

Your VPCs | VPC Management C X +

us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#vpcs:

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N. Virginia admin_dinesh @ 5199-4199-4052

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New VPC Experience Tell us what you think X

VPC dashboard

EC2 Global View New

Filter by VPC: Select a VPC

Virtual private cloud

Your VPCs

Subnets

Route tables

Internet gateways

Egress-only internet gateways

Carrier gateways

DHCP option sets

Elastic IPs

Managed prefix lists

Endpoints

You successfully created **vpc-0ed788f78d0979a24 / vpc-01**

Your VPCs (1/2) Info

Filter VPCs < 1 > ⚙

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR
<input checked="" type="checkbox"/> vpc-01	vpc-0ed788f78d0979a24	Available	10.0.0.0/16	-
<input type="checkbox"/> -	vpc-07054fdff68e3b731	Available	172.31.0.0/16	-

vpc-0ed788f78d0979a24 / vpc-01

Details CIDRs Flow logs Tags

Details

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Virtual private gateways | VPC M + us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#VpnGateways: N. Virginia admin_dinesh @ 5199-4199-4052

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You successfully attached vgw-069bfa5a20f8f0ed6 / vpgwy to vpc-0ed788f78d0979a24.

Virtual private gateways (1/1) Info Actions Create virtual private gateway

Filter virtual private gateways

Virtual private gateway ID: vgw-069bfa5a20f8f0ed6 X Clear filters

Name	Virtual private gateway ID	State	Type	VPC
vpgwy	vgw-069bfa5a20f8f0ed6	Attaching	ipsec.1	vpc-0ed788f78d0979a2

vgw-069bfa5a20f8f0ed6 / vpgwy Details Tags

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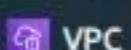
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VPC > Customer gateways > Create customer gateway

Create customer gateway Info

A customer gateway is a resource that you create in AWS that represents the customer gateway device in your on-premises network.

Details

Name tag - optional

Creates a tag with a key of 'Name' and a value that you specify.

Value must be 256 characters or less in length.

BGP ASN Info

The ASN of your customer gateway device.

Value must be in 1 - 2147483647 range.

IP address Info

Specify the IP address for your customer gateway device's external interface.



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Your VPCs

Subnets

Route tables

Internet gateways

Egress-only internet gateways

Carrier gateways

DHCP option sets

Elastic IPs

Managed prefix lists

Endpoints

You successfully created cgw-028d9b5e3e503b550 / cgwy.

Customer gateways (1)



Actions

Create customer gateway

Filter customer gateways

< 1 >

Customer gateway ID: cgw-028d9b5e3e503b550

Clear filters

Name	Customer gateway ID	State	BGP ASN	IP address
cgwy	cgw-028d9b5e3e503b550	Available	65000	33.67.87.56

Select a customer gateway



Feedback

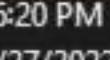
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Create VPN connection Info

Select the resources and additional configuration options that you want to use for the site-to-site VPN connection.

Details

Name tag - optional

Creates a tag with a key of 'Name' and a value that you specify.

Value must be 256 characters or less in length.

Target gateway type Info

- Virtual private gateway
- Transit gateway
- Not associated

Virtual private gateway

Customer gateway Info

VPN connections | VPC Manager + us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#VpnConnections:VpnConnectionId=vpn-0603c61ba13ae9f69 N. Virginia admin_dinesh @ 5199-4199-4052

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You successfully created vpn-0603c61ba13ae9f69 / nvirginia-to-chennai.

VPN connections (1) Info Actions Download configuration Create VPN connection

Filter VPN connections

VPN ID: vpn-0603c61ba13ae9f69 X Clear filters

Name	VPN ID	State	Virtual private gateway	Transit gateway
nvirginia-to-chennai	vpn-0603c61ba13ae9f69	Pending	vgw-069bfa5a20f8f0ed6	-

Select a VPN connection.

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VPN connections | VPC Manager + us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#VpnConnections:VpnConnectionId=vpn-0603c61ba13ae9f69

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EC2 Global View New

Filter by VPC: Select a VPC

Virtual private cloud

Your VPCs

Subnets

Route tables

Internet gateways

Egress-only internet gateways

Carrier gateways

DHCP option sets

Elastic IPs

Managed prefix lists

Endpoints

You successfully created vpn-0603c61ba13ae9f69 / nvirginia-to-chennai.

VPN connections (1/1) Info Actions Download configuration Create VPN connection

Filter VPN connections

VPN ID: vpn-0603c61ba13ae9f69 X Clear filters

Name	VPN ID	State	Virtual private gateway	Transit gateway
nvirginia-to-chennai	vpn-0603c61ba13ae9f69	Pending	vgw-069bfa5a20f8f0ed6	-

Tunnel 1 3.211.49.231 169.254.127.164/30 - ✖ Down August 27, 2022, 18:24:55 (UTC+05:30)

Tunnel 2 18.205.102.32 169.254.63.44/30 - ✖ Down August 27, 2022, 18:24:55 (UTC+05:30)

▶ Tunnel 1 options Info

▶ Tunnel 2 options Info

https://us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#VpnConnections:VpnConnectionId=vpn-0603c61ba13ae9f69

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VPC dashboard EC2 Global View New Filter by VPC: Select a VPC ▾

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Route tables (1/2) Info C Actions Create route table

Filter route tables < 1 > ⚙

Name	Route table ID	Explicit subnet associations	Edge associations	Main	VPC
<input checked="" type="checkbox"/> -	rtb-023dba7b084723294	-	-	Yes	vpc-0ed788f78
<input type="checkbox"/> -	rtb-024b5a8cc5da4ec4a	-	-	Yes	vpc-07054fdffe

Details Routes Subnet associations Edge associations Route propagation Tags

Route Propagation (1) Edit route propagation

Find virtual private gateway < 1 > ⚙

Virtual Private Gateway	Propagation
vgw-069bfa5a20f8f0ed6 / vpgwy	No

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us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#EditRoutePropagation:RouteTableId=rtb-023dba7b084723294

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IAM EC2 VPC

VPC > Route tables > rtb-023dba7b084723294 > Edit route propagation

Edit route propagation

Route table basic details

Route table ID
 rtb-023dba7b084723294

Edit route propagation

Virtual Private Gateway	Propagation
vgw-069bfa5a20f8f0ed6 / vpgwy	<input checked="" type="checkbox"/> Enable

Cancel Save

VPN connections | VPC Manager X + us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#VpnConnections: N. Virginia admin_dinesh @ 5199-4199-4052

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IAM EC2 VPC

Firewalls Firewall policies Network Firewall rule groups Virtual private network (VPN) Customer gateways Virtual private gateways Site-to-Site VPN connections Client VPN endpoints AWS Cloud WAN Network Manager Transit gateways Transit gateways Transit gateway

VPN connections (1/1) Info Filter VPN connections VPN ID: vpn-0603c61ba13ae9f69 Name n virginia-to-chennai vpn-0603c61ba13ae9f69 / n virginia-to-chennai Details Tunnel details Details VPN ID Available

Download configuration Choose the sample configuration you wish to download based on your customer gateway. Please note these are samples, and will need modification to use Advanced Algorithms, Certificates, and/or IPv6.

Vendor The manufacturer of the customer gateway device (for example, Cisco Systems, Inc). Generic

Platform The class of the customer gateway device (for example, J-Series). Generic

Software The operating system running on the customer gateway device (for example, ScreenOS). Vendor Agnostic

Cancel Download

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VPN Connection Configuration

AWS utilizes unique identifiers to manipulate the configuration of a VPN Connection. Each VPN Connection is assigned a VPN Connection Identifier and is associated with two other identifiers, namely the Customer Gateway Identifier and the Virtual Private Gateway Identifier.

Your VPN Connection ID : vpn-0603c61ba13ae9f69
Your Virtual Private Gateway ID : vgw-069bfa5a20f8f0ed6
Your Customer Gateway ID : cgw-028d9b5e3e503b550

A VPN Connection consists of a pair of IPSec tunnel security associations (SAs). It is important that both tunnel security associations be configured.

IPSec Tunnel #1

#1: Internet Key Exchange Configuration

Configure the IKE SA as follows:

Please note, these sample configurations are for the minimum requirement of AES128, SHA1, and DH Group 2.

Category "VPN" connections in the GovCloud region have a minimum requirement of AES128, SHA2, and DH Group 14.

You will need to modify these sample configuration files to take advantage of AES256, SHA256, or other DH groups like 2, 14-18, 22, 23, and 24.

NOTE: If you customized tunnel options when creating or modifying your VPN connection, you may need to modify these sample configurations to match the custom settings if applicable.

Higher parameters are only available for VPNs of category "VPN," and not for "VPN-Classic".

The address of the external interface for your customer gateway must be a static address.

Your customer gateway may reside behind a device performing network address translation (NAT).

To ensure that NAT traversal (NAT-T) can function, you must adjust your firewall rules to unblock UDP port 4500.

If not behind NAT, and you are not using an Accelerated VPN, we recommend disabling NAT-T. If you are using an Accelerated VPN, make sure that NAT-T is enabled.

- IKE version : IKEv1
- Authentication Method : Pre-Shared Key
- Pre-Shared Key : WXSXmOpjHCoBggSC orGo.pIJgXqrmwu



Search in this guide

AWS > Documentation > AWS VPN > Administrator Guide

AWS Client VPN

Administrator Guide

What is AWS Client VPN?

▶ How Client VPN works

▶ Scenarios and examples

Getting started

Working with Client VPN

Access the self-service portal

Authorization rules

Client certificate revocation lists

Client connections

Client login banner

Client VPN endpoints

Connection logs

Export and configure the client configuration file

Client VPN endpoints

PDF RSS

All client VPN sessions terminate at the Client VPN endpoint. You configure the Client VPN endpoint to manage and control all client VPN sessions.

Contents

- [Create a Client VPN endpoint](#)
- [Modify a Client VPN endpoint](#)
- [View Client VPN endpoints](#)
- [Delete a Client VPN endpoint](#)

Create a Client VPN endpoint

Create a Client VPN endpoint to enable your clients to establish a VPN session.

The Client VPN must be created in the same AWS account in which the intended target network is provisioned.



AWS Client VPN

Administrator Guide

What is AWS Client VPN?

How Client VPN works

Client authentication

Client authorization

Connection authorization

Split-tunnel Client VPN

Connection logging

Scaling considerations

Scenarios and examples

Getting started

Working with Client VPN

Security

Monitoring Client VPN

Client VPN quotas

Troubleshooting AWS Client

VPN

Client authentication

[PDF](#) | [RSS](#)

Client authentication is implemented at the first point of entry into the AWS Cloud. It is used to determine whether clients are allowed to connect to the Client VPN endpoint. If authentication succeeds, clients connect to the Client VPN endpoint and establish a VPN session. If authentication fails, the connection is denied and the client is prevented from establishing a VPN session.

Client VPN offers the following types of client authentication:

- [Active Directory authentication](#) (user-based)
- [Mutual authentication](#) (certificate-based)
- [Single sign-on \(SAML-based federated authentication\)](#) (user-based)

You can use one of methods listed above alone, or a combination of mutual authentication with a user-based method such as the following:

- Mutual authentication and federated authentication
- Mutual authentication and Active Directory authentication

On this page

[Active Directory authentication](#)

[Mutual authentication](#)

[Single sign-on \(SAML 2.0-based federated authentication\)](#)



AWS Client VPN

Administrator Guide

What is AWS Client VPN?

How Client VPN works

Client authentication

Client authorization

Connection authorization

Split-tunnel Client VPN

Connection logging

Scaling considerations

Scenarios and examples

Getting started

Working with Client VPN

Security

Monitoring Client VPN

Client VPN quotas

Troubleshooting AWS Client

VPN

Mutual authentication

With mutual authentication, Client VPN uses certificates to perform authentication between the client and the server. Certificates are a digital form of identification issued by a certificate authority (CA). The server uses client certificates to authenticate clients when they attempt to connect to the Client VPN endpoint. You must create a server certificate and key, and at least one client certificate and key.

You must upload the server certificate to AWS Certificate Manager (ACM) and specify it when you create a Client VPN endpoint. When you upload the server certificate to ACM, you also specify the certificate authority (CA). You only need to upload the client certificate to ACM when the CA of the client certificate is different from the CA of the server certificate. For more information about ACM, see the [AWS Certificate Manager User Guide](#).

You can create a separate client certificate and key for each client that will connect to the Client VPN endpoint. This enables you to revoke a specific client certificate if a user leaves your organization. In this case, when you create the Client VPN endpoint, you can specify the server certificate ARN for the client certificate, provided that the client certificate has been issued by the same CA as the server certificate.



On this page

Active Directory authentication

Mutual authentication

Single sign-on (SAML 2.0-based federated authentication)

Route tables | VPC Management Client authentication - AWS Client

docs.aws.amazon.com/vpn/latest/clientvpn-admin/client-authentication.html#mutual

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English ▾ Sign In to the Console

AWS Documentation AWS VPN Administrator Guide Feedback Preferences

AWS Client VPN

Administrator Guide

What is AWS Client VPN?

How Client VPN works

Client authentication

Client authorization

Connection authorization

Split-tunnel Client VPN

Connection logging

Scaling considerations

Scenarios and examples

Getting started

Working with Client VPN

Security

Monitoring Client VPN

Client VPN quotas

Troubleshooting AWS Client VPN

A Client VPN endpoint supports 1024-bit and 2048-bit RSA key sizes only. Also, the client certificate must have the CN attribute in the Subject field.

On this page

Active Directory authentication

Mutual authentication

Single sign-on (SAML 2.0-based federated authentication)

Linux/macOS Windows

The following procedure installs Easy-RSA 3.x software and uses it to generate server and client certificates and keys.

To generate server and client certificates and keys and upload them to ACM

1. Open the [EasyRSA releases](#) page and download the ZIP file for your version of Windows and extract it.
2. Open a command prompt and navigate to the location that the EasyRSA-3.x folder was extracted to.
3. Run the following command to open the EasyRSA 3 shell.

```
C:\Program Files\EasyRSA-3.x> .\EasyRSA-Start.bat
```

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Update NEW! OpenVPN 5 Connection Plan

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The OpenVPN community project team is proud to release OpenVPN 2.5.7. This is mostly a bugfix release, but adds limited support for OpenSSL 3.0. Full support will arrive in OpenVPN 2.6.

Source tarball (gzip)[GnuPG Signature](#)[openvpn-2.5.7.tar.gz](#)**Source zip**[GnuPG Signature](#)[openvpn-2.5.7.zip](#)**Windows 32-bit MSI installer**[GnuPG Signature](#)[OpenVPN-2.5.7-I602-x86.msi](#)**Windows 64-bit MSI installer**[GnuPG Signature](#)[OpenVPN-2.5.7-I602-amd64.msi](#)**Windows ARM64 MSI installer**[GnuPG Signature](#)[OpenVPN-2.5.7-I602-arm64.msi](#)[Need some help?](#)

Route tables | VPC Management | Client authentication - AWS Cli | Releases · OpenVPN/easy-rsa · G +

github.com/OpenVPN/easy-rsa/releases

Andersblomdell, ecrist, and 2 other contributors

▼ Assets 8

EasyRSA-3.1.0-win32.zip	3.27 MB	May 19, 2022
EasyRSA-3.1.0-win64.zip	310 Bytes	May 19, 2022
EasyRSA-3.1.0-win64.exe	3.51 MB	May 19, 2022
EasyRSA-3.1.0-win64.msi	310 Bytes	May 19, 2022
EasyRSA-3.1.0-win64-pkcs11.dll	59.8 KB	May 19, 2022
EasyRSA-3.1.0-win64-pkcs11.msi	310 Bytes	May 19, 2022
Source code		May 19, 2022
Source code		May 19, 2022

Open File - Security Warning

Do you want to run this file?

Name: ...sers\lipu\Downloads\OpenVPN-2.5.7-1602-amd64.msi
Publisher: [OpenVPN Inc.](#)
Type: Windows Installer Package
From: C:\Users\lipu\Downloads\OpenVPN-2.5.7-1602-amd64...

Always ask before opening this file

 While files from the Internet can be useful, this file type can potentially harm your computer. Only run software from publishers you trust.
[What's the risk?](#)

May 18, 2022

ecrist

v3.0.9

150e96e 

Compare ▾

EasyRSA 3.0.9

** Note: Files here were updated to remove a test pki mistakenly included with the original. There are no functional changes to the release. **

Show all

EasyRSA-3.1.0-win64.zip OpenVPN-2.5.7-16....msi

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Administrator: Command Prompt

Microsoft Windows [Version 10.0.19044.1889]
(c) Microsoft Corporation. All rights reserved.
C:\WINDOWS\system32>cd C:\Program Files\OpenVPN
C:\Program Files\OpenVPN>



Microsoft Windows [Version 10.0.19044.1889]
(c) Microsoft Corporation. All rights reserved.

C:\WINDOWS\system32>cd C:\Program Files\OpenVPN

C:\Program Files\OpenVPN>cd EasyRSA

C:\Program Files\OpenVPN\EasyRSA>.\EasyRSA-Start.bat

Welcome to the EasyRSA 3 Shell for Windows.
Easy-RSA 3 is available under a GNU GPLv2 license.

Invoke './easyrsa' to call the program. Without commands, help is displayed.

EasyRSA Shell

#



Administrator: Command Prompt - \EasyRSA-Start.bat

* Notice:
IMPORTANT: Easy-RSA 'vars' file has now been moved to your PKI above.

* Notice:

EasyRSA Shell



Administrator: Command Prompt - \EasyRSA-Start.bat

* Notice:

```
Keypair and certificate request completed. Your files are:  
req: C:/Program Files/OpenVPN/EasyRSA/pki/reqs/server.req  
key: C:/Program Files/OpenVPN/EasyRSA/pki/private/server.key
```

```
Keypair and certificate request completed. Your files are:  
req: C:/Program Files/OpenVPN/EasyRSA/pki/reqs/client1.domain.tld.req  
key: C:/Program Files/OpenVPN/EasyRSA/pki/private/client1.domain.tld.key
```

Administrator: Command Prompt

* Notice:
Certificate created at: C:/Program Files/OpenVPN/EasyRSA/pki/issued/server.crt

* Notice:

```
req: C:/Program Files/OpenVPN/EasyRSA/pki/reqs/client1.domain.tld.req  
key: C:/Program Files/OpenVPN/EasyRSA/pki/private/client1.domain.tld.key
```

Signature ok

Data Base Updated

EasyRSA Shell

exit

C:\Program Files\OpenVPN\EasyRSA



```
Overwrite C:\custom_folder\ca.crt? (Yes/No/All): yes  
1 file(s) copied.
```

```
C:\Program Files\OpenVPN\EasyRSA>cd ..
```

```
C:\Program Files\OpenVPN>cd  
C:\Program Files\OpenVPN
```

```
C:\Program Files\OpenVPN>cd ..
```

```
C:\Program Files>cd ...
```

```
C:\Program Files>cd ..
```

```
C:\>custom_folder  
'custom_folder' is not recognized as an internal or external command,  
operable program or batch file.
```

```
C:\>cd custom_folder
```

```
C:\custom_folder>aws configure  
AWS Access Key ID [None]: AKIAJAXSDXVGZCIQB3CBQO  
AWS Secret Access Key [None]: qa6iRSdFowwLUF4JdZp7lb7HI4A69vP9HxVlCfjA  
Default region name [None]: us-east-1  
Default output format [None]: json
```

```
C:\custom_folder>aws configure  
AWS Access Key ID [*****CBQO]:  
AWS Secret Access Key [*****CfjA]:  
Default region name [us-east-1]:  
Default output format [json]:
```

```
C:\custom_folder>
```



```
Write out database with 1 new entries
Data Base Updated

* Notice:
Certificate created at: C:/Program Files/OpenVPN/EasyRSA/pki/issued/client1.domain.tld.crt

EasyRSA Shell
# exit

C:\Program Files\OpenVPN\EasyRSA>mkdir C:\custom_folder

C:\Program Files\OpenVPN\EasyRSA>copy pki\ca.crt C:\custom_folder
    1 file(s) copied.

C:\Program Files\OpenVPN\EasyRSA>copy pki\issued\server.crt C:\custom_folder
    1 file(s) copied.

C:\Program Files\OpenVPN\EasyRSA>copy pki\private\server.key C:\custom_folder
    1 file(s) copied.

C:\Program Files\OpenVPN\EasyRSA>copy pki\issued\client1.domain.tld.crt C:\custom_folder
    1 file(s) copied.

C:\Program Files\OpenVPN\EasyRSA>copy pki\private\client1.domain.tld.key C:\custom_folder
    1 file(s) copied.

C:\Program Files\OpenVPN\EasyRSA>cd C:\custom_folder

C:\custom_folder>aws configure
AWS Access Key ID [*****CBQO]:
AWS Secret Access Key [*****cfjA]:
Default region name [us-east-1]:
Default output format [json]

C:\custom_folder>aws acm import-certificate --certificate file:///server.crt --private-key file:///server.key --certificate-chain file:///ca.crt
{
  "CertificateArn": "arn:aws:acm:us-east-1:519941994052:certificate/904354e0-503e-4595-ab50-96f38bfbcfa5"
}

C:\custom_folder>
```



Client authentication - AWS Client | Releases · OpenVPN/easy-rsa | IAM Management Console | AWS Certificate Manager | +

us-east-1.console.aws.amazon.com/acm/home?region=us-east-1#/certificates/list

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AWS Certificate Manager Certificates

Certificates (2)

C Delete Manage expiry events Import Request

< 1 > ⚙

	Certificate ID	Domain name	Type	Status	In use?	Renewal eligibility
<input type="checkbox"/>	b0ed0f1c-5c77-43fc-ad56-92e641102153	client1.domain.tld	Imported	<input checked="" type="checkbox"/> Issued	No	Ineligible
<input type="checkbox"/>	904354e0-503e-4595-ab50-96f38bfbcfa5	server	Imported	<input checked="" type="checkbox"/> Issued	No	Ineligible

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us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#ClientVPNEndpoints:

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Filter by VPC: Select a VPC

Virtual private cloud

Your VPCs

Subnets

Route tables

Internet gateways

Egress-only internet gateways

Carrier gateways

DHCP option sets

Elastic IPs

You successfully created cvpn-endpoint-01bd0bc011c60066e / test-vpn.

Client VPN endpoints (1) Info Actions Download client configuration Create client VPN endpoint

Filter client VPN endpoints

Name	Client VPN endpoint ID	State	Client CIDR
test-vpn	cvpn-endpoint-01bd0bc011c60066e	Pending-associate	11.0.0.0/16

0 client VPN endpoints selected

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OpenVPN-2.5.7-16....msi

EasyRSA-3.1.0-win64.zip

Show all

10:56 PM

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Client authentication - AWS | Releases · OpenVPN/easy-rsa | IAM Management Console | AWS Certificate Manager | Associate target network | VF | +

us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#AssociateClientVpnTargetNetwork:clientVpnEndpointId=cvpn-endpoint-01bd0bc011c60066e

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VPC > Client VPN endpoints > cvpn-endpoint-01bd0bc011c60066e > Associate target network

Associate target network Info

A target network is a subnet in a VPC. You associate a subnet in an Availability Zone to the client VPN endpoint. You can associate one subnet per Availability Zone. You can associate subnets in one VPC to a client VPN endpoint.

Details

Client VPN endpoint ID
 cvpn-endpoint-01bd0bc011c60066e

VPC

Choose a subnet to associate

Cancel **Associate target network**

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 OpenVPN-2.5.7-16....msi ^

 EasyRSA-3.1.0-win64.zip ^

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Client authentication - AWS | Releases · OpenVPN/easy-rsa | IAM Management Console | AWS Certificate Manager | Your VPCs | VPC Manager

us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#vpcs:

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Select a VPC ▾

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Internet gateways

Egress-only internet gateways

Carrier gateways

DHCP option sets

Elastic IPs

Your VPCs (2) Info

C Actions Create VPC

Filter VPCs

< 1 > ⓘ

	Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR
<input type="checkbox"/>	RDS-LAB	vpc-0a1c828f0de02562d	Available	11.0.0.0/16	-
<input type="checkbox"/>	-	vpc-07054fdff68e3b731	Available	172.31.0.0/16	-

Select a VPC above

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us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#ClientVPNEndpoints:

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Carrier gateways

DHCP option sets

Elastic IPs

Managed prefix lists

Endpoints

Client VPN endpoints (1/1) Info Actions Download client configuration Create client VPN endpoint

Filter client VPN endpoints

Name Client VPN endpoint ID State Client CIDR

test-vpn	cvpn-endpoint-01bd0bc011c60066e	Pending-associate	11.0.0.0/16
----------	---------------------------------	-------------------	-------------

cvpn-endpoint-01bd0bc011c60066e / test-vpn

Details Target network associations Security groups Authorization rules Route table Connections Tags

Security groups (1) Info Apply security groups

Filter security groups

Endpoint ID	VPC ID	Association ID
cvpn-endpoint-01bd0bc011c60066e	vpc-07054fdff68e3b731	cvpn-assoc-08dbbb2c576fcaa3b

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Carrier gateways
DHCP option sets
Elastic IPs
Managed prefix lists
Endpoints

Client VPN endpoints (1/1) Info Actions Download client configuration Create client VPN endpoint

Filter client VPN endpoints < 1 >

Name	Client VPN endpoint ID	State	Client CIDR
test-vpn	cvpn-endpoint-01bd0bc011c60066e	Available	11.0.0.0/16

cvpn-endpoint-01bd0bc011c60066e / test-vpn

Details Target network associations Security groups Authorization rules Route table Connections Tags

Tags Manage tags

Search tags < 1 >

Key	Value
Name	test-vpn

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```
dev tun
proto udp
remote cvpn-endpoint-01bd0bc011c60066e.prod.clientvpn.us-east-1.amazonaws.com 443
remote-random-hostname
resolv-retry infinite
nobind
remote-cert-tls server
cipher AES-256-GCM
verb 3
<ca>
-----BEGIN CERTIFICATE-----
MIIDNjCCAh6gAwIBAgIUaCh3wDsI/sVo3VpsX3sI9HoLh+EwDQYJKoZIhvcNAQEL
BQAwDzENMAsGA1UEAwEDGVzdDAeFw0yMjA4MjcxNzAyMzBaFw0zMjA4MjQxNzAy
MzBaMA8xDTALBgNVBAMMBHR1c3QwggEiMA0GCSqGSIb3DQEBAQUAA4IBDwAwggEK
AoIBAQDBv4tcSe9eFEG4hg5nxiemg0Qd0T69EvKBxcqomMgY+1Zck10W/u6MP8b
BSgaYG893toYD1gzPY5aONTQu9v32khQJpMDV348Fnqp1CwqeN8Z2ntm5HMcID1n
yFq+F8x58joIoXr4pHzuBoUQGtat7C0mxseI2C2gk4Y1V4pbidbnK4im7u4z0dzd
dGnZbaR9j642B3ikgjIVJBWXbAe4E4Qz6fssQDNhPBMMmjyHx9x6tkOQPXQA4A21
PiIpY5mKE6C42wbxeInt5102T1qvU2oUyJnZVgdCSKwRDik21YU/1yS511FnzqdX
Y+8FWia0eHLjqDL1RfLxRkODxCf7AgMBAAGjgYkwDAYDVR0TBAtwAwEB/zAd
BgNVHQ4EFgQUtKdJrYwEVY36BsUIgdVmMQt/+P8wSgYDVR0jBEMwQYAUtKdJrYwE
VY36BsUIgdVmMQt/+P+hE6QRMA8xDTALBgNVBAMMBHR1c3SCFGgod8A7CP7FaN1a
bF97CPR6C4fhMAsGA1UdDwQEAvIBBjANBgkqhkiG9w0BAQsFAAOCAQEAVtmdeIh1
4KUQNvGnhYqAaiObIvAUmEQsFbX8Ruf9t5R7JPf7e5Rzxz3yeXYByn72Q77q3s6j
kANSCLN+y08Rg/s1ATEw0ZzLAqaxs399XhTUvZ7BrD108ExdYANeNRMuuid5biY7
rUm8/WUXOjWvALAsJIK69BTFeoaVpDeINAwq66IIMybAkjAqFhM1cTy0kw1M1YpX
f0Tj1tQTuy50hhVBfmR7YIT0VZFa/1P/HZMcMUbj3zgr7zrgmy1p3rZFFSOPSCs5
zc8jV4Cu+rcc1r2sJHALCJvsKTW25oP617urt8wBI3GzbLzNu7Q0mC4zgJgYjGE+
J6D5I5Nc+Quk0g==
-----END CERTIFICATE-----
</ca>

reneg-sec 0
```

Client authentication | Releases · OpenVPN/e | IAM Management Co | AWS Certificate Mana | Client VPN endpoints | Instances | EC2 Manag | +

us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#ClientVPNEndpoints:

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You successfully modified cvpn-endpoint-01bd0bc011c60066e / test-vpn.

Client VPN endpoints (1/1) Info Actions Download client configuration Create client VPN endpoint

Filter client VPN endpoints < 1 >

Name	Client VPN endpoint ID	State	Client CIDR
test-vpn	cvpn-endpoint-01bd0bc011c60066e	Available	11.0.0.0/16

cvpn-endpoint-01bd0bc011c60066e / test-vpn

Details Target network associations Security groups Authorization rules Route table Connections Tags

Details

Client VPN endpoint ID cvpn-endpoint-01bd0bc011c60066e	Server certificate ARN arn:aws:acm:us-east-1:519941994052:certificate/90435	Connection log false	Transport protocol udp
		Cloudwatch log group 180-5030-1595-3h50_96f38hfhrf35	Split-tunnel

Feedback Looking for language selection? Find it in the new Unified Settings © 2022, Amazon Internet Services Private Ltd. or its affiliates. Pri OpenVPN GUI! Connected to: downloaded-client-config Connected since: 8/27/2022 11:47 PM Assigned IP: 11.0.0.2

downloaded-clie...ovpn

11:47 PM 8/27/2022

Client authentication | Releases · OpenVPN/e | IAM Management Co | AWS Certificate Mana | Client VPN endpoints | Instances | EC2 Manag | +

us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#ClientVPNEndpoints:

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You successfully modified cvpn-endpoint-01bd0bc011c60066e / test-vpn.

Client VPN endpoints (1/1) Info Actions Download client configuration Create client VPN endpoint

Filter client VPN endpoints

Name	Client VPN endpoint ID	State	Client CIDR
test-vpn	cvpn-endpoint-01bd0bc011c60066e	Available	11.0.0.0/16

cvpn-endpoint-01bd0bc011c60066e / test-vpn

Details Target network associations Security groups Authorization rules Route table Connections Tags

Details

Client VPN endpoint ID	Server certificate ARN	Connection log	Transport protocol
cvpn-endpoint-01bd0bc011c60066e	arn:aws:acm:us-east-1:519941994052:certificate/90435	false	udp
	400-5030-1595-3h50-96f38hfhrf35	Cloudwatch log group	Split-tunnel

OpenVPN GUI! Connected to: downloaded-client-config
Connected since: 8/27/2022 11:47 PM
Assigned IP: 11.0.0.2

downloaded-clie...ovpn

11:47 PM 8/27/2022

Client authentication | Releases · OpenVPN/e | IAM Management Co | AWS Certificate Mana | Client VPN endpoints | Connect to instance | +

us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#ConnectToInstance:instanceId=i-069b1423c982413ed

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Instance ID
 i-069b1423c982413ed

1. Open an SSH client.

2. Locate your private key file. The key used to launch this instance is `master_silicon.pem`

3. Run this command, if necessary, to ensure your key is not publicly viewable.
 `chmod 400 master_silicon.pem`

4. Connect to your instance using its Private IP:
 172.31.88.184

Example:
 Command copied ec2-user@172.31.88.184

Note: In most cases, the guessed user name is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI user name.

Cancel

File Edit View Tools Tab Window Help



ssh://ec2-user@172.31.91.112:22

To add the current session, click on the left arrow button.

172.31.91.112:22 +

Xshell 7 (Build 0111)

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Type 'help' to learn how to use Xshell prompt.

[C:\~]\$ ssh -i "master_silicon.pem" ec2-user@172.31.91.112

Connecting to 172.31.91.112:22...

Connection established.

To escape to local shell, press 'Ctrl+Alt+]'.
[

SSH User Authentication

Remote Host: 172.31.91.112:22 (%default%)

Login Name: ec2-user

Server Type: SSH2, OpenSSH_7.4

Select a proper user authentication method among the below and provide necessary information to login.

 Password

Password:

 Public Key

User Key:

Passphrase:

 Keyboard Interactive

Use keyboard input for user authentication.

Open

< > ↑ ↓ This PC > Downloads >

Organize New folder

Screenshots

Telegram Desktop

OneDrive - Persor

This PC

3D Objects

Desktop

Documents

Downloads

Music

Pictures

Videos

Local Disk (C:)

New Volume (G:)

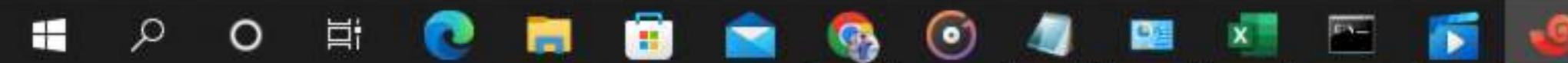
File name: |

All Files (*.*)

Open

ssh://ec2-user@172.31.91.112:22

xterm 191x36 11,1 1 session 12:51 AM CAP NUM



8/28/2022

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ssh://ec2-user@172.31.91.112:22

To add the current session, click on the left arrow button.

1 172.31.91.112:22

Xshell 7 (Build 0111)

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Type 'help' to learn how to use Xshell prompt.

[C:\~]\$ ssh -i "master_silicon.pem" ec2-user@172.31.91.112

Connecting to 172.31.91.112:22...

Connection established.

To escape to local shell, press 'Ctrl+Alt+]'.

WARNING! The remote SSH server rejected X11 forwarding request.



<https://aws.amazon.com/amazon-linux-2/>

[ec2-user@ip-172-31-91-112 ~]\$

ssh://ec2-user@172.31.91.112:22

SSH2 xterm 191x36 19,32 1 session ▲ CAP NUM



12:51 AM 8/28/2022

Client authentication | Releases · OpenVPN/e | IAM Management Co | AWS Certificate Mana | Subnets | VPC Manag | Instances | EC2 Manag | +

us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#subnets:SubnetId=subnet-0ba6ebdbad070fac3

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Subnets

Route tables

Internet gateways

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Carrier gateways

DHCP option sets

Elastic IPs

Managed prefix lists

Endpoints

You have successfully created 1 subnet: subnet-0ba6ebdbad070fac3

Subnets (1) Info Actions Create subnet

Filter subnets

Subnet ID: subnet-0ba6ebdbad070fac3 X Clear filters

<input type="checkbox"/>	Name	Subnet ID	State	VPC	IPv4 CIDR
<input type="checkbox"/>	vpc-a-subnet	subnet-0ba6ebdbad070fac3	Available	vpc-01e28b28937685ca4 vp...	10.0.1.0/24

Select a subnet

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us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#vpcs:

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Subnets

Route tables

Internet gateways

Egress-only internet gateways

Carrier gateways

DHCP option sets

Elastic IPs

Managed prefix lists

Endpoints

Your VPCs (2) Info

Filter VPCs

C Actions Create VPC

< 1 >

	Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR
<input type="checkbox"/>	vpc-01	vpc-01e28b28937685ca4	Available	10.0.0.0/16	-
<input type="checkbox"/>	-	vpc-07054fdff68e3b731	Available	172.31.0.0/16	-

Select a VPC above

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Edit subnet associations

Change which subnets are associated with this route table.

Available subnets (1/1)

Filter subnet associations

< 1 > ⚙

<input checked="" type="checkbox"/>	Name	Subnet ID	IPv4 CIDR	IPv6 CIDR	Route table ID
<input checked="" type="checkbox"/>	vpc-1-subnet	subnet-0ba6ebdbad070fac3	10.0.1.0/24	-	Main (rtb-00e25828928353108)

Selected subnets

subnet-0ba6ebdbad070fac3 / vpc-1-subnet X

Cancel

Save associations



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Managed prefix lists

Endpoints ▾

✓ Internet gateway igw-010a1ca026694a164 successfully attached to vpc-01e28b28937685ca4

VPC > Internet gateways > igw-010a1ca026694a164

igw-010a1ca026694a164 / vpc-1-igw

Actions ▾

Details Info

Internet gateway ID

igw-010a1ca026694a164

State

Attached

VPC ID

vpc-01e28b28937685ca4 | vpc-01

Owner

519941994052

Tags

Manage tags

Search tags

< 1 >

Key

Value

Name

vpc-1-igw

Feedback

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Internet gateways

Egress-only internet gateways

Carrier gateways

DHCP option sets

Elastic IPs

Managed prefix lists

Endpoints

You successfully created vpc-05d191a7f0166e241 / vpc-2

VPC > Your VPCs > vpc-05d191a7f0166e241

vpc-05d191a7f0166e241 / vpc-2

Actions ▾

Details Info

VPC ID	<input type="checkbox"/> vpc-05d191a7f0166e241	State	Available	DNS hostnames	Disabled	DNS resolution	Enabled
Tenancy	Default	DHCP option set	dopt-07832dad94d561433	Main route table	rtb-0cf1aeb28b68fb9a2	Main network ACL	acl-0cbf3b5599e292c1c
Default	No	IPv4 CIDR	11.0.0.0/16	IPv6 pool	-	IPv6 CIDR (Network border group)	-
Default VPC	Route 53 Resolver DNS Firewall rule groups	Owner ID	<input type="checkbox"/> 519941994052				
	-						

us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#RouteTables:

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You have successfully updated subnet associations for rtb-05daee7a282f6b3b4 / vpc-2-rt.

Route tables (5) Info

Filter route tables < 1 >

<input type="checkbox"/>	Name	Route table ID	Explicit subnet associat...	Edge associations	Main	VPC
<input type="checkbox"/>	vpc-2-rt	rtb-05daee7a282f6b3b4	subnet-042bee01dd833...	-	No	vpc-05d191a7f01
<input type="checkbox"/>	-	rtb-00e25828928353108	-	-	Yes	vpc-01e28b28937
<input type="checkbox"/>	-	rtb-024b5a8cc5da4ec4a	-	-	Yes	vpc-07054fdff68e
<input type="checkbox"/>	-	rtb-0cf1aeb28b68fb9a2	-	-	Yes	vpc-05d191a7f01
<input type="checkbox"/>	vpc-1-rt	rtb-03e0ec6b227a89362	subnet-0ba6ebdbad070...	-	No	vpc-01e28b28937

Select a route table



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Internet gateways

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Carrier gateways

DHCP option sets

Elastic IPs

Managed prefix lists

Endpoints

You successfully created vpc-0a664b1ad6cfdf505 / vpc-3

VPC > Your VPCs > vpc-0a664b1ad6cfdf505

vpc-0a664b1ad6cfdf505 / vpc-3

Actions ▾

Details Info

VPC ID	<input type="checkbox"/> vpc-0a664b1ad6cfdf505	State	Available	DNS hostnames	Disabled	DNS resolution	Enabled
Tenancy	Default	DHCP option set	dopt-07832dad94d561433	Main route table	rtb-005ff49183af4a12	Main network ACL	acl-0296214c6eb47e1bb
Default	No	IPv4 CIDR	12.0.0.0/16	IPv6 pool	-	IPv6 CIDR (Network border group)	-
Default VPC	No	Route 53 Resolver DNS Firewall rule groups	<input type="checkbox"/> 519941994052	Owner ID			
Route tables		Subnets		Subnet 1	subnet-005ff49183af4a12	Subnet 2	subnet-005ff49183af4a12
Internet gateways		Route tables		Route table 1	rtb-005ff49183af4a12	Route table 2	rtb-005ff49183af4a12
Egress-only internet gateways		Subnet 1		Subnet 2	subnet-005ff49183af4a12	Subnet 3	subnet-005ff49183af4a12
Carrier gateways		Route 53 Resolver DNS Firewall rule groups		Route table 1	rtb-005ff49183af4a12	Route table 2	rtb-005ff49183af4a12
DHCP option sets		Subnets		Subnet 1	subnet-005ff49183af4a12	Subnet 2	subnet-005ff49183af4a12
Elastic IPs		Route tables		Route table 1	rtb-005ff49183af4a12	Route table 2	rtb-005ff49183af4a12
Managed prefix lists		Subnet 1		Subnet 2	subnet-005ff49183af4a12	Subnet 3	subnet-005ff49183af4a12
Endpoints		Route 53 Resolver DNS Firewall rule groups		Route table 1	rtb-005ff49183af4a12	Route table 2	rtb-005ff49183af4a12



Client authentication | Releases · OpenVPN/e | IAM Management Co | AWS Certificate Mana | Route tables | VPC M | Launch instance wizard | +

us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:

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1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

Step 7: Review Instance Launch Details

Please review your instance launch details. You can always change them later.

⚠ Improve your instances' security

Your instances may be accessible from the internet. To protect your instances, we recommend using a security group with an inbound rule that specifies traffic on port 22 from your IP address only. You can also open additional ports in your security group or use AWS CloudWatch Metrics to trigger actions based on specific metrics.

A key pair consists of a **public key** that AWS stores, and a **private key file** that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance. Amazon EC2 supports ED25519 and RSA key pair types.

Note: The selected key pair will be added to the set of keys authorized for this instance. Learn more about [removing existing key pairs from a public AMI](#).

AMI Details

Amazon Linux 2 AMI (HVM) - Latest
Free tier eligible

Amazon Linux 2 comes with five years of free software packages through extras. This includes the latest version of the Linux kernel, Binutils 2.29.1, and the latest versions of many popular software packages.

Root Device Type: ebs Virtualization type: HVM

Instance Type

Choose an existing key pair
Select a key pair
gateway-silicon01 | RSA

I acknowledge that I have access to the corresponding private key file, and that without this file, I won't be able to log into my instance.

Cancel Launch Instances

Launch process.

ses only.

Edit security groups

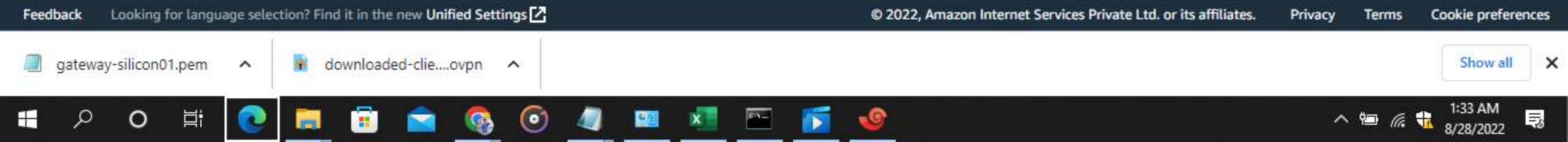
Edit AMI

Edit instance type

Cancel Previous Launch

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us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#Instances:

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New EC2 Experience Tell us what you think

EC2 Dashboard EC2 Global View Events Tags Limits Instances Instances New Instance Types Launch Templates Spot Requests Savings Plans Reserved Instances New Dedicated Hosts Scheduled Instances

Successfully terminated i-04f071aed428b9749

Instances (1/5) Info C Connect Instance state Actions Launch instances

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zc
-	i-069b1423c982413ed	Terminated	t2.micro	-	No alarms	+ us-east-1a
vpc-2	i-006d4fc7d92469b34	Running	t2.micro	Initializing	No alarms	+ us-east-1a
<input checked="" type="checkbox"/> vpc-1	i-0d2c8d99685fa405c	Running	t2.micro	2/2 checks passed	No alarms	+ us-east-1a
-	i-04f071aed428b9749	Terminated	t2.micro	-	No alarms	+ us-east-1a
vpc-3	i-086fecb8b2860fec3	Pending	t2.micro	-	No alarms	+ us-east-1a

Instance: i-0d2c8d99685fa405c (vpc-1)

Details Security Networking Storage Status checks Monitoring Tags

Instance summary Info

Instance ID	Public IPv4 address	Private IPv4 addresses

us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#RouteTableDetails:RouteTableId=rtb-03e0ec6b227a89362

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New VPC Experience Tell us what you think X

VPC dashboard EC2 Global View New Filter by VPC: Select a VPC ▾

Virtual private cloud Your VPCs Subnets

Route tables Internet gateways Egress-only internet gateways Carrier gateways DHCP option sets Elastic IPs

Updated routes for rtb-03e0ec6b227a89362 / vpc-1-rt successfully

Details

VPC > Route tables > rtb-03e0ec6b227a89362

rtb-03e0ec6b227a89362 / vpc-1-rt

Actions ▾

You can now check network connectivity with Reachability Analyzer Run Reachability Analyzer X

Details		Info	
Route table ID	rtb-03e0ec6b227a89362	Main	No
VPC	vpc-01e28b28937685ca4 vpc-01	Owner ID	519941994052
		Explicit subnet associations	subnet-0ba6ebdbad070fac3 / vpc-1-subnet
		Edge associations	-

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gateway-silicon01.pem downloaded-clie....ovpn Show all X

1:39 AM 8/28/2022

Create transit gateway Info

A transit gateway (TGW) is a network transit hub that interconnects attachments (VPCs and VPNs) within the same AWS account or across AWS accounts.

Details - optional

Name tag

Creates a tag with the key set to Name and the value set to the specified string.

Description Info

Set the description of your transit gateway to help you identify it in the future.

Configure the transit gateway

Destination	Target	Status	Propagated
10.0.0.0/16	local	Active	No
0.0.0.0/0	igw-010a1ca026694a164	Active	No
11.0.0.0/16	tgw-097c2e5ea7efc3aab	-	No
12.0.0.0/16	tgw-097c2e5ea7efc3aab	-	No
Add route			

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Show all

2:00 AM

8/28/2022

File Edit View Tools Tab Window Help



ssh://ec2-user@34.201.76.216:22

To add the current session, click on the left arrow button.

1 34.201.76.216:22

```
64 bytes from 11.0.1.44: icmp_seq=1096 ttl=254 time=0.991 ms
64 bytes from 11.0.1.44: icmp_seq=1097 ttl=254 time=0.969 ms
64 bytes from 11.0.1.44: icmp_seq=1098 ttl=254 time=2.22 ms
64 bytes from 11.0.1.44: icmp_seq=1099 ttl=254 time=0.986 ms
64 bytes from 11.0.1.44: icmp_seq=1100 ttl=254 time=1.24 ms
64 bytes from 11.0.1.44: icmp_seq=1101 ttl=254 time=0.986 ms
64 bytes from 11.0.1.44: icmp_seq=1102 ttl=254 time=0.977 ms
64 bytes from 11.0.1.44: icmp_seq=1103 ttl=254 time=0.997 ms
64 bytes from 11.0.1.44: icmp_seq=1104 ttl=254 time=0.947 ms
64 bytes from 11.0.1.44: icmp_seq=1105 ttl=254 time=0.968 ms
64 bytes from 11.0.1.44: icmp_seq=1106 ttl=254 time=0.927 ms
64 bytes from 11.0.1.44: icmp_seq=1107 ttl=254 time=0.951 ms
64 bytes from 11.0.1.44: icmp_seq=1108 ttl=254 time=0.960 ms
64 bytes from 11.0.1.44: icmp_seq=1109 ttl=254 time=0.974 ms
64 bytes from 11.0.1.44: icmp_seq=1110 ttl=254 time=0.925 ms
64 bytes from 11.0.1.44: icmp_seq=1111 ttl=254 time=1.10 ms
64 bytes from 11.0.1.44: icmp_seq=1112 ttl=254 time=0.980 ms
64 bytes from 11.0.1.44: icmp_seq=1113 ttl=254 time=0.944 ms
64 bytes from 11.0.1.44: icmp_seq=1114 ttl=254 time=0.904 ms
64 bytes from 11.0.1.44: icmp_seq=1115 ttl=254 time=0.931 ms
64 bytes from 11.0.1.44: icmp_seq=1116 ttl=254 time=0.937 ms
64 bytes from 11.0.1.44: icmp_seq=1117 ttl=254 time=0.946 ms
64 bytes from 11.0.1.44: icmp_seq=1118 ttl=254 time=0.968 ms
64 bytes from 11.0.1.44: icmp_seq=1119 ttl=254 time=0.936 ms
64 bytes from 11.0.1.44: icmp_seq=1120 ttl=254 time=0.885 ms
64 bytes from 11.0.1.44: icmp_seq=1121 ttl=254 time=1.01 ms
64 bytes from 11.0.1.44: icmp_seq=1122 ttl=254 time=0.922 ms
^Z
```

```
[2]+ Stopped ping 11.0.1.44
```

```
[root@ip-10-0-1-13 ec2-user]# ping 11.0.1.44
```

```
PING 11.0.1.44 (11.0.1.44) 56(84) bytes of data.
```

```
64 bytes from 11.0.1.44: icmp_seq=1 ttl=254 time=1.63 ms
64 bytes from 11.0.1.44: icmp_seq=2 ttl=254 time=0.859 ms
64 bytes from 11.0.1.44: icmp_seq=3 ttl=254 time=0.903 ms
64 bytes from 11.0.1.44: icmp_seq=4 ttl=254 time=0.793 ms
```

ssh://ec2-user@34.201.76.216:22

SSH2

xterm

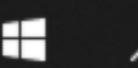
191x36

36,1

1 session

2:03 AM

8/28/2022



File Edit View Tools Tab Window Help



ssh://ec2-user@34.201.76.216:22

To add the current session, click on the left arrow button.

1 34.201.76.216:22

```
64 bytes from 11.0.1.44: icmp_seq=1114 ttl=254 time=0.904 ms
64 bytes from 11.0.1.44: icmp_seq=1115 ttl=254 time=0.931 ms
64 bytes from 11.0.1.44: icmp_seq=1116 ttl=254 time=0.937 ms
64 bytes from 11.0.1.44: icmp_seq=1117 ttl=254 time=0.946 ms
64 bytes from 11.0.1.44: icmp_seq=1118 ttl=254 time=0.968 ms
64 bytes from 11.0.1.44: icmp_seq=1119 ttl=254 time=0.936 ms
64 bytes from 11.0.1.44: icmp_seq=1120 ttl=254 time=0.885 ms
64 bytes from 11.0.1.44: icmp_seq=1121 ttl=254 time=1.01 ms
64 bytes from 11.0.1.44: icmp_seq=1122 ttl=254 time=0.922 ms
^Z
```

```
[2]+ Stopped ping 11.0.1.44
```

```
[root@ip-10-0-1-13 ec2-user]# ping 11.0.1.44
PING 11.0.1.44 (11.0.1.44) 56(84) bytes of data.
```

```
64 bytes from 11.0.1.44: icmp_seq=1 ttl=254 time=1.63 ms
64 bytes from 11.0.1.44: icmp_seq=2 ttl=254 time=0.859 ms
64 bytes from 11.0.1.44: icmp_seq=3 ttl=254 time=0.903 ms
64 bytes from 11.0.1.44: icmp_seq=4 ttl=254 time=0.793 ms
64 bytes from 11.0.1.44: icmp_seq=5 ttl=254 time=0.809 ms
64 bytes from 11.0.1.44: icmp_seq=6 ttl=254 time=0.897 ms
64 bytes from 11.0.1.44: icmp_seq=7 ttl=254 time=0.857 ms
64 bytes from 11.0.1.44: icmp_seq=8 ttl=254 time=0.819 ms
64 bytes from 11.0.1.44: icmp_seq=9 ttl=254 time=0.920 ms
64 bytes from 11.0.1.44: icmp_seq=10 ttl=254 time=0.857 ms
64 bytes from 11.0.1.44: icmp_seq=11 ttl=254 time=0.839 ms
64 bytes from 11.0.1.44: icmp_seq=12 ttl=254 time=0.835 ms
^X64 bytes from 11.0.1.44: icmp_seq=13 ttl=254 time=0.906 ms
^Z
```

```
[3]+ Stopped ping 11.0.1.44
```

```
[root@ip-10-0-1-13 ec2-user]# ping 12.0.1.81
PING 12.0.1.81 (12.0.1.81) 56(84) bytes of data.
```

```
64 bytes from 12.0.1.81: icmp_seq=1 ttl=254 time=1.74 ms
64 bytes from 12.0.1.81: icmp_seq=2 ttl=254 time=0.832 ms
64 bytes from 12.0.1.81: icmp_seq=3 ttl=254 time=0.874 ms
64 bytes from 12.0.1.81: icmp_seq=4 ttl=254 time=0.900 ms
64 bytes from 12.0.1.81: icmp_seq=5 ttl=254 time=0.814 ms
```

ssh://ec2-user@34.201.76.216:22

SSH2 xterm 191x36 36,1 1 session 2:04 AM 8/28/2022 CAP NUM



[Cancel](#)

Create transit gateway attachment

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New VPC Experience Tell us what you think X

You successfully created VPN attachment vpn-0c72074572b1132f4 / transit-vpn-attachments. The VPN connection was successfully created. The new attachment may take up to a minute to appear in the transit gateway attachments grid. Refresh the grid to see the attachment. To manage this VPN connection, visit [VPN Connections](#).

Transit gateway attachments (3) Info

<input type="checkbox"/>	Name	Transit gateway attachment ID	Transit gateway ID	Resource type	Resource ID
<input type="checkbox"/>	transit-gwy-attach...	tgw-attach-0000bd12b5326be46	tgw-097c2e5ea7efc3aab	VPC	vpc-0a664b1a
<input type="checkbox"/>	+transit-gwy-attach	+transit-gwy-attach-01-400d0c-e5f11-11	+tgw-007c2e5ea7efc3aab	VPC	vpc-0ed101-11

Select a transit gateway attachment



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Firewalls

Firewall policies

Network Firewall rule groups

Virtual private network (VPN)

Customer gateways

Virtual private gateways

Site-to-Site VPN connections

Client VPN endpoints

AWS Cloud WAN

Network Manager

Transit gateways

Transit gateways

Transit gateway

Customer gateways (1/1) [Info](#)

Actions ▾

Create customer gateway

Name	Customer gateway ID	State	BGP ASN	IP address
-	cgw-0944d5eb9289029af	Available	65000	33.152.58.96

cgw-0944d5eb9289029af

Details

Tags

Details

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IAM

Firewalls
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Network Firewall rule groups

Virtual private network (VPN)

- Customer gateways
- Virtual private gateways
- Site-to-Site VPN connections**
- Client VPN endpoints

AWS Cloud WAN

- Network Manager

Transit gateways

- Transit gateways
- Transit gateway

VPN connections (1/1) Info

C Actions Download configuration Create VPN connection

Filter VPN connections < 1 >

Name	VPN ID	State	Virtual private gateway	Transit gateway
-	vpn-0c72074572b1132f4	Pending	-	tgw-097c2e5ea7efc3aab

vpn-0c72074572b1132f4

Details Tunnel details Tags

Details

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groups

Virtual private network (VPN)

Customer gateways

Virtual private gateways

Site-to-Site VPN connections

Client VPN endpoints

AWS Cloud WAN

Network Manager

Transit gateways

Transit gateways

Transit gateway attachments

Transit gateway policy tables

Transit gateway route

VPN connections (1/1) Info

C Actions Download configuration Create VPN connection

Filter VPN connections

Name	VPN ID	State	Virtual private gateway	Transit gateway
-	vpn-0c72074572b1132f4	Pending	-	tgw-097c2e5ea7efc3aab

Tunnel state

Tunnel number	Outside IP address	Inside IPv4 CIDR	Inside IPv6 CIDR	Status	Last status change
Tunnel 1	44.199.127.5	169.254.53.236/30	-	Down	August 28, 2022, 2:15:20 (UTC+05:30)
Tunnel 2	52.20.21.209	169.254.242.68/30	-	Down	August 28, 2022, 2:15:20 (UTC+05:30)