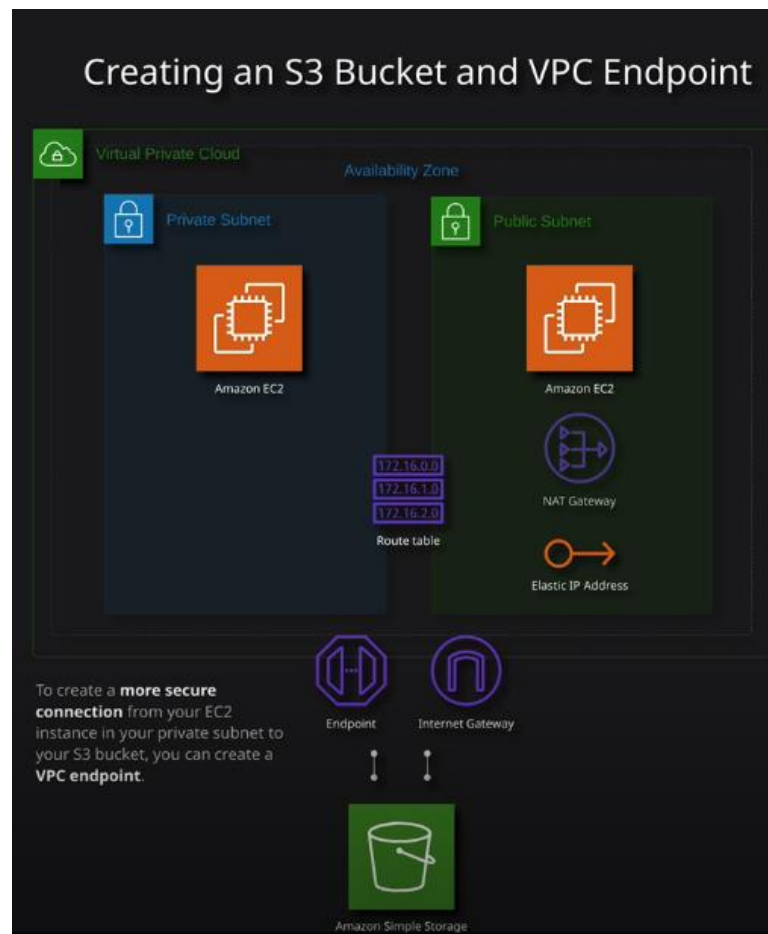


Description

In this Hands-on lab we will create a VPC endpoint and an S3 bucket, to illustrate the benefits available to our cloud implementations.

VPC Endpoints can be used, instead of NAT Gateways, to provide access to AWS resources. Many customers have legitimate privacy and security concerns about sending and receiving data across the public internet.

VPC endpoints for S3 can alleviate these challenges by using the private IP address of an instance to access S3 with no exposure to the public internet.



Create a VPC Endpoint

Use the AWS Management Console to create an S3 bucket:

From the Management Console, go into **VPC**. Then:

- Click **Endpoints**
 - Click **Create Endpoint**
 - Select the S3 Service
 - Click **Create Endpoint**
-
- Check the Route Table to make sure you see a route using the VPC EndPoint to S3.
 - To verify, let's SSH into the public instance : ssh cloud_user@publicIPaddressofpublicinstance
 - Now let's SSH into the private instance: ssh cloud_user@privateIPaddressofprivateinstance
 - Now run: aws s3 ls and see if you see the S3 buckets in our environment