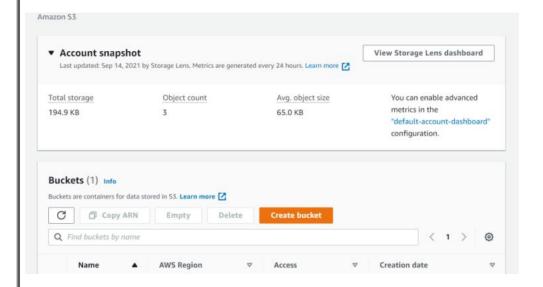
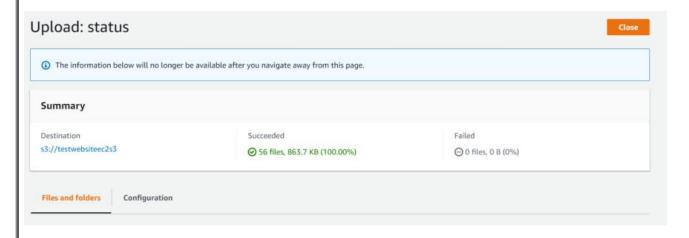
Launching a website on EC2 instance with S3 for static content and ALB and ASG for load balancing and auto-scaling respectively

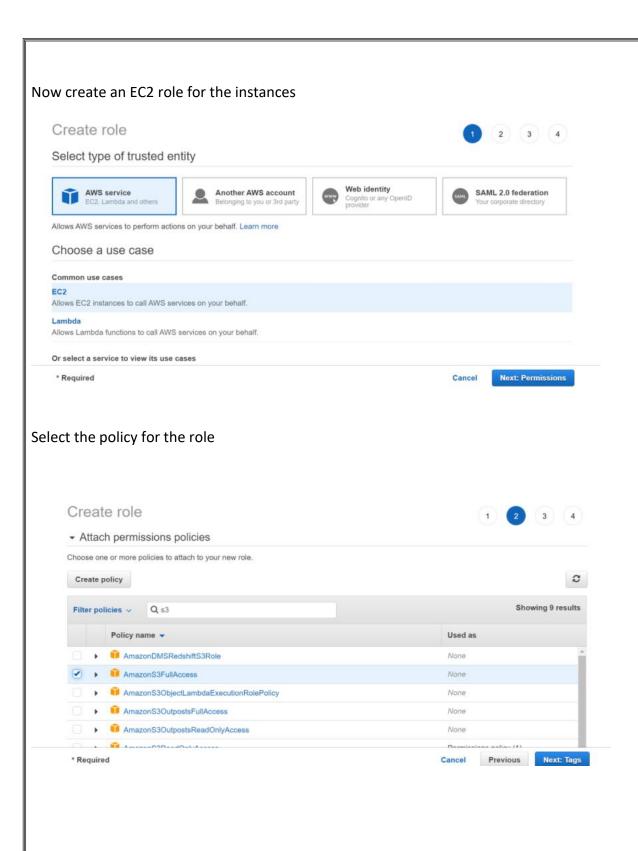
By: Rohit Sah

Create an S3 bucket first

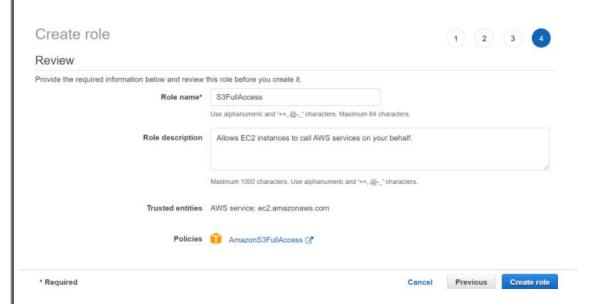


Upload the files in the s3 bucket

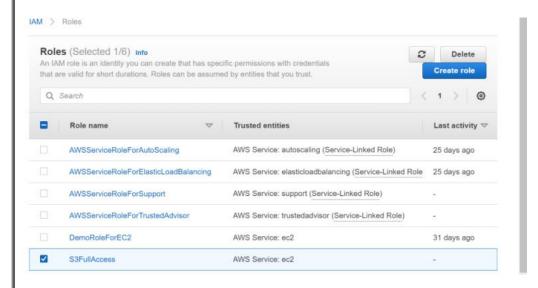




Give a name to the role

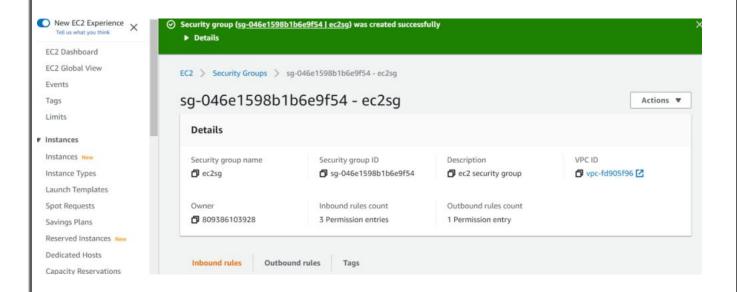


We can see that the role has been created



Now we create a security group Create security group 🖦 Basic details ec2 security group Q vpc-fd905f96 Inbound rules Info ▼ TCP 22 Delete 0.0.0.0/0 🗙 O, ▼ TCP 80 Delete HTTP 0.0.0.0/0 🗙 Anywhere-... ▼ Q ▼ TCP 443 Delete HTTPS 0.0.0.0/0 🗙

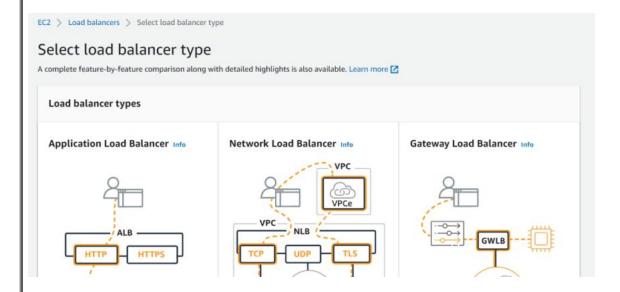
We can see that the security group has been created

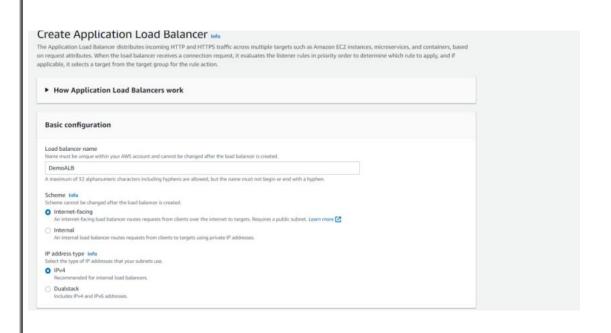


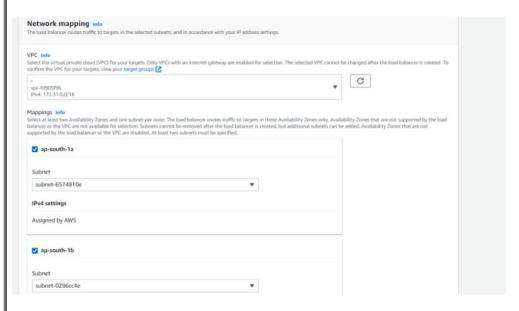
Now we create a key pair

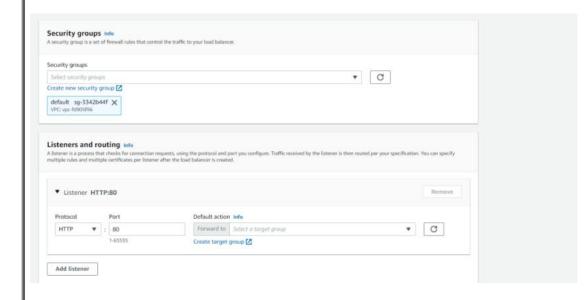


Now we create a ALB

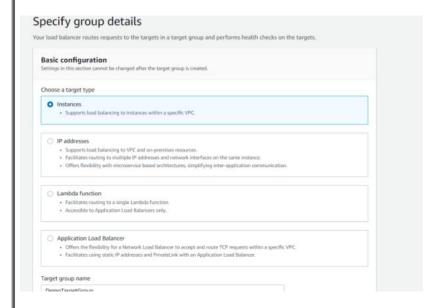




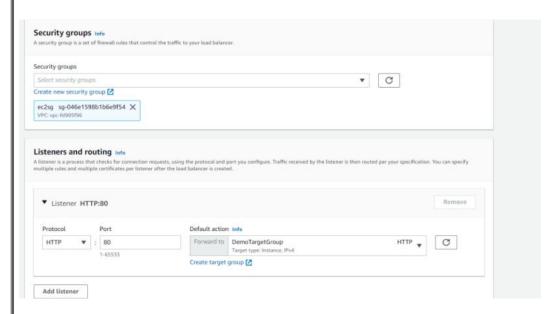




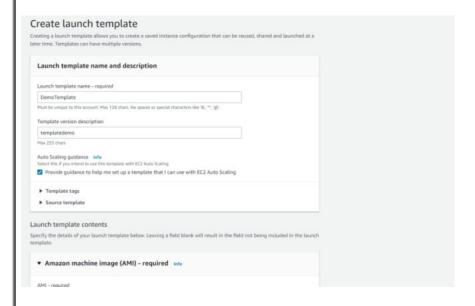
Create a target group for the ALB

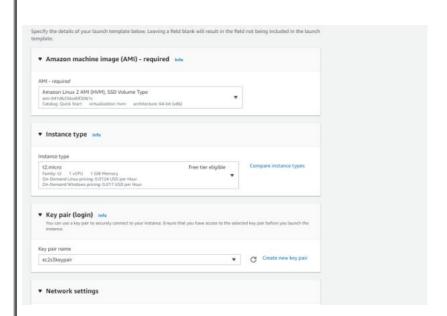


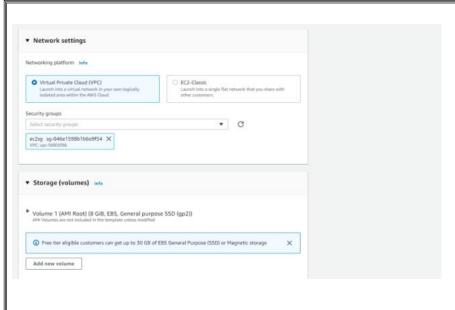
Configure the ALB

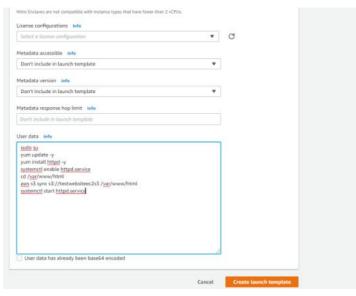


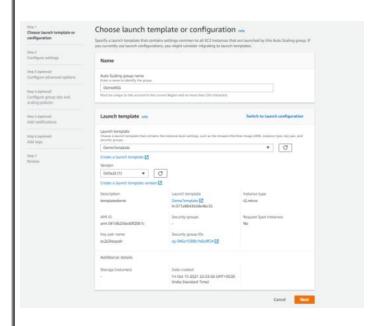
Create an ASG for the application

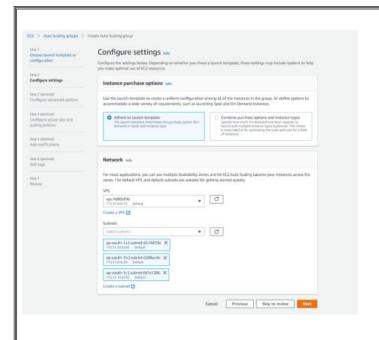


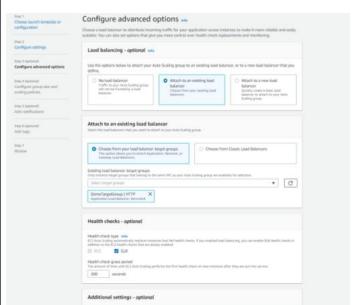


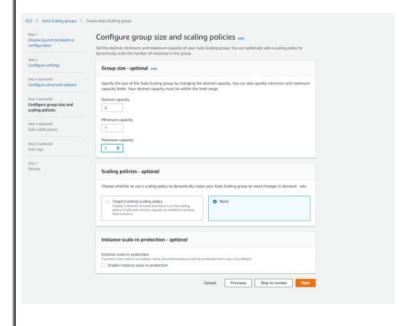


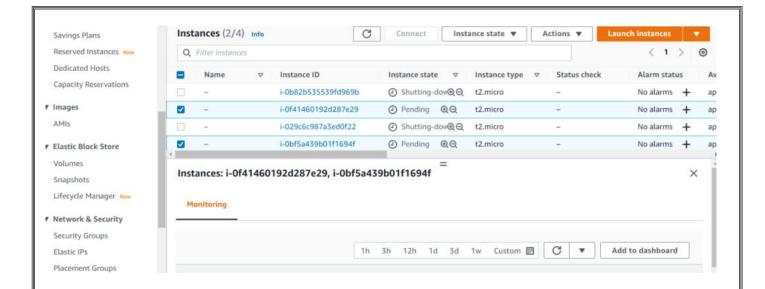




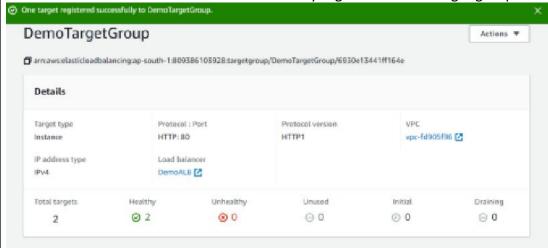








We can see that the instances are automatically registered in the target group



Now visit the ip of the instance and we can see that the website is launched with ALB and ASG fully functioning

