

Lab-2 Baiston Host and S3 Gateway Endpoint

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VPC Screenshot with Resource tab

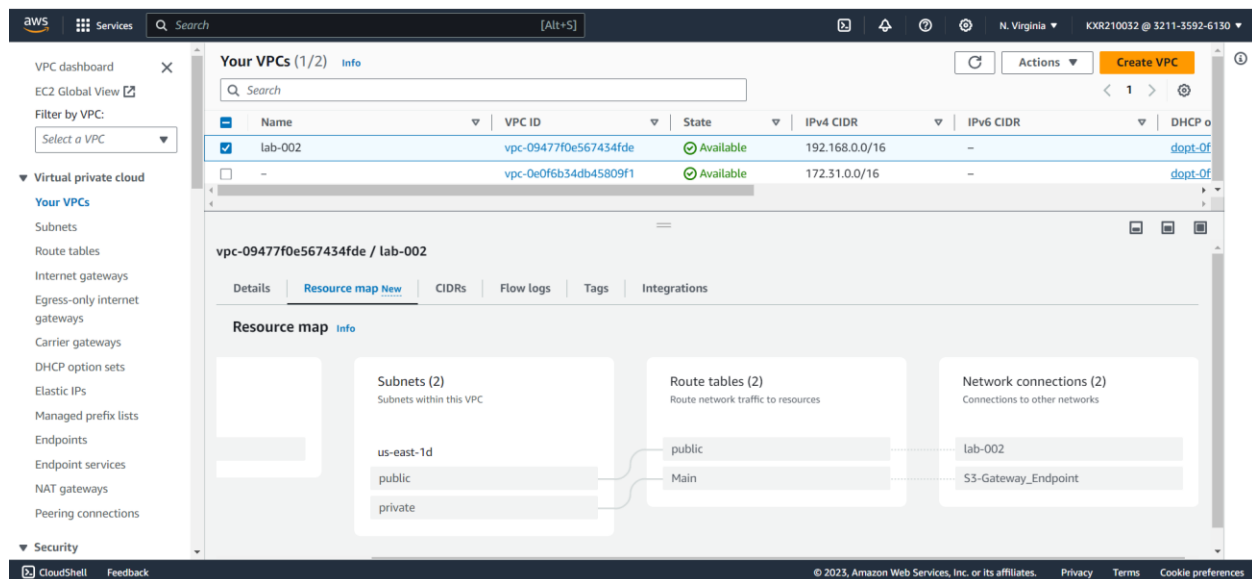


Figure 1 This is a deliverable.

EC2 instance in private subnet

The screenshot shows the AWS VPC Console with two EC2 instances listed. EC2-Instance-A (i-09e9aa0400c85dfa7) is selected. A terminal window is open, showing the SSH session from a local machine to the EC2 instance. The terminal output shows the AWS CLI command to run 'aws config' on the instance.

Name	Instance ID	Instance state
EC2-Instance-B	i-0980260c71e9b7597	Running
EC2-Instance-A	i-09e9aa0400c85dfa7	Running

Instance: i-09e9aa0400c85dfa7 (EC2-Instance-A)

Instance summary

Instance ID	Public IPv4 address	Private IPv4 addresses
i-09e9aa0400c85dfa7 (EC2-Instance-A)	3.80.31.212 open address	192.168.100.71

IPv6 address: -

Hostname type: IP name: ip-192-168-100-71.ec2.internal

Answer private resource DNS name: -

Instance state: **Running**

Private IP DNS name (IPv4 only): ip-192-168-100-71.ec2.internal

Instance type: t2.micro

Elastic IP addresses: -

Figure 2 This is a deliverable.

Instance B with Private IPv4 address for reference to SSH

The screenshot shows the AWS VPC Console with the details for EC2-Instance-B (i-0980260c71e9b7597). The instance is in a running state. The Private IPv4 address is 192.168.200.87. The Public IPv4 address is 3.80.31.212. The instance is running on a t2.micro instance type. The VPC ID is vpc-09477f0e567434fde (lab-002). The Subnet ID is subnet-031571a411a768278 (private). The IAM Role is Required. The IMDSv2 is Required.

Instance summary for i-0980260c71e9b7597 (EC2-Instance-B)

Updated less than a minute ago

Instance ID	Public IPv4 address	Private IPv4 addresses
i-0980260c71e9b7597 (EC2-Instance-B)	-	192.168.200.87

IPv6 address: -

Hostname type: IP name: ip-192-168-200-87.ec2.internal

Answer private resource DNS name: -

Auto-assigned IP address: -

IAM Role: Required

IMDSv2: Required

Instance state: **Running**

Private IP DNS name (IPv4 only): ip-192-168-200-87.ec2.internal

Instance type: t2.micro

VPC ID: vpc-09477f0e567434fde (lab-002) [open address](#)

Subnet ID: subnet-031571a411a768278 (private) [open address](#)

Elastic IP addresses: -

AWS Compute Optimizer finding: [Opt-in to AWS Compute Optimizer for recommendations.](#) [Learn more](#)

Auto Scaling Group name: -

Configuring AWS CLI, created test file (test1.txt)

```
ec2-user@ip-192-168-200-87:~  
deploy | configservice  
opsworks-cm | history  
cli-dev | help  
  
Invalid choice: 'config', maybe you meant:  
  
* configure  
* appconfig  
  
[ec2-user@ip-192-168-200-87 ~]$ aws configure  
AWS Access Key ID [None]: AKIAUVRJRLNZKUJPNR5M  
AWS Secret Access Key [None]: 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  
Default region name [None]: us-east-1  
Default output format [None]: json  
[ec2-user@ip-192-168-200-87 ~]$ aws s3 ls  
2023-10-10 12:38:22 cf-templates-1fcaq5gmrfuav-us-east-1  
2023-10-12 06:10:51 f23-aws-cli-assignment2023  
2023-11-17 21:44:26 kesh-lab002-bucket  
2023-10-15 21:15:46 keshavglueathena  
2023-09-28 04:20:00 keshlab13s3  
2023-10-14 04:08:50 keshlabs313  
[ec2-user@ip-192-168-200-87 ~]$ nano test1.txt  
[ec2-user@ip-192-168-200-87 ~]$
```

Screenshots of list of all the buckets

The screenshot displays the AWS S3 console interface. At the top, a summary bar shows 'Total storage' as 57.4 MB, 'Object count' as 19, and 'Average object size' as 3.0 MB. Below this, the 'Buckets (6)' section is visible, with a search bar and a table of buckets. The table has columns for 'Name' and 'AWS Region'. The buckets listed are:

Name	AWS Region
cf-templates-1fcaq5gmrfuav-us-east-1	US East (N. Virginia) us-east-1
f23-aws-cli-assignment2023	US East (N. Virginia) us-east-1
kesh-lab002-bucket	US East (N. Virginia) us-east-1
keshavglueathena	US East (N. Virginia) us-east-1
keshlab13s3	US East (N. Virginia) us-east-1
keshlabs313	US East (N. Virginia) us-east-1

An inset terminal window in the bottom right corner shows the following commands and output:

```
Invalid choice: 'config', maybe you meant:  
  
* configure  
* appconfig  
  
[ec2-user@ip-192-168-200-87 ~]$ aws configure  
AWS Access Key ID [None]: AKIAUVRJRLNZKUJPNR5M  
AWS Secret Access Key [None]: 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  
Default region name [None]: us-east-1  
Default output format [None]: json  
[ec2-user@ip-192-168-200-87 ~]$ aws s3 ls  
2023-10-10 12:38:22 cf-templates-1fcaq5gmrfuav-us-east-1  
2023-10-12 06:10:51 f23-aws-cli-assignment2023  
2023-11-17 21:44:26 kesh-lab002-bucket  
2023-10-15 21:15:46 keshavglueathena  
2023-09-28 04:20:00 keshlab13s3  
2023-10-14 04:08:50 keshlabs313  
[ec2-user@ip-192-168-200-87 ~]$ nano test1.txt  
[ec2-user@ip-192-168-200-87 ~]$ aws s3 ls  
2023-10-10 12:38:22 cf-templates-1fcaq5gmrfuav-us-east-1  
2023-10-12 06:10:51 f23-aws-cli-assignment2023  
2023-11-17 21:44:26 kesh-lab002-bucket  
2023-10-15 21:15:46 keshavglueathena  
2023-09-28 04:20:00 keshlab13s3  
2023-10-14 04:08:50 keshlabs313  
[ec2-user@ip-192-168-200-87 ~]$
```

Figure 3 This is a deliverable.

Listing objects of bucket I created in this lab

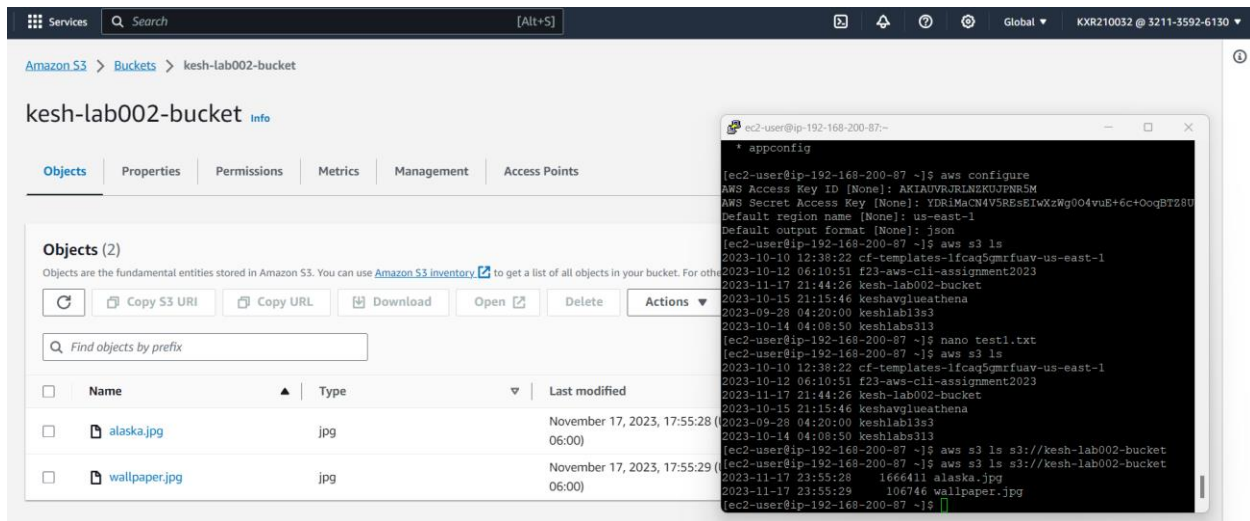


Figure 4 This is a deliverable.

Uploading file to the bucket

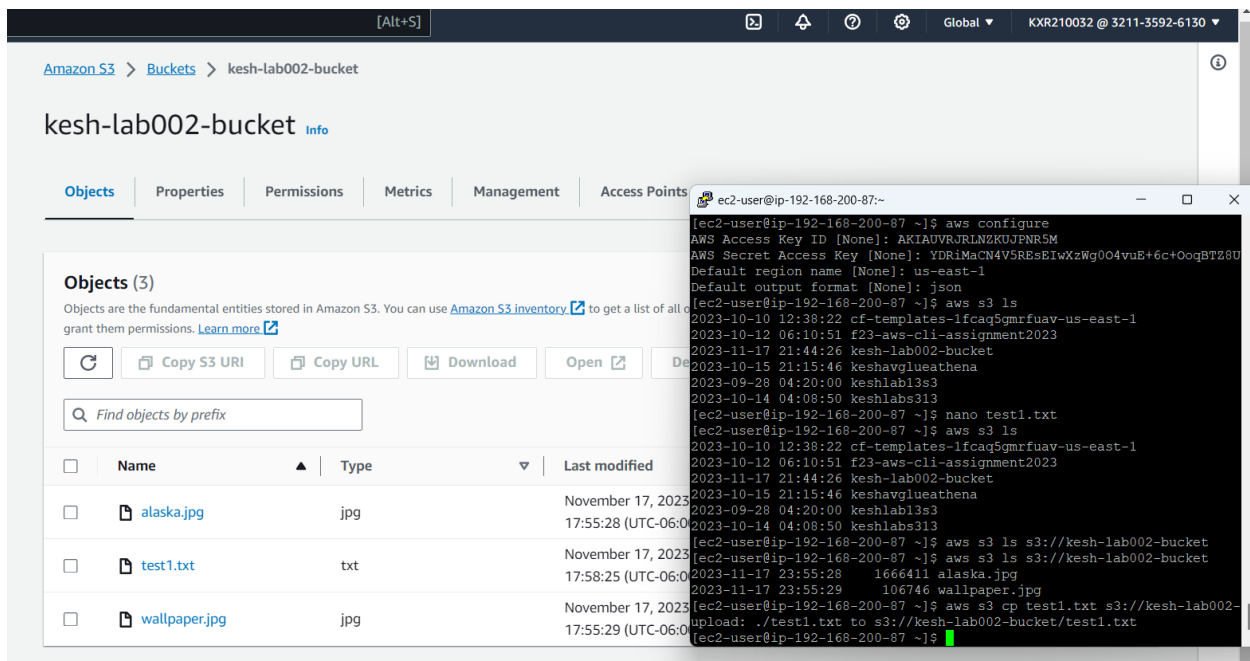


Figure 5 This is a deliverable.

Downloading the file created

The screenshot shows the Amazon S3 console interface for the bucket 'kesh-lab002-bucket'. The 'Objects' tab is selected, displaying a list of objects. A terminal window is overlaid on the console, showing the execution of several AWS CLI commands to create and manage files in the bucket.

Amazon S3 Console: kesh-lab002-bucket

Objects (3)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to grant them permissions. [Learn more](#)

<input type="checkbox"/>	Name	Type	
<input type="checkbox"/>	alaska.jpg	jpg	
<input type="checkbox"/>	test1.txt	txt	
<input type="checkbox"/>	wallpaper.jpg	jpg	November 17, 2023, 17:55:29 (UTC-06:00) 104.2 KB Standard

Terminal Output:

```
ec2-user@ip-192-168-200-87:~$ AWS Access Key ID [None]: AKIAUVRJRLNZKJUPNR5M
AWS Secret Access Key [None]: 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
Default region name [None]: us-east-1
Default output format [None]: json
[ec2-user@ip-192-168-200-87 ~]$ aws s3 ls
2023-10-10 12:38:22 cf-templates-lfcaq5gmrfuav-us-east-1
2023-10-12 06:10:51 f23-aws-cli-assignment2023
2023-11-17 21:44:26 kesh-lab002-bucket
2023-10-15 21:15:46 keshavglueathena
2023-09-28 04:20:00 keshlab13s3
2023-10-14 04:08:50 keshlabs313
[ec2-user@ip-192-168-200-87 ~]$ nano test1.txt
[ec2-user@ip-192-168-200-87 ~]$ aws s3 ls
2023-10-10 12:38:22 cf-templates-lfcaq5gmrfuav-us-east-1
2023-10-12 06:10:51 f23-aws-cli-assignment2023
2023-11-17 21:44:26 kesh-lab002-bucket
2023-10-15 21:15:46 keshavglueathena
2023-09-28 04:20:00 keshlab13s3
2023-10-14 04:08:50 keshlabs313
[ec2-user@ip-192-168-200-87 ~]$ aws s3 ls s3://kesh-lab002-bucket
[ec2-user@ip-192-168-200-87 ~]$ aws s3 ls s3://kesh-lab002-bucket
2023-11-17 23:55:28 1666411 alaska.jpg
2023-11-17 23:55:29 106746 wallpaper.jpg
[ec2-user@ip-192-168-200-87 ~]$ aws s3 cp test1.txt s3://kesh-lab002-bucket
upload: ./test1.txt to s3://kesh-lab002-bucket/test1.txt
[ec2-user@ip-192-168-200-87 ~]$ aws s3 cp s3://kesh-lab002-bucket/test1.txt
download: s3://kesh-lab002-bucket/test1.txt to ./test1-copied-back.txt
[ec2-user@ip-192-168-200-87 ~]$
```

Figure 6 This is a deliverable