

A VPC is an isolated portion of the AWS Cloud populated by AWS objects, such as Amazon EC2 instances.

## 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 - *optional*

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

Testvpc

### IPv4 CIDR block [Info](#)

☒ IPv4 CIDR manual input

☐ IPAM-allocated IPv4 CIDR block

### IPv4 CIDR

10.0.0.0/16

### IPv6 CIDR block [Info](#)

☒ No IPv6 CIDR block

☐ IPAM-allocated IPv6 CIDR block

☐ Amazon-provided IPv6 CIDR block

☐ IPv6 CIDR owned by me

### Tenancy [Info](#)

Default

VPC > Subnets > Create subnet

## Create subnet [Info](#)

### VPC

#### VPC ID

Create subnets in this VPC.

vpc-024da452255739eca (Testvpc) ▼

#### Associated VPC CIDRs

##### IPv4 CIDRs

10.0.0.0/16

### Subnet settings

Specify the CIDR blocks and Availability Zone for the subnet.

#### Subnet 1 of 2

##### Subnet name

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

Test private subnet

The name can be up to 256 characters long.



The name can be up to 256 characters long.

### Availability Zone [Info](#)

Choose the zone in which your subnet will reside, or let Amazon choose one for you.

US West (Oregon) / us-west-2a

### IPv4 CIDR block [Info](#)

10.0.2.0/24

### ▼ Tags - optional

Key

Name

Value - optional

Test private subnet

Remove

Add new tag

You can add 49 more tags.

Remove

## Subnet 2 of 2

### Subnet name

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

Test Public subnet

The name can be up to 256 characters long.

### Availability Zone [Info](#)

Choose the zone in which your subnet will reside, or let Amazon choose one for you.

#### Subnet name

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

The name can be up to 256 characters long.

#### Availability Zone [Info](#)

Choose the zone in which your subnet will reside, or let Amazon choose one for you.

#### IPv4 CIDR block [Info](#)

#### ▼ Tags - optional

Key



Value - optional



Remove

Add new tag

You can add 49 more tags.

Remove

Add new subnet

Cancel

Create subnet

# Create route table [Info](#)

A route table specifies how packets are forwarded between the subnets within your VPC, the internet, and your VPN connection.

## Route table settings

### Name - *optional*

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

### VPC

The VPC to use for this route table.

## Tags

A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

### Key



### Value - *optional*




## Edit subnet associations


Change which subnets are associated with this route table.

### Available subnets (1/2)

< 1 > 

	Name ▾	Subnet ID ▾	IPv4 CIDR ▾	IPv6 CIDR ▾	Route table ID ▾
<input checked="" type="checkbox"/>	Test Public subnet	subnet-014519a5a4e4c937f	10.0.3.0/24	–	Main (rtb-0cd580e24766261a5)
<input type="checkbox"/>	Test private subnet	subnet-0c25ddb33dce250b6	10.0.2.0/24	–	Main (rtb-0cd580e24766261a5)

### Selected subnets

subnet-014519a5a4e4c937f / Test Public subnet 

Cancel

Save associations

## Create internet gateway [Info](#)

An internet gateway is a virtual router that connects a VPC to the internet. To create a new internet gateway specify the name for the gateway below.

### Internet gateway settings

#### Name tag

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

### Tags - *optional*

A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

#### Key



#### Value - *optional*



You can add 49 more tags.







# Edit routes

Destination	Target	Status	Propagated
10.0.0.0/16	<div><div>Q</div><div>local</div><div>×</div></div>	✔ Active	No
<div><div>Q</div><div>0.0.0.0/0</div><div>×</div></div>	<div><div>Q</div><div>igw-04fe495393a0f219e</div><div>×</div></div>	-	No <div>Remove</div>
<div>Add route</div>			

Launch an instance [Info](#)

Name and tags [Info](#)

Name

Test server

[Add additional tags](#)

### ▼ Application and OS Images (Amazon Machine Image) [Info](#)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

🔍 Search our full catalog including 1000s of application and OS images

## 1

Amazon Linux 2 Kernel 5.10 AMI...[read more](#)  
ami-0d593311db5abb72b

t2.micro

New security group

1 volume(s) - 8 GiB

Launch instance



## Instance type

t2.micro

Free tier eligible ▾

Family: t2 1 vCPU 1 GiB Memory  
On-Demand Linux pricing: 0.0116 USD per Hour  
On-Demand Windows pricing: 0.0162 USD per Hour

[Compare instance types](#)▼ Key pair (login) [Info](#)

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - *required*

testkeypair ▾

[Create new key pair](#)▼ Network settings [Info](#)VPC - *required* [Info](#)

vpc-024da452255739eca (Testvpc)  
10.0.0.0/16 ▾



## ▼ Summary

Number of instances [Info](#)

1

[Software Image \(AMI\)](#)

Amazon Linux 2 Kernel 5.10 AMI...[read more](#)  
ami-0d593311db5abb72b

[Virtual server type \(instance type\)](#)

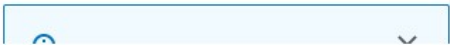
t2.micro

[Firewall \(security group\)](#)

New security group

[Storage \(volumes\)](#)

1 volume(s) - 8 GiB



Cancel

[Launch instance](#)

vpc-024da452255739eca (Testvpc)  
10.0.0.0/16

### Subnet Info

subnet-014519a5a4e4c937f	Test Public subnet
VPC: vpc-024da452255739eca	Owner: 732523641062
Availability Zone: us-west-2a	IP addresses available: 251
	CIDR: 10.0.3.0/24

 [Create new subnet](#)

Auto-assign public IP [Info](#)

Enable 

Firewall (security groups) [Info](#)

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

☒ Create security group

Security group name - *required*

Test security group	
---------------------	--

This security group will be added to all network interfaces. The name can't be edited after the security group is created. Max length is 255 characters. Valid characters: a-z, A-Z, 0-9, spaces, and .-:/()#,@[]+=&:{}!\$\*

Description - [required](#) [Info](#)

Allow traffic from internet

### Inbound security groups rules

▼ Security group rule 1 (TCP: 22, 0.0.0.0/0) Remove

### ▼ Summary

Number of instances [Info](#)1

## Software Image (AMI)

Amazon Linux 2 Kernel 5.10 AMI...[read more](#)  
ami-0d593311db5abb72b

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

### Storage (volumes)

1 volume(s) - 8 GiB

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Cancel

### Launch instance

Services

Search

[Alt+S]

EC2

AWS Budgets

AWS Cost Explorer

Trusted Advisor

Lambda

Route 53

S3

CloudWatch

CloudFormation

Lightsail

CloudTrail

VPC

GuardDuty

S3 Glacier

Storage

Type

Info

ssh

Source type

Info

Anywhere

Protocol

Info

TCP

Source

Info

Add CIDR, prefix list or security

0.0.0.0/0

Port range

Info

22

Description - optional

Info

e.g. SSH for admin desktop

Security group rule 2 (TCP, 80, 0.0.0.0/0)

Remove

Type

Info

HTTP

Source type

Info

Anywhere

Protocol

Info

TCP

Source

Info

Add CIDR, prefix list or security

0.0.0.0/0

Port range

Info

80

Description - optional

Info

e.g. SSH for admin desktop

Security group rule 3 (TCP, 443, 0.0.0.0/0)

Remove

Type

Info

HTTPS

Protocol

Info

TCP

Port range

Info

443

Summary

Number of instances

Info

1

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Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

Cancel

Launch instance



Select

Allow tags in metadata [Info](#)

Select ▼

User data [Info](#)

```
#!/bin/bash
yum update -y
yum install httpd -y
systemctl enable httpd
systemctl start httpd
echo "<html><h1>WELCOME TO TEST SERVER!</h1></html>"
```

☒ User data has already been base64 encoded

## ▼ Summary

Number of instances [Info](#)

1

[Software Image \(AMI\)](#)

Amazon Linux 2 Kernel 5.10 AMI...[read more](#)  
ami-0d593311db5abb72b

[Virtual server type \(instance type\)](#)

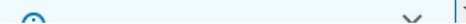
t2.micro

[Firewall \(security group\)](#)

New security group

[Storage \(volumes\)](#)

1 volume(s) - 8 GiB



Cancel

Launch instance



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
  - Capacity Reservations
- Images

Instances (1/1) Info

Find instance by attribute or tag (case-sensitive)

<input checked="" type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
<input checked="" type="checkbox"/>	Test server	i-05f5cd67b7193df47	<span>Running</span>	t2.micro	<span>2/2 checks passed</span>	No alarms +	us-west-2a	-

Instance: i-05f5cd67b7193df47 (Test server)

Details Security Networking Storage Status checks Monitoring Tags

▼ Instance summary Info

Instance ID i-05f5cd67b7193df47 (Test server)	Public IPv4 address 34.222.90.98   <a href="#">open address</a>	Private IPv4 addresses 10.0.3.24
IPv6 address -	Instance state <span>Running</span>	Public IPv4 DNS -
Hostname type IP name: ip-10-0-3-24.us-west-2.compute.internal	Private IP DNS name (IPv4 only) ip-10-0-3-24.us-west-2.compute.internal	

## Test Page

This page is used to test the proper operation of the Apache HTTP server after it has been installed. If you can read this page, it means that the Apache HTTP server installed at this site is working properly.

### If you are a member of the general public:

The fact that you are seeing this page indicates that the website you just visited is either experiencing problems, or is undergoing routine maintenance.

If you would like to let the administrators of this website know that you've seen this page instead of the page you expected, you should send them e-mail. In general, mail sent to the name "webmaster" and directed to the website's domain should reach the appropriate person.

For example, if you experienced problems while visiting `www.example.com`, you should send e-mail to `"webmaster@example.com"`.

### If you are the website administrator:

You may now add content to the directory `/var/www/html/`. Note that until you do so, people visiting your website will see this page, and not your content. To prevent this page from ever being used, follow the instructions in the file `/etc/httpd/conf.d/welcome.conf`.

You are free to use the image below on web sites powered by the Apache HTTP Server:



```
yum update -y
yum install httpd -y
systemctl enable httpd
systemctl start httpd
echo "<html><h1>WELCOME TO TEST SERVER!<h1><html>"
```

Copy user data

New user data

This user data will replace the current user data

- ☒ Modify user data as text  
Add your user data below
- ☐ Modify user data by importing a file  
Description of importing a file and what will happen to it

```
#!/bin/bash
yum update -y
yum install httpd -y
systemctl enable httpd
systemctl start httpd
echo "<html><h1>WELCOME TO TEST SERVER!<h1><html>">/var/www/html/index.html
```

☐ Input is already base64-encoded

Cancel Save

Services

Search [Alt+S]

EC2

AWS Budgets

AWS Cost Explorer

Trusted Advisor

Lambda

Route 53

S3

CloudWatch

CloudFormation

Lightsail

CloudTrail

VPC

GuardDuty

S3 Glacier

Storage

Type Info

ssh

Protocol Info

TCP

Port range Info

22

Source type Info

Anywhere

Source Info

Add CIDR, prefix list or security

0.0.0.0/0

Description - optional Info

e.g. SSH for admin desktop

Security group rule 2 (TCP, 80, 0.0.0.0/0)

Remove

Type Info

HTTP

Protocol Info

TCP

Port range Info

80

Source type Info

Anywhere

Source Info

Add CIDR, prefix list or security

0.0.0.0/0

Description - optional Info

e.g. SSH for admin desktop

Security group rule 3 (TCP, 443, 0.0.0.0/0)

Remove

Type Info

HTTPS

Protocol Info

TCP

Port range Info

443

Summary

Number of instances Info

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Cancel

Launch instance