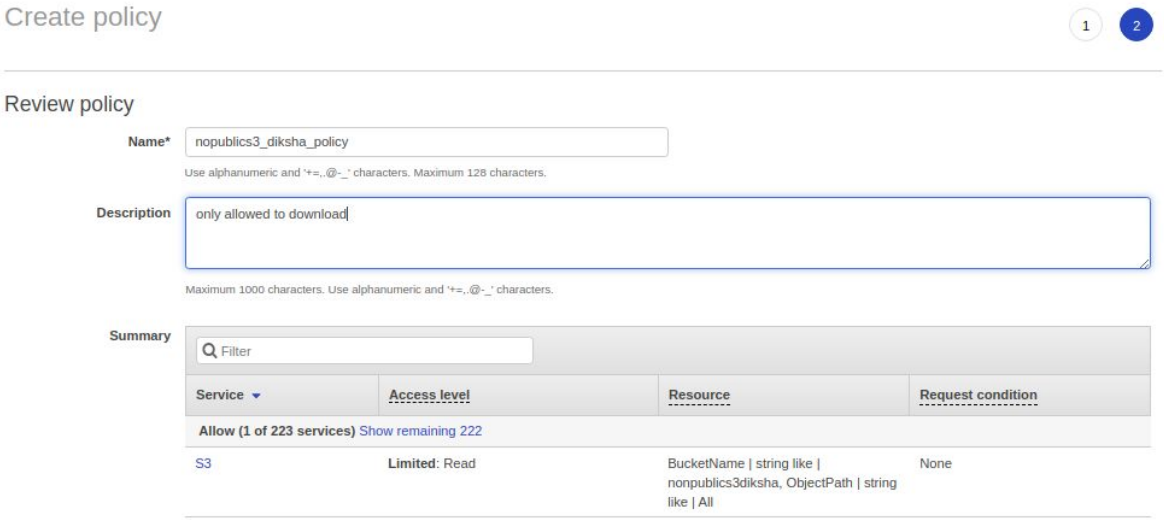
2) Create a non-public S3 bucket and give appropriate permissions to a server to download objects from the bucket but not to put or delete anything in it.

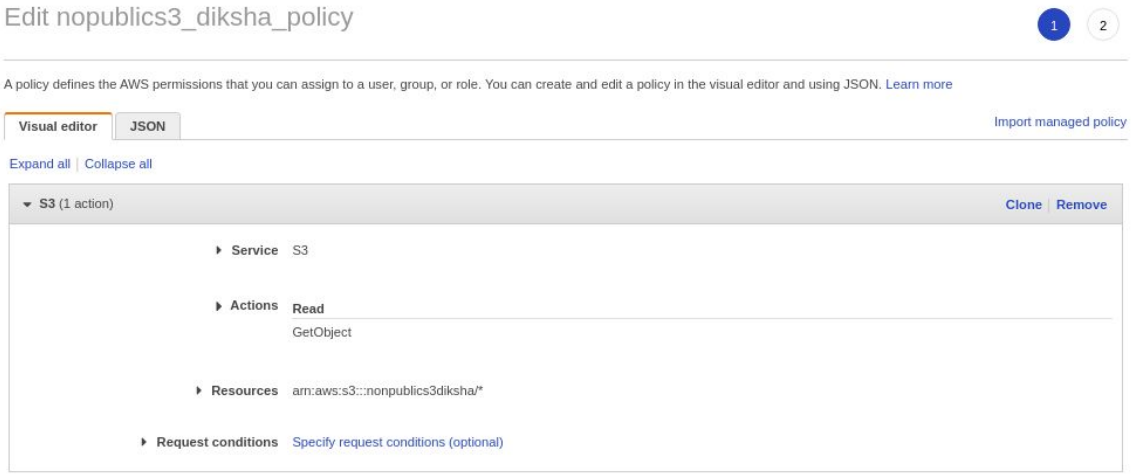
STEP 1: Create a S3 bucket with no public access



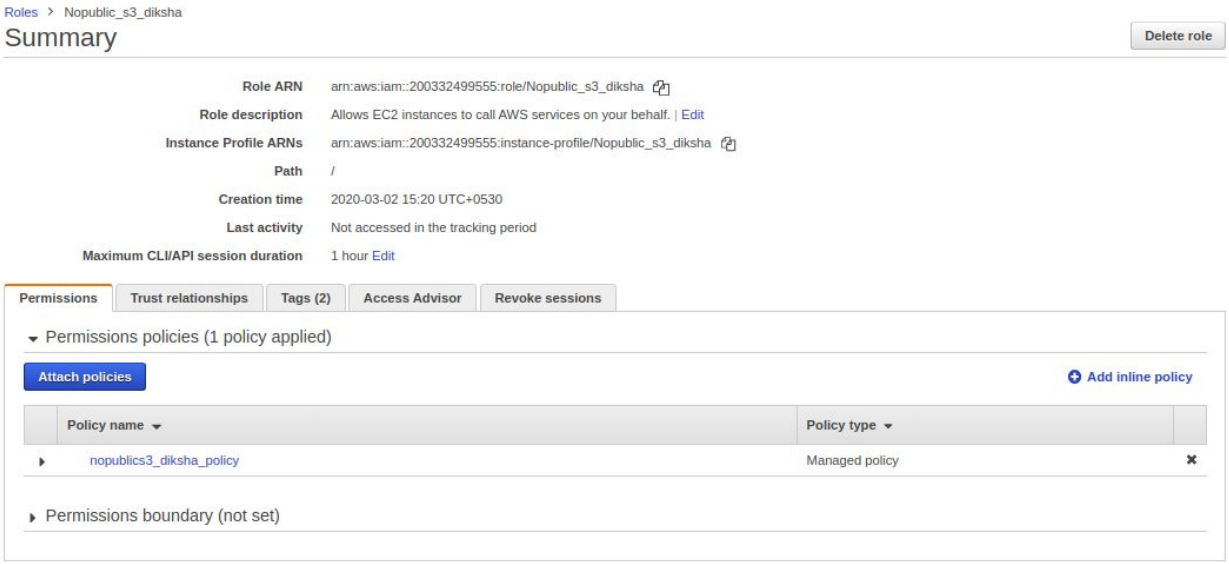
STEP 2: Create a policy



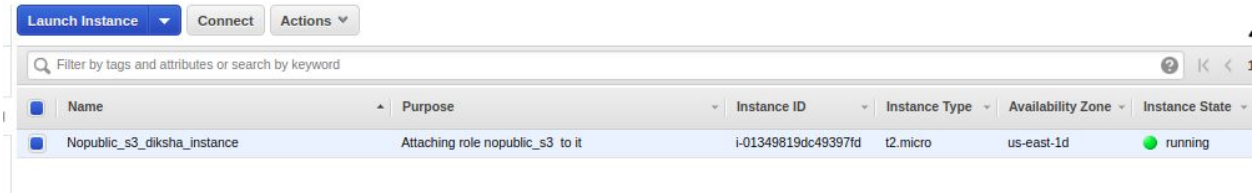


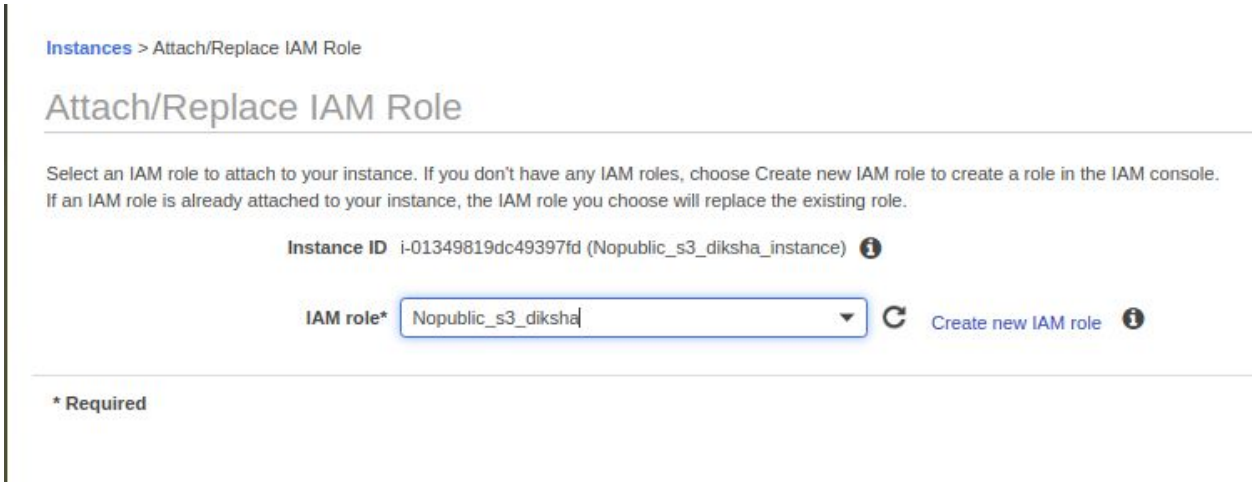


STEP 3 : Create a role and attach the above policy

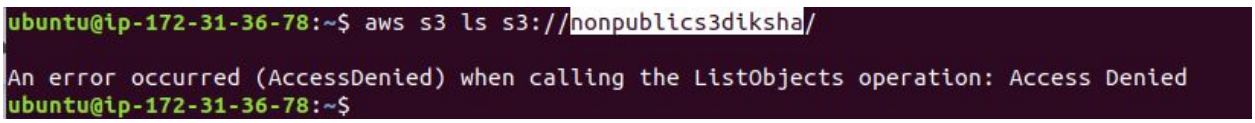


STEP 4: Attach it to your instance





STEP 5: Is into your s3 bucket. You will see that access is denied



STEP 6: Download the object from that bucket and you will be allowed to do so.