Create VPC Info

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

VPC settings

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

Arty'sNewVPC

IPv4 CIDR block Info

30.0.0.0/16

IPv6 CIDR block Info

- (•) No IPv6 CIDR block
- ( ) Amazon-provided IPv6 CIDR block
- ( ) IPv6 CIDR owned by me

Tenancy Info

Default

You successfully created vpc-0ff4c5849a6503c10 / Arty'sNewVPC

VPC > Your VPCs > vpc-0ff4c5849a6503c10

vpc-0ff4c5849a6503c10 / Arty'sNewVPC

Actions

Details Info

VPC ID vpc-0ff4c5849a6503c10	State Available	DNS hostnames Disabled	DNS resolution Enabled
Tenancy Default	DHCP options set dopt-8b3975e0	Main route table rtb-0b60b83393887dd43	Main network ACL acl-033936775d448b67f
Default VPC No	IPv4 CIDR 30.0.0.0/16	IPv6 pool –	IPv6 CIDR –
Route 53 Resolver DNS Firewall rule groups –	Owner ID 054688304189		

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.

Arty's_IGW

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*	
Name	Arty's_IGW	Remove

Add new tag

You can add 49 more tags.

The following internet gateway was created: igw-092fa2f07934f40ab . You can now attach to a VPC to enable the VPC to communicate with the internet.

Attach to a VPC

VPC > Internet gateways > igw-092fa2f07934f40ab

igw-092fa2f07934f40ab / Arty's_IGW

Actions

Details Info

Internet gateway ID	State	VPC ID	Owner
igw-092fa2f07934f40ab	Detached	-	054688304189

Tags

Manage tags

Search tags

1

Key	Value
Name	Arty's_IGW

Attach to VPC (igw-092fa2f07934f40ab) Info

VPC

Attach an internet gateway to a VPC to enable the VPC to communicate with the internet. Specify the VPC to attach below.

Available VPCs

Attach the internet gateway to this VPC.

vpc-0ff4c5849a6503c10

▶ AWS Command Line Interface command

Cancel Attach internet gateway

Internet gateway igw-092fa2f07934f40ab successfully attached to vpc-0ff4c5849a6503c10

VPC > Internet gateways > igw-092fa2f07934f40ab

igw-092fa2f07934f40ab / Arty's_IGW

Actions

Details Info

Internet gateway ID	State	VPC ID	Owner
igw-092fa2f07934f40ab	Attached	vpc-0ff4c5849a6503c10 | Arty'sNewVPC	054688304189

Tags

Manage tags

Search tags

1

Key	Value
Name	Arty's_IGW

Subnet settings

Specify the CIDR blocks and Availability Zone for the subnet.

Subnet 1 of 1

Subnet name

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

Arty's New Subnet 1

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.

No preference

IPv4 CIDR block Info

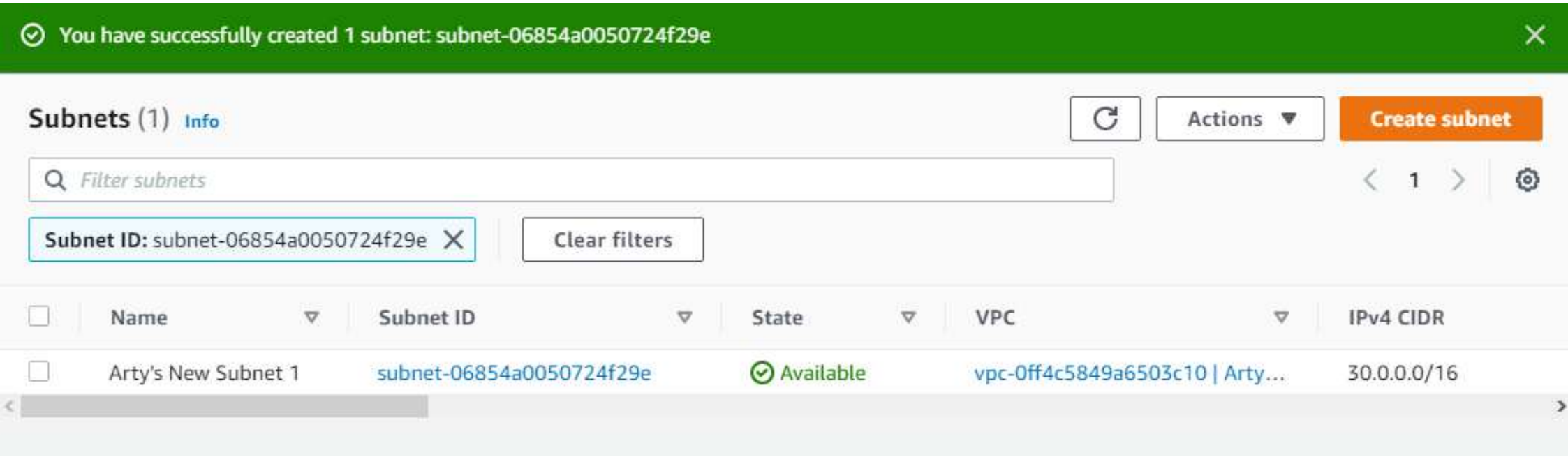
30.0.0.0/16

▼ Tags - *optional*

Key	Value - *optional*	
Name	Arty's New Subnet 1	Remove

Add new tag

You can add 49 more tags.


You have successfully created 1 subnet: subnet-06854a0050724f29e
Subnets (1) Info
Actions
Create subnet
Filter subnets
1
Subnet ID: subnet-06854a0050724f29e
Clear filters
Name
Subnet ID
State
VPC
IPv4 CIDR
Arty's New Subnet 1
subnet-06854a0050724f29e
Available
vpc-0ff4c5849a6503c10 | Arty...
30.0.0.0/16

Modify auto-assign IP settings Info

Enable the auto-assign IP address setting to automatically request a public IPv4 or IPv6 address for a new network interface in this subnet.

Settings

Subnet ID

subnet-06854a0050724f29e

Auto-assign IPv4 Info

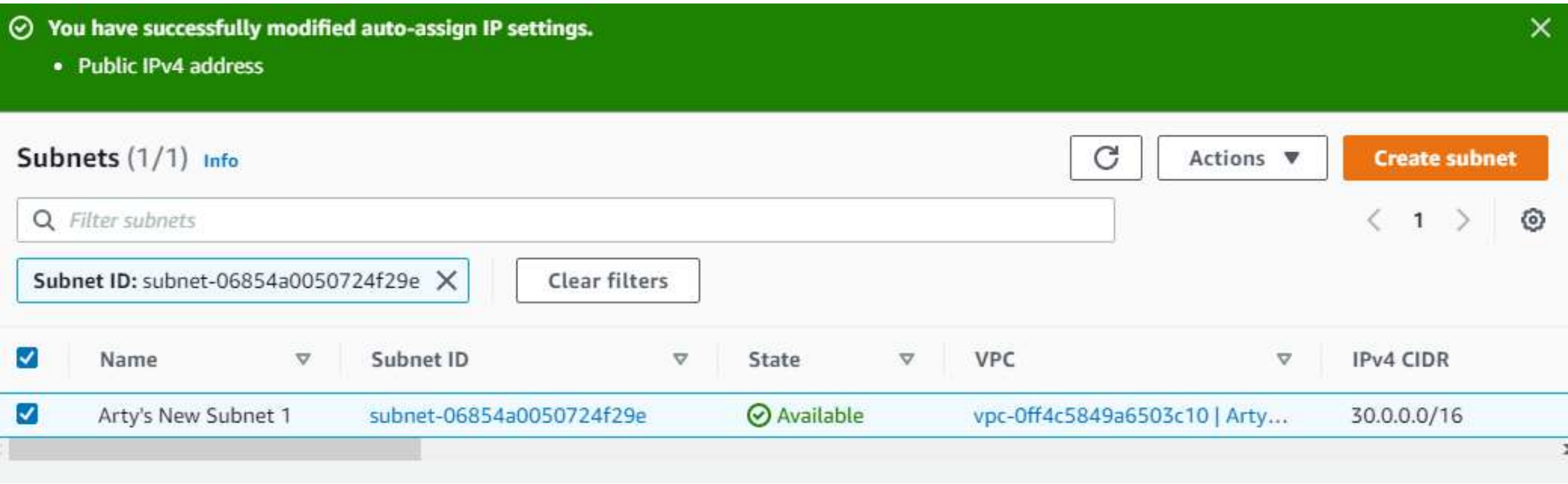
- [x] Enable auto-assign public IPv4 address

Auto-assign customer-owned IPv4 address Info

- [ ] Enable auto-assign customer-owned IPv4 address

Option disabled because no customer owned pools found.

Cancel Save


You have successfully modified auto-assign IP settings.
• Public IPv4 address
Subnets (1/1) Info
Actions
Create subnet
Filter subnets
1
Subnet ID: subnet-06854a0050724f29e
Clear filters
Name
Subnet ID
State
VPC
IPv4 CIDR
Arty's New Subnet 1
subnet-06854a0050724f29e
Available
vpc-0ff4c5849a6503c10 | Arty...
30.0.0.0/16

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.

Arty's New Route

VPC
The VPC to use for this route table.

vpc-0ff4c5849a6503c10 (Arty'sNewVPC)

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*	
Name	Arty's New Route	Remove

Add new tag

Route table rtb-0853cfb529bfc2414 | Arty's New Route was created successfully.

VPC > Route tables > rtb-0853cfb529bfc2414

rtb-0853cfb529bfc2414 / Arty's New Route

Actions

You can now check network connectivity with Reachability Analyzer

Run Reachability Analyzer

Details Info

Route table ID	Main	Explicit subnet associations	Edge associations
rtb-0853cfb529bfc2414	No	–	–

VPC	Owner ID
vpc-0ff4c5849a6503c10 | Arty'sNewVPC	054688304189

You successfully set the route table rtb-0853cfb529bfc2414 / Arty's New Route as main.

VPC > Route tables > rtb-0853cfb529bfc2414

rtb-0853cfb529bfc2414 / Arty's New Route

Actions

You can now check network connectivity with Reachability Analyzer

Run Reachability Analyzer

Details Info

Route table ID	Main	Explicit subnet associations	Edge associations
rtb-0853cfb529bfc2414	Yes	–	–

VPC	Owner ID
vpc-0ff4c5849a6503c10 | Arty'sNewVPC	054688304189

Edit routes

Destination	Target	Status	Propagated	
30.0.0.0/16	local	Active	No	
0.0.0.0/0	igw-092fa2f07934f40ab	–	No	Remove

Add route

Cancel | Preview | Save changes

Updated routes for rtb-0853cfb529bfc2414 / Arty's New Route successfully

Details

VPC > Route tables > rtb-0853cfb529bfc2414

rtb-0853cfb529bfc2414 / Arty's New Route

Actions

You can now check network connectivity with Reachability Analyzer

Run Reachability Analyzer

Details Info

Route table ID	Main	Explicit subnet associations	Edge associations
rtb-0853cfb529bfc2414	Yes	–	–

VPC	Owner ID
vpc-0ff4c5849a6503c10 | Arty'sNewVPC	054688304189

Step 1: Choose an Amazon Machine Image (AMI)

Cancel and Exit

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. You can select an AMI provided by AWS, our user community, or the AWS Marketplace; or you can select one of your own AMIs.

Search for an AMI by entering a search term e.g. "Windows"

Search by Systems Manager parameter

Quick Start

1 to 44 of 44 AMIs

My AMIs

AWS Marketplace

Community AMIs

Free tier only

Amazon Linux

Free tier eligible

Amazon Linux 2 AMI (HVM), SSD Volume Type - ami-00dfe2c7ce89a450b (64-bit x86) / ami-031dea1a744251b51 (64-bit Arm)

Amazon Linux 2 comes with five years support. It provides Linux kernel 4.14 tuned for optimal performance on Amazon EC2, systemd 219, GCC 7.3, Glibc 2.26, Binutils 2.29.1, and the latest software packages through extras. This AMI is the successor of the Amazon Linux AMI that is approaching end of life on December 31, 2020 and has been removed from this wizard.

Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

Select

64-bit (x86)

64-bit (Arm)

macOS Big Sur 11.5.2 - ami-0b1674fbcb9847f6d

The macOS Big Sur AMI is an EBS-backed, AWS-supported image. This AMI includes the AWS Command Line Interface, Command Line Tools for Xcode, Amazon SSM Agent, and Homebrew. The AWS Homebrew Tap includes the latest versions of multiple AWS packages included in the AMI.

Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

Select

64-bit (Mac)

Step 2: Choose an Instance Type

Amazon EC2 provides a wide selection of instance types optimized to fit different use cases. Instances are virtual servers that can run applications. They have varying combinations of CPU, memory, storage, and networking capacity, and give you the flexibility to choose the appropriate mix of resources for your applications. Learn more about instance types and how they can meet your computing needs.

Filter by: All instance families | Current generation | Show/Hide Columns

Currently selected: t2.micro (- ECUs, 1 vCPUs, 2.5 GHz, -, 1 GiB memory, EBS only)

	Family	Type	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance	IPv6 Support
☐	t2	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
☑	t2	t2.micro Free tier eligible	1	1	EBS only	-	Low to Moderate	Yes
☐	t2	t2.small	1	2	EBS only	-	Low to Moderate	Yes
☐	t2	t2.medium	2	4	EBS only	-	Low to Moderate	Yes
☐	t2	t2.large	2	8	EBS only	-	Low to Moderate	Yes

Step 3: Configure Instance Details

Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of the lower pricing, assign an access management role to the instance, and more.

Number of instances	1 Launch into Auto Scaling Group
Purchasing option	☐ Request Spot instances
Network	vpc-0ff4c5849a6503c10 | Arty'sNewVPC Create new VPC
Subnet	subnet-06854a0050724f29e | Arty's New Subnet 1 | u Create new subnet 65531 IP Addresses available
Auto-assign Public IP	Use subnet setting (Enable)
Placement group	☐ Add instance to placement group
Capacity Reservation	Open
Domain join directory	No directory Create new directory
IAM role	None Create new IAM role
Shutdown behavior	Stop

Cancel Previous Review and Launch Next: Add Storage

Step 4: Add Storage

Your instance will be launched with the following storage device settings. You can attach additional EBS volumes and instance store volumes to your instance, or edit the settings of the root volume. You can also attach additional EBS volumes after launching an instance, but not instance store volumes. Learn more about storage options in Amazon EC2.

Volume Type	Device	Snapshot	Size (GiB)	Volume Type	IOPS	Throughput (MB/s)	Delete on Termination	Encryption
Root	/dev/xvda	snap-0350fa19a1ac7579d	8	General Purpose SSD (gp3)	3000	125	☑	Not Encrypte

Add New Volume

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. Learn more about free usage tier eligibility and usage restrictions.

Cancel Previous Review and Launch Next: Add Tags

Step 5: Add Tags

A tag consists of a case-sensitive key-value pair. For example, you could define a tag with key = Name and value = Webserver.
A copy of a tag can be applied to volumes, instances or both.
Tags will be applied to all instances and volumes. Learn more about tagging your Amazon EC2 resources.

Key (128 characters maximum)	Value (256 characters maximum)	Instances	Volumes	Network Interfaces	
Name	Arty's Modified EC2	☑	☑	☑	⊗

Add another tag (Up to 50 tags maximum)