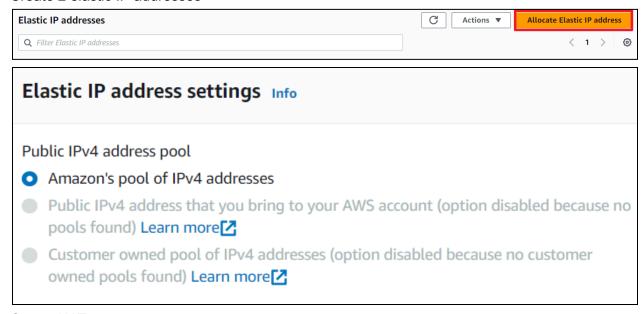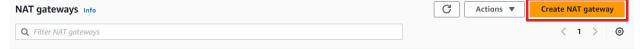NAT gateway is a managed service that allows instances within a private subnet in a VPC to connect to the Internet.

For any instance in the private subnet, the private subnet will not be able to access the Internet and users from the Internet will not be able to access that instance as well.
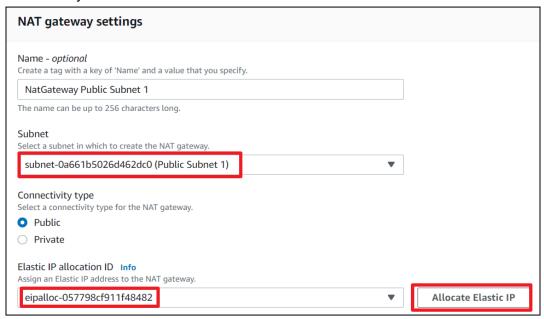
Create 2 elastic IP addresses

Create NAT gateway

NatGateway Public Subnet 1

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 ✕	🔍 NatGateway Public Subnet 1 ✕	Remove

After you have created a NAT gateway, you must update the route table associated with the private subnets to point internet-bound traffic to the NAT gateway.

Route tables (1/4) Info

	Name ▽	Route table ID ▽	Explicit subnet associati...	Edge associations	Main ▽	VPC
☐	–	rtb-0c888fead5935b3be	–	–	Yes	vpc-041036603ad4568e2
☐	Public Route Table	rtb-0b5975e315c068c6b	2 subnets	–	Yes	vpc-0b3443802a0cc7c3e	Demo VPC
☑	Private Route Table 1	rtb-0d442a897af1e151f	2 subnets	–	No	vpc-0b3443802a0cc7c3e	Demo VPC
☐	Private Route Table 2	rtb-0e56cbfd88d931b07	2 subnets	–	No	vpc-0b3443802a0cc7c3e	Demo VPC

rtb-0d442a897af1e151f / Private Route Table 1

Details | Routes | Subnet associations | Edge associations | Route propagation | Tags

Routes (1)   Edit routes

Destination ▽	Target ▽	Status ▽	Propagated ▽
10.0.0.0/16	local	⊘ Active	No

Edit routes

Destination	Target
10.0.0.0/16	🔍 local ✕
🔍 0.0.0.0/0 ✕	🔍 |

Add route

Core Network
Egress Only Internet Gateway
Gateway Load Balancer Endpoint
Instance
Internet Gateway
local
NAT Gateway
NAT Gateway
Network Interface
Outpost Local Gateway
Peering Connection

🔍 nat- ✕

nat-00b913ad500f4274b (NatGateway Public Subnet 1)

NatGateway Public Subnet 2

NAT gateway settings

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

NatGateway Public Subnet 2

The name can be up to 256 characters long.

Subnet
Select a subnet in which to create the NAT gateway.

subnet-013e5df49b2580996 (Public Subnet 2) ▼

Connectivity type
Select a connectivity type for the NAT gateway.

- ● Public
- ○ Private

Elastic IP allocation ID   Info
Assign an Elastic IP address to the NAT gateway.

eipalloc-024730cad50a1566d ▼   **Allocate Elastic IP**

Key	Value - *optional*	
🔍 Name ✕	🔍 NatGateway Public Subnet 2 ✕	**Remove**

Route tables (1/4)   Info   ⟳   Actions ▼   **Create route table**

🔍 Find resources by attribute or tag   ‹ 1 › ⚙

	Name ▽	Route table ID ▽	Explicit subnet associati...	Edge associations	Main ▽	VPC
☐	–	rtb-0c888fead5935b3be	–	–	Yes	vpc-041036603ad4568e2
☐	Public Route Table	rtb-0b5975e315c068c6b	2 subnets	–	Yes	vpc-0b3443802a0cc7c3e | Demo VPC
☐	Private Route Table 1	rtb-0d442a897af1e151f	2 subnets	–	No	vpc-0b3443802a0cc7c3e | Demo VPC
☑	Private Route Table 2	rtb-0e56cbfd88d931b07	2 subnets	–	No	vpc-0b3443802a0cc7c3e | Demo VPC

rtb-0e56cbfd88d931b07 / Private Route Table 2

Details   **Routes**   Subnet associations   Edge associations   Route propagation   Tags

Routes (1)   **Edit routes**

🔍 Filter routes   Both ▼   ‹ 1 › ⚙

Edit routes

Destination	Target
10.0.0.0/16	🔍 local ✕
🔍 0.0.0.0/0 ✕	🔍 |

Add route

Core Network
Egress Only Internet Gateway
Gateway Load Balancer Endpoint
Instance
Internet Gateway
local
NAT Gateway
Network Interface
Outpost Local Gateway
Peering Connection

🔍 nat- ✕

nat-00b913ad500f4274b (NatGateway Public Subnet 1)

nat-06a71d53179140eef (NatGateway Public Subnet 2)