

Vpc task03

Configure VPC endpoints to securely access AWS services without internet gateways or NAT gateways, ensuring data privacy and minimizing exposure to external threats.

The screenshot displays two panels from the AWS Management Console. The top panel, titled 'Subnets (1/7)', shows a list of subnets. The bottom panel, titled 'Route tables (1/2)', shows a list of route tables.

Subnets (1/7)

Name	Subnet ID	State	VPC	IPv4
pub-sub	subnet-081c6c7d429f5bf99	Available	vpc-0f2c7d986c9654f78	172.31.0.0/24
my-pri	subnet-0dd74f8669a56b3df	Available	vpc-0f2c7d986c9654f78	172.31.0.0/24
-	subnet-076ce22843145fc2d	Available	vpc-0f2c7d986c9654f78	172.31.0.0/24
-	subnet-026d526737b4310b8	Available	vpc-0f2c7d986c9654f78	172.31.0.0/24
-	subnet-055993eaae2bf9ced	Available	vpc-0f2c7d986c9654f78	172.31.0.0/24
-	subnet-06bc455471fc5dacc	Available	vpc-0f2c7d986c9654f78	172.31.0.0/24

Route tables (1/2)

Name	Route table ID	Explicit subnet associ...	Edge associations	Main
my-pri	rtb-01abf3a713b9c4c2b	subnet-0dd74f8669a56b...	-	No
my-pub	rtb-0cddb8be3cb51d607d	-	-	Yes

×

or

Amazon S3

▶ Account snapshot - updated every 24 hours

All AWS Regions

View Storage Lens dashboard

Storage lens provides visibility into storage usage and activity trends. [Learn more](#)

General purpose buckets

Directory buckets

General purpose buckets (1)

Info

All AWS Regions

↻

Copy ARN

Empty

Delete

Create bucket

Buckets are containers for data stored in S3.

Find buckets by name

< 1 > ⚙

	Name ▲	AWS Region ▼	IAM Access Analyzer	Creation date ▼
○	my-s3-rakesh	US East (N. Virginia) us-east-1	View analyzer for us-east-1	November 11, 2024, 18:43:19 (UTC+05:30)

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VPC > Endpoints > Create endpoint

Create endpoint Info

Create the type of VPC endpoint that supports the service, service network or resource to which you want to connect.

Endpoint settings

Specify a name and select the type of endpoint.

Name tag - optional
Creates a tag with a key of 'Name' and a value that you specify. Tags help you find and manage your endpoint.

Type Info
Select a category

☒ **AWS services**
Connect to services provided by Amazon with an interface endpoint, or a Gateway endpoint

☐ **PrivateLink Ready partner services**
Connect to SaaS services which have AWS Service Ready designation with an Interface endpoint. Uses AWS PrivateLink

☐ **AWS Marketplace services**
Connect to SaaS services that you have purchased through AWS Marketplace with an Interface Endpoint

☐ **EC2 Instance Connect Endpoint**
An elastic network interface that allow you to connect to resources in a private subnet

☐ **Endpoint services that use NLBs and GWLBs**
Find services shared with you by service name. Connect to a Network LoadBalancer (NLB) service with an Interface endpoint or to a Gateway LoadBalancer (GWLB) service with a Gateway Load Balancer endpoint

✓ **Successfully created VPC endpoint**
vpce-0f85e2a1d2f9ba659

Endpoints (1/1) Info

☒ **Name**
☒ **VPC endpoint ID**
☒ **Endpoint type**
☒ **Status**

<input checked="" type="checkbox"/>	my-endpoint1	vpce-0f85e2a1d2f9ba659	Gateway	✓ Available
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vpce-0f85e2a1d2f9ba659 / my-endpoint1

[Details](#) | [Route tables](#) | [Policy](#) | [Tags](#)

```
[root@ip-172-31-41-116 ~]# aws configure
AWS Access Key ID [*****ATLW]: AKIASVQKHJSGBOWNATLW
AWS Secret Access Key [*****ncDZ]: 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
Default region name [us-east-01]: us-east-1
Default output format [json]: json
[root@ip-172-31-41-116 ~]# aws s3 ls
2024-11-11 13:13:19 my-s3-rakesh
[root@ip-172-31-41-116 ~]#
```

Private server login

```

[root@ip-172-31-41-116 ~]# aws configure
AWS Access Key ID [*****ATLW]: AKIASVQKHJ5GBOWNATLW
AWS Secret Access Key [*****ncDZ]: 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
Default region name [us-east-01]: us-east-1
Default output format [json]: json
[root@ip-172-31-41-116 ~]# aws s3 ls
2024-11-11 13:13:19 my-s3-rakesh
[root@ip-172-31-41-116 ~]# vi rakesh.pem
[root@ip-172-31-41-116 ~]# chmod 400 rakesh.pem
[root@ip-172-31-41-116 ~]# ssh -i "rakesh.pem" ec2-user@172.31.198.243
The authenticity of host '172.31.198.243 (172.31.198.243)' can't be established.
ECDSA key fingerprint is SHA256:5VfbACaCVisdbpFggK2igMsG4Vi4Z9ATuE71H/q5HLM.
ECDSA key fingerprint is MD5:15:e9:aa:90:7d:db:49:56:e6:9d:39:33:f0:0a:fe:fa.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '172.31.198.243' (ECDSA) to the list of known hosts.
#_
~\##### Amazon Linux 2
~\#####
~\###|
~\#/
~\V~'-'>
~\./
~\./
~\m/'

AL2 End of Life is 2025-06-30.

A newer version of Amazon Linux is available!

Amazon Linux 2023, GA and supported until 2028-03-15.
https://aws.amazon.com/linux/amazon-linux-2023/

[ec2-user@ip-172-31-198-243 ~]$ |

```

Connect to s3

```

ec2-user@ip-172-31-198-243:~
[ec2-user@ip-172-31-198-243 ~]$ aws s3 ls
2024-11-11 13:13:19 my-s3-rakesh
[ec2-user@ip-172-31-198-243 ~]$ |

```