VPC settings

Resources to create   Info
Create only the VPC resource or the VPC and other networking resources.

○ VPC only	● VPC and more

Name tag auto-generation   Info
Enter a value for the Name tag. This value will be used to auto-generate Name tags for all resources in the VPC.

☑ Auto-generate

> lubna

IPv4 CIDR block   Info
Determine the starting IP and the size of your VPC using CIDR notation.

10.0.0.0/16	65,536 IPs

IPv6 CIDR block   Info
● No IPv6 CIDR block
○ Amazon-provided IPv6 CIDR block

Determine the starting IP and the size of your VPC using CIDR notation.

10.0.0.0/16	65,536 IPs

IPv6 CIDR block Info

⦿ No IPv6 CIDR block

◯ Amazon-provided IPv6 CIDR block

Tenancy Info

Default	▼

Number of Availability Zones (AZs) Info

Choose the number of AZs in which to provision subnets. We recommend at least two AZs for high availability.

1	2	3

▶ Customize AZs

Number of public subnets Info

The number of public subnets to add to your VPC. Use public subnets for web applications that need to be publicly accessible over the internet.

0	1

Number of private subnets Info

The number of private subnets to add to your VPC. Use private subnets to secure backend resources that don't need public access.

0	1	2

▼ Customize subnets CIDR blocks

Public subnet CIDR block in eu-central-1a

10.0.0.0/24	256 IPs

Number of private subnets Info

The number of private subnets to add to your VPC. Use private subnets to secure backend resources that don't need public access.

0	1	2

▼ **Customize subnets CIDR blocks**

Public subnet CIDR block in eu-central-1a

10.0.0.0/24	256 IPs

NAT gateways ($) Info

Choose the number of Availability Zones (AZs) in which to create NAT gateways. Note that there is a charge for each NAT gateway

None	In 1 AZ	1 per AZ

VPC endpoints Info

Endpoints can help reduce NAT gateway charges and improve security by accessing S3 directly from the VPC. By default, full access policy is used. You can customize this policy at any time.

None	S3 Gateway

DNS options Info

☑ Enable DNS hostnames
☑ Enable DNS resolution

▶ **Additional tags**

Cancel   **Create VPC**

Create VPC workflow

⊘ Success

▼ Details

⊘ Create VPC: vpc-0a3098353c91b66f1 ⧉

⊘ Enable DNS hostnames

⊘ Enable DNS resolution

⊘ Verifying VPC creation: vpc-0a3098353c91b66f1 ⧉

⊘ Create subnet: subnet-0069d46188245cdef ⧉

⊘ Create internet gateway: igw-0866e65cec2a05896 ⧉

⊘ Attach internet gateway to the VPC

⊘ Create route table: rtb-0d59619d6dd59e9aa ⧉

⊘ Create route

⊘ Associate route table

⊘ Verifying route table creation

View VPC

```
[   26.302718] cloud-init[3239]: Installing : apr-util-bdb-1.6.1-5.amzn2.0.2.x86_64              2/9
[   26.343709] cloud-init[3239]: Installing : apr-util-1.6.1-5.amzn2.0.2.x86_64                  3/9
[   26.414820] cloud-init[3239]: Installing : httpd-tools-2.4.54-1.amzn2.x86_64                  4/9
[   26.439335] cloud-init[3239]: Installing : httpd-filesystem-2.4.54-1.amzn2.noarch             5/9
[   26.472737] cloud-init[3239]: Installing : generic-logos-httpd-18.0.0-4.amzn2.noarch          6/9
[   26.512261] cloud-init[3239]: Installing : mailcap-2.1.41-2.amzn2.noarch                      7/9
[   26.763907] cloud-init[3239]: Installing : mod_http2-1.15.19-1.amzn2.0.1.x86_64               8/9
[   26.936911] cloud-init[3239]: Installing : httpd-2.4.54-1.amzn2.x86_64                        9/9
[   26.956922] cloud-init[3239]: Verifying  : apr-util-1.6.1-5.amzn2.0.2.x86_64                  1/9
[   26.973302] cloud-init[3239]: Verifying  : apr-util-bdb-1.6.1-5.amzn2.0.2.x86_64              2/9
[   26.986519] cloud-init[3239]: Verifying  : httpd-tools-2.4.54-1.amzn2.x86_64                  3/9
[   26.999128] cloud-init[3239]: Verifying  : mod_http2-1.15.19-1.amzn2.0.1.x86_64               4/9
[   27.015425] cloud-init[3239]: Verifying  : httpd-2.4.54-1.amzn2.x86_64                        5/9
[   27.028780] cloud-init[3239]: Verifying  : mailcap-2.1.41-2.amzn2.noarch                      6/9
[   27.042820] cloud-init[3239]: Verifying  : generic-logos-httpd-18.0.0-4.amzn2.noarch          7/9
[   27.058535] cloud-init[3239]: Verifying  : httpd-filesystem-2.4.54-1.amzn2.noarch             8/9
[   27.173666] cloud-init[3239]: Verifying  : apr-1.7.0-9.amzn2.x86_64                           9/9
[   27.184473] cloud-init[3239]: Installed:
[   27.199685] cloud-init[3239]: httpd.x86_64 0:2.4.54-1.amzn2
[   27.211662] cloud-init[3239]: Dependency Installed:
```

Instance summary for i-08072906aa1c4d446 (apache-lubna) Info

Updated less than a minute ago

[C] [Connect] [Instance state ▼] [Actions ▼]

Instance ID
⊡ i-08072906aa1c4d446 (apache-lubna)

Public IPv4 address
⊡ 18.184.36.18 | open address ↗

Private IPv4 addresses
⊡ 10.0.0.122

IPv6 address
–

Instance state
⊘ Running

Public IPv4 DNS
⊡ ec2-18-184-36-18.eu-central-
1.compute.amazonaws.com | open address ↗

Hostname type
IP name: ip-10-0-0-122.eu-central-
1.compute.internal

Private IP DNS name (IPv4 only)
⊡ ip-10-0-0-122.eu-central-1.compute.internal

Answer private resource DNS name
IPv4 (A)

Instance type
t2.micro

Elastic IP addresses
–

Auto-assigned IP address
⊡ 18.184.36.18 [Public IP]

VPC ID
⊡ vpc-0a3098353c91b66f1 (lubna-vpc) ↗

AWS Compute Optimizer finding
ⓘ Opt-in to AWS Compute Optimizer for recomme
ndations.
| Learn more ↗

← → C ⚠ Not secure | 18.184.36.18   ⊕ ↗

▮ google ▮ Web ▮ wuzzuf ▮ pay ▮ freelance ▮ important courses s... ▮ ES ▮ canada & scholar ▮ devops ▮ other ▮ solving problems ▮ prog ▮ sp-de

"Hello World from ip-10-0-0-122.eu-central-1.compute.internal"

Details

Subnet ID
⊡ subnet-020f59f66c9ce699a

Subnet ARN
⊡ arn:aws:ec2:eu-central-
1:248375036086:subnet/subnet-
020f59f66c9ce699a

State
⊘ Available

IPv4 CIDR
⊡ 10.0.1.0/24

Available IPv4 addresses
⊡ 251

Availability Zone
⊡ eu-central-1a

Availability Zone ID
⊡ euc1-az2

Network border group
⊡ eu-central-1

IPv6 CIDR
–

Route table
rtb-0dc9821b5b9e8b69a

Network ACL
acl-02ac910c962e48223

VPC
vpc-0a3098353c91b66f1 | lubna-
vpc

Default subnet
No

Auto-assign IPv6 address
No

Auto-assign customer-owned IPv4
address
No

Customer-owned IPv4 pool
–

Auto-assign public IPv4 address
No

IPv4 CIDR reservations
–

IPv6 CIDR reservations
–

IPv6-only
No

Outpost ID
–

Resource name DNS A record
Disabled

Resource name DNS AAAA record

nat-08edf552ad1081f90 / nat

Delete

Details Info

NAT gateway ID nat-08edf552ad1081f90	**Connectivity type** Public	**State** ⊙ Pending	**State message** Info –
NAT gateway ARN arn:aws:ec2:eu-central-1:248375036086:natgateway/nat-08edf552ad1081f90	**Elastic IP address** –	**Primary private IPv4 address** –	**Network interface ID** –
VPC vpc-0a3098353c91b66f1 / lubna-vpc	**Subnet** subnet-0069d46188245cdef / lubna-subnet-public1-eu-central-1a	**Created** Tuesday, December 27, 2022 at 15:46:38 GMT+2	**Deleted** –

Instance summary for i-0857504fea93f31f0 (apache-ec2) Info
Updated less than a minute ago

↻ Connect Instance state ▼ Actions ▼

Instance ID
i-0857504fea93f31f0 (apache-ec2)

Public IPv4 address
–

Private IPv4 addresses
10.0.1.242

IPv6 address
–

Instance state
⊘ Running

Public IPv4 DNS
–

Hostname type
IP name: ip-10-0-1-242.eu-central-1.compute.internal

Private IP DNS name (IPv4 only)
ip-10-0-1-242.eu-central-1.compute.internal

Answer private resource DNS name
IPv4 (A)

Instance type
t2.micro

Elastic IP addresses
–

Auto-assigned IP address
–

VPC ID
vpc-0a3098353c91b66f1 (lubna-vpc) ↗

AWS Compute Optimizer finding
ⓘ Opt-in to AWS Compute Optimizer for recommendations.
| Learn more ↗

IAM Role
–

Subnet ID
subnet-020f59f66c9ce699a (lim) ↗

Auto Scaling Group name
–

Edit routes

Destination	Target	Status	Propagated	
10.0.0.0/16	🔍 local ✕	⊘ Active	No	
🔍 0.0.0.0/0 ✕	🔍 nat-08edf552ad1081f90 ✕	–	No	Remove

Add route

Cancel   Preview   **Save changes**

```
[   25.467665] cloud-init[3239]: Running transaction
[   26.270024] cloud-init[3239]: Installing : apr-1.7.0-9.amzn2.x86_64                    1/9
[   26.302718] cloud-init[3239]: Installing : apr-util-bdb-1.6.1-5.amzn2.0.2.x86_64       2/9
[   26.343709] cloud-init[3239]: Installing : apr-util-1.6.1-5.amzn2.0.2.x86_64           3/9
[   26.414820] cloud-init[3239]: Installing : httpd-tools-2.4.54-1.amzn2.x86_64           4/9
[   26.439335] cloud-init[3239]: Installing : httpd-filesystem-2.4.54-1.amzn2.noarch      5/9
[   26.472737] cloud-init[3239]: Installing : generic-logos-httpd-18.0.0-4.amzn2.noarch  6/9
[   26.512261] cloud-init[3239]: Installing : mailcap-2.1.41-2.amzn2.noarch              7/9
[   26.763907] cloud-init[3239]: Installing : mod_http2-1.15.19-1.amzn2.0.1.x86_64       8/9
[   26.936911] cloud-init[3239]: Installing : httpd-2.4.54-1.amzn2.x86_64                9/9
[   26.956922] cloud-init[3239]: Verifying  : apr-util-1.6.1-5.amzn2.0.2.x86_64          1/9
[   26.973302] cloud-init[3239]: Verifying  : apr-util-bdb-1.6.1-5.amzn2.0.2.x86_64      2/9
[   26.986519] cloud-init[3239]: Verifying  : httpd-tools-2.4.54-1.amzn2.x86_64          3/9
[   26.999128] cloud-init[3239]: Verifying  : mod_http2-1.15.19-1.amzn2.0.1.x86_64       4/9
[   27.015425] cloud-init[3239]: Verifying  : httpd-2.4.54-1.amzn2.x86_64                5/9
[   27.028780] cloud-init[3239]: Verifying  : mailcap-2.1.41-2.amzn2.noarch              6/9
[   27.042820] cloud-init[3239]: Verifying  : generic-logos-httpd-18.0.0-4.amzn2.noarch  7/9
[   27.058535] cloud-init[3239]: Verifying  : httpd-filesystem-2.4.54-1.amzn2.noarch     8/9
[   27.173666] cloud-init[3239]: Verifying  : apr-1.7.0-9.amzn2.x86_64                   9/9
[   27.184473] cloud-init[3239]: Installed:
```