

Creating VPC

Your VPCs (1/3) [Info](#)

Search

Refresh

Actions

Create VPC

< 1 >

⌂

<input type="checkbox"/>	Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR	DHC
<input type="checkbox"/>	MY_VPC_01	vpc-02bc881b285363c1c	Available	10.0.0.0/24	-	<a href="#">dout</a>
<input type="checkbox"/>	-	vpc-0aae958f0a87ceddd	Available	172.31.0.0/16	-	<a href="#">dout</a>
<input checked="" type="checkbox"/>	VPC_ONLY-vpc	vpc-02e094e20ae6304ca	Available	10.0.0.0/24	-	<a href="#">dout</a>

Creating Subnet

Subnets (1/7) [Info](#)

Find resources by attribute or tag

Refresh

Actions

Create subnet

< 1 >

⌂

<input type="checkbox"/>	Name	Subnet ID	State	VPC	IPv4 CIDR
<input type="checkbox"/>	Private_01	subnet-02a8b89ddf412a156	Available	<a href="#">vpc-02ed94e20ae6304ca   VPC...</a>	10.0.0.128/28
<input type="checkbox"/>	Public_01	subnet-031ab74eba7bfd232	Available	<a href="#">vpc-02ed94e20ae6304ca   VPC...</a>	10.0.0.0/28
<input type="checkbox"/>	Private_02	subnet-070f7335ee8fb674f	Available	<a href="#">vpc-02ed94e20ae6304ca   VPC...</a>	10.0.0.144/28
<input type="checkbox"/>	-	subnet-057abadc92d71d81c	Available	<a href="#">vpc-0aae958f0a87ceddd</a>	172.31.32.0/20
<input checked="" type="checkbox"/>	Public_02	subnet-0626f6f83e1ba2fad	Available	<a href="#">vpc-02ed94e20ae6304ca   VPC...</a>	10.0.0.16/28

Subnet 1 of 1

Subnet name

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

Private\_01

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.

Asia Pacific (Mumbai) / ap-south-1a

IPv4 VPC CIDR block [Info](#)

Choose the IPv4 VPC CIDR block to create a subnet in.

10.0.0.0/16

IPv4 subnet CIDR block

10.0.3.0/24256 IPs

< > ^ v

Subnet 2 of 2

Subnet name

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

Private\_O2

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.

Asia Pacific (Mumbai) / ap-south-1a

IPv4 VPC CIDR block [Info](#)

Choose the IPv4 VPC CIDR block to create a subnet in.

10.0.0.0/16

IPv4 subnet CIDR block

10.0.4.0/24

256 IPs

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Tags - optional

Remove

RouteTable

Route tables (6) [Info](#)

Find resources by attribute or tag

Actions

Create route table

< 1 >

<input type="checkbox"/>	Name	Route table ID	Explicit subnet associati...	Edge associations	Main	VPC
<input type="checkbox"/>	VPC_ONLY-rtb-public	rtb-08684f9ce2684247d	2 subnets	-	No	<a href="#">vpc-02ed94e20ae6304</a>
<input type="checkbox"/>	-	rtb-0d5e1819710a6c85e	-	-	Yes	<a href="#">vpc-0aae958f0a87cedd</a>
<input type="checkbox"/>	VPC_ONLY-rtb-private	rtb-064e6af52c27133a3	2 subnets	-	No	<a href="#">vpc-02ed94e20ae6304</a>

Security group

Security Groups (4) [Info](#)

Find resources by attribute or tag

Actions

Export security groups to CSV

Create security group

< 1 >

<input type="checkbox"/>	Name	Security group ID	Security group name	VPC ID	Description
<input type="checkbox"/>	-	<a href="#">sg-061a9440ae699cf2e</a>	default	<a href="#">vpc-0aae958f0a87cedd</a>	default VPC
<input type="checkbox"/>	-	<a href="#">sg-0d363bbf296e61873</a>	SecurityGroup_01	<a href="#">vpc-02ed94e20ae6304</a>	SecurityGro

Create two Instance Public instance and Private Instance

Instances (2) [Info](#)

Find instance by attribute or tag (case-sensitive)

Instance state: running

Clear filters

Connect

Instance state

Actions

Launch instances

< 1 >


<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public I
<input type="checkbox"/>	InstancePUBLIC	<a href="#">i-050acfdedbecfb4c9</a>	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1a	ec2-13-
<input type="checkbox"/>	InstancePRIVATE	<a href="#">i-0944d6e315ded7afb</a>	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1a	-

## ▼ 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


### Quick Start




Amazon Linux




macOS




Ubuntu




Windows



Red Hat



SUSE Linux



Browse more AMIs

Including AMIs from AWS, Marketplace and the Community

### Amazon Machine Image (AMI)

Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type Free tier eligible  
ami-074f77adfee318d3 (64-bit (x86)) / ami-02de2250aae8087a0 (64-bit (Arm))  
Virtualization: hvm    ENA enabled: true    Root device type: ebs

## ▼ Instance type [Info](#) | [Get advice](#)

### Instance type

t2.micro Free tier eligible

Family: t2    1 vCPU    1 GiB Memory    Current generation: true  
On-Demand Linux base pricing: 0.0124 USD per Hour  
On-Demand Windows base pricing: 0.017 USD per Hour  
On-Demand RHEL base pricing: 0.0724 USD per Hour  
On-Demand SUSE base pricing: 0.0124 USD per Hour

☒ All generations

[Compare instance types](#)

Additional costs apply for AMIs with pre-installed software

## Create Key Pair

### Create key pair

#### Key pair name

Key pairs allow you to connect to your instance securely.

Test

The name can include up to 255 ASCII characters. It can't include leading or trailing spaces.

#### Key pair type


☒ RSA  
RSA encrypted private and public key pair

☐ ED25519  
ED25519 encrypted private and public key pair

#### Private key file format

☒ .pem  
For use with OpenSSH

☐ .ppk  
For use with PuTTY

 When prompted, store the private key in a secure and accessible location on your computer. You will need it later to connect to your instance. [Learn more](#)

Cancel

Create key pair

```

graph TD
    A[Amazon Linux 2] --> B[AL2 End of Life is 2025-06-30.]
    B --> C[A newer version of Amazon Linux is available!]
    C --> D[Amazon Linux 2023, GA and supported until 2028-03-15.]
    D --> E[https://aws.amazon.com/linux/amazon-linux-2023/]

```

```
[ec2-user@ip-10-0-0-11 ~]$ vi private_server_key.pem
[ec2-user@ip-10-0-0-11 ~]$ [New] 27L, 1675B written
```

```

weekKcz+B5qYBYcyd2dAYHZX0n5/5JhovMxzRqW52SGjuXaLsAN3nB5Ex57qbyoZ
MgCYStzMcWzJ7WRcu+mvKwMM5j5nmxEtmP+uhwIDAQABAoIBABEpUS2VrJrNbJGx
/gr0N6uiHFu0R0zvFVm1YxCeMHEXU46sDBLJYK6ehweShReS3A8Xr1/8hL08gge+
rkbUo1y4cPYnwIBuUzU+d1JzKZFQAX2itUKnzvxFEA0couCU0DtJ9NIY3w2Z3Mam
rBfs14Cw/SbaRqXzwIncbI4blbd1dn3LXJ4JueMvjD7StVdaXzR1YKZZeTEzC1bA
wnpf/GKBy05ZDK3L33u+JJTlU9X1nc0BbS5Ecm1RE3qmmWoKKhnhHZtiuKrLka0V
UubgeFmVTr3eUgeJX2wMseADzFsmKHvXHW72GZ2/Py3vGS2b8jTFcjKG1Uw4FIId
fS82K1kCgYEA7Mxatx8Qf7LVu2f0S8Jw2EuRqay7cRE138V0tgSgwW+jCYow1Gem
7IirxCfQyrCOBJ/Vf0cWREGRFlug18SnM6q5Pa/zYEu27mR2Qx5YH7rcd3cm140
MD5jz2zCMJMP0V7YS+s7BS0A3640EW4GNs/aMnUquh9ZvSmaX+3wJIMCgYEAo8I0
TlQrz6hT3nw6ASfXewja8xSyCky7bWxqTXZWKVtJ+6RJku789KCHTKsJqJ1/mci2
KlYohEAyhjTYv39Gq4KsajIrI7jlIzkXWi20NaPnynjQjjpgthDy14RWTW6CWD363
+zuFeak9nmIbNIVE9k0sg5Nntq8qQnLMhdxRVq0CgYAim3Me1DGrGA3Yh8FEnTQ0
yEaPj6kNSz5Hx+RLAb4kxxYCz01wpv1kUE0aKvAak1c0IfXnftZsVEKgnPnJ/+80
b73WHKHfPvGLQa9u+75RVNPnucg5cwZDOU1aWwWb64mIUBnSAemJ/+asTD24yeR
VytCeJE4BmDthXY7UuDn1QKBgA7jzqu8nYsXLacT1pZaUA5bCWwG4TVsirJEzQwk
EWuLQGvgIULfSsLYGSLQfn1VbM/H30B00xTjXXS0g2z0Htfjdtf1HeU0n88XFtd9
Quv/rkjLuXLtxV27w3Hm61IuhNZ92C7A178bM14eX4jkAUQ/HQWntqV2wenu1Efr
o321AoGBAOoYrF9MOQDiU+OHj5m6uJeG5PtX+S/nldGXMEA+y17Jw0yUPuiIIT9g
p9exzUCZdcZyu915ouc4xQVYZvE2t9wI6TrgrBhzRV6fVcS191XcVXMXxt9ANT7v
13SyBj3u0Gy2SDPVJ5n3CFIXFEiLWYErCs7MdatyFU1B1QC+nXm5
-----END RSA PRIVATE KEY-----

```

Ln 13, Col 65

```
[ec2-user@ip-10-0-0-11 ~]$ ssh -i "Test.pem" ec2-user@10.0.0.138
Warning: Identity file Test.pem not accessible: No such file or directory.

^[[A^[[A^C
[ec2-user@ip-10-0-0-11 ~]$ ssh -i "private_server_key.pem" ec2-user@10.0.0.11
The authenticity of host '10.0.0.11 (10.0.0.11)' can't be established.
ECDSA key fingerprint is SHA256:x4NFrKULsJiMmDq6Y84qcEUcjXCS1ALgEo6WdmESfVA.
ECDSA key fingerprint is MD5:e7:09:11:cd:94:b8:bc:0b:0f:c3:74:ea:41:fe:63:50.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '10.0.0.11' (ECDSA) to the list of known hosts.
@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
@                WARNING: UNPROTECTED PRIVATE KEY FILE!                @
@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
Permissions 0664 for 'private_server_key.pem' are too open.
It is required that your private key files are NOT accessible by others.
This private key will be ignored.
```