AWS VPC

Create VPC

A VPC is an isolated portion of the AWS cloud populated by AWS objects, such as Amazon EC2 instances. You must specify an IPv4 address range for your VPC. Specify the IPv4 address range as a Classless Inter-Domain Routing (CIDR) block; for example, 10.0.0.0/16. You cannot specify an IPv4 CIDR block larger than /16. You can optionally associate an IPv6 CIDR block with the VPC.

Name tag MyVPC ⓘ

IPv4 CIDR block* 10.0.0.0/16 ⓘ

IPv6 CIDR block
- ● No IPv6 CIDR Block ⓘ
- ○ Amazon provided IPv6 CIDR block
- ○ IPv6 CIDR owned by me

Tenancy Default ▾ ⓘ

* Required

Cancel **Create**

Create VPC

The following VPC was created:

VPC ID   vpc-034ec11f25216d227

Close

Create VPC   **Actions ▾**

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🔍 Filter by tags and attributes or search by keyword

|< < 1 to 2 of 2 > >|

	Name ▾	VPC ID	State ▾	IPv4 CIDR	IPv6 CIDR	DHCP options set	Main Route table	Main Network ACL	Tenancy ▾	Default VPC ▾	Owner
☐	MyVPC	vpc-034ec11f25216…	available	10.0.0.0/16	-	dopt-a126d6ca	rtb-0a00e6abb…	acl-0e2231c3c41…	default	No	80314941006:
☑		vpc-680f1a00	available	172.31.0.0/16	-	dopt-a126d6ca	rtb-6c32f907	acl-f937cb92	default	Yes	80314941006:

VPC: vpc-680f1a00

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Description   CIDR Blocks   Flow Logs   Tags

VPC ID	vpc-680f1a00
State	available
IPv4 CIDR	172.31.0.0/16
IPv6 Pool	-
Network ACL	acl-f937cb92
DHCP options set	dopt-a126d6ca
Owner	803149410062

Tenancy	default
Default VPC	Yes
IPv6 CIDR	-
DNS resolution	Enabled
DNS hostnames	Enabled
Route table	rtb-6c32f907

Create subnet

Specify your subnet's IP address block in CIDR format; for example, 10.0.0.0/24. IPv4 block sizes must be between a /16 netmask and /28 netmask, and can be the same size as your VPC. An IPv6 CIDR block must be a /64 CIDR block.

Name tag AppSubnet ⓘ

VPC* vpc-034ec11f25216d227 ▼ ⓘ

Availability Zone ap-south-1a ▼ ⓘ

VPC CIDRs

CIDR	Status	Status Reason	
10.0.0.0/16	associated		

IPv4 CIDR block* 10.0.1.0/24 ⓘ

* Required

Cancel Create

Create subnet

✓ The following Subnet was created:

Subnet ID   subnet-0192db2667fe86cb2

Close

Create subnet   **Actions** ▾

search : myVPC ✕   Add filter

|◁ ◁ 1 to 3 of 3 ▷ ▷|

	Name	▾	Subnet ID	▾	State	▾	VPC	▾	IPv4 CIDR	▾	Available IPv4	▾	IPv6 CIDF	Availability Zone	▲	Availability Zone ID	▾	Route table
■	AppSubnet		subnet-0192db2667fe86cb2		available		vpc-034ec11f25216d227 | MyVPC		10.0.1.0/24		251		-	ap-south-1a		aps1-az1		rtb-0a00e6abb4001efb7
☐	DBSubnet		subnet-0890b5e333f532866		available		vpc-034ec11f25216d227 | MyVPC		10.0.2.0/24		251		-	ap-south-1b		aps1-az3		rtb-0a00e6abb4001efb7
☐	ToolsSubnet		subnet-083b58c7c9f6c0b3b		available		vpc-034ec11f25216d227 | MyVPC		10.0.3.0/24		251		-	ap-south-1c		aps1-az2		rtb-0a00e6abb4001efb7

Subnet: subnet-0192db2667fe86cb2

Description | Flow Logs | Route Table | Network ACL | Tags | Sharing

Subnet ID	subnet-0192db2667fe86cb2
VPC	vpc-034ec11f25216d227 | MyVPC
Available IPv4 Addresses	251
Availability Zone	ap-south-1a (aps1-az1)
Network ACL	acl-0e2231c3c4114b955
Auto-assign public IPv4 address	No
Owner	803149410062

State	available
IPv4 CIDR	10.0.1.0/24
IPv6 CIDR	-
Route Table	rtb-0a00e6abb4001efb7
Default subnet	No
Auto-assign IPv6 address	No

Create route table   **Actions ▾**

🔍 **Route Table ID** : rtb-0a00e6abb4001efb7 ⊗ | Add filter |< < **1 to 1 of 1** > >|

☑	Name	▾	Route Table ID	▲	Explicit subnet association	Edge associations	Main	VPC ID	▾	Owner	▾
☑	MyRouteTable		rtb-0a00e6abb4001efb7		3 subnets	-	Yes	vpc-034ec11f25216d227 | MyVPC		803149410062	

Route Table: rtb-0a00e6abb4001efb7

| Summary | Routes | **Subnet Associations** | Edge Associations | Route Propagation | Tags |

Edit subnet associations

|< < **1 to 3 of 3** > >|

Subnet ID	IPv4 CIDR	IPv6 CIDR
subnet-0192db2667fe86c...	10.0.1.0/24	-
subnet-0890b5e333f5328...	10.0.2.0/24	-
subnet-083b58c7c9f6c0b...	10.0.3.0/24	-

The following subnets have not been explicitly associated with any route tables and are therefore associated with the main route table:

|< < **None found** > >|

Subnet ID	IPv4 CIDR	IPv6 CIDR

All your subnets are associated with a route table.

VPC Dashboard

Filter by VPC:

Select a VPC

VIRTUAL PRIVATE CLOUD

Your VPCs

Subnets

Route Tables

Internet Gateways

Egress Only Internet Gateways

DHCP Options Sets

Elastic IPs

Endpoints

Endpoint Services

NAT Gateways

Peering Connections

SECURITY

Network ACLs

Security Groups

VIRTUAL PRIVATE NETWORK (VPN)

Customer Gateways

Virtual Private Gateways

Site-to-Site VPN Connections

Create internet gateway   **Actions** ▾

Filter by tags and attributes or search by keyword

	Name	ID	State	VPC	Owner
■	MyInternetGateway	igw-0873fe855ade…	attached	vpc-034ec11f252…	803149410062
☐		igw-2b5afd43	attached	vpc-680f1a00	803149410062

Internet gateway: igw-0873fe855ade8e375

Description   **Tags**

ID   igw-0873fe855ade8e375   Attached VPC ID   vpc-034ec11f25216d227 | MyVPC
State   attached   Owner   803149410062

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🔍 Filter by tags and attributes or search by keyword ❓ |◁ ◁ 1 to 2 of 2 ▷ ▷|

	Name ▾	Instance ID ▲	Instance Typ▾	Availability Zon▾	Instance State▾	Status Checks ▾	Alarm Status		Public DNS (IPv4) ▾	IPv4 Public IP ▾	IPv▾	Key Name ▾	Monitoring ▾	Launch
☑	MyApp_1	i-02fa9360d...	t2.micro	ap-south-1a	🟢 running	✅ 2/2 checks ...	None	🏷️	ec2-15-206-166-86.ap-...	15.206.166.86	-	myKey	🟦 disabled	March 2
☐	DB_VM_1	i-0dd131620...	t2.micro	ap-south-1b	🟢 running	✅ 2/2 checks ...	None	🏷️		-	-	myKey	disabled	March 2

Instance: ▌i-02fa9360d3c3e5ed4 (MyApp_1)   **Public DNS:** ec2-15-206-166-86.ap-south-1.compute.amazonaws.com

Description | Status Checks | Monitoring | Tags

Instance ID	i-02fa9360d3c3e5ed4	Public DNS (IPv4)	ec2-15-206-166-86.ap-south-1.compute.amazonaws.com
Instance state	running	IPv4 Public IP	15.206.166.86
Instance type	t2.micro	IPv6 IPs	-
Finding	Opt-in to AWS Compute Optimizer for recommendations. Learn more	Elastic IPs	
Private DNS	ip-10-0-1-47.ap-south-1.compute.internal	Availability zone	ap-south-1a
Private IPs	10.0.1.47	Security groups	launch-wizard-1. view inbound rules. view outbound rules
Secondary private IPs		Scheduled events	No scheduled events
VPC ID	vpc-034ec11f25216d227 (MyVPC)	AMI ID	ubuntu/images/hvm-ssd/ubuntu-bionic-18.04-amd64-server-20200112 (ami-0620d12a9cf777c87)
Subnet ID	subnet-0192db2667fe86cb2 (AppSubnet)	Platform details	-
Network interfaces	eth0	Usage operation	-
IAM role	-	Source/dest. check	True
Key pair name	myKey	T2/T3 Unlimited	Disabled