

Ohio Region  
VPC

aws

Services

Search for services, features, blogs, docs, and more

[Option+S]

Ohio

yupintl

S3

EC2

VPC

Secrets Manager

IAM

New VPC Experience

Tell us what you think

VPC Dashboard

EC2 Global View

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

Managed Prefix Lists

Endpoints

Endpoint Services

NAT Gateways

Peering Connections

Your VPCs (1/1)

Info

Actions

Create VPC

Filter VPCs

< 1 >

<input checked="" type="checkbox"/>	Name	VPC ID	State	IPv4
<input checked="" type="checkbox"/>	VPC1	vpc-0c9a8489c7ad2752f	Available	10.0.0.0/16

Details

VPC ID	State	DNS hostnames	DNS resolution
vpc-0c9a8489c7ad2752f	Available	Disabled	Enabled
Tenancy	DHCP options set	Main route table	Main network ACL
Default	dopt-008415f11ba558953	rtb-0836f93d14dcb45dd / Public	acl-088121b312226259
Default VPC	IPv4 CIDR	IPv6 pool	IPv6 CIDR
No	10.0.0.0/16	-	-
Route 53 Resolver DNS Firewall rule groups	Owner ID		
-	687916011071		

Internet Gateway

aws

Services

Search for services, features, blogs, docs, and more

[Option+S]

Ohio

yupintl

S3

EC2

VPC

Secrets Manager

IAM

New VPC Experience

Tell us what you think

VPC Dashboard

EC2 Global View

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

Managed Prefix Lists

Endpoints

Endpoint Services

NAT Gateways

Peering Connections

Internet gateways (1/1)

Info

Actions

Create Internet gateway

Filter Internet gateways

< 1 >

<input checked="" type="checkbox"/>	Name	Internet gateway ID	State	VPC ID
<input checked="" type="checkbox"/>	my-IG-0303	igw-02fb33a1a94e7dce5	Attached	vpc-0c9a8489c7ad2752f

igw-02fb33a1a94e7dce5 / my-IG-0303

Details

Tags

Details

Internet gateway ID	State	VPC ID	Owner
igw-02fb33a1a94e7dce5	Attached	vpc-0c9a8489c7ad2752f   VPC1	687916011071

Public Subnet

Services

Search for services, features, blogs, docs, and more

[Option+S]

S3

EC2

VPC

Secrets Manager

IAM

New VPC Experience

Tell us what you think

VPC Dashboard

EC2 Global View

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

Managed Prefix Lists

Endpoints

Endpoint Services

NAT Gateways

Peering Connections

SECURITY

Network ACLs

Security Groups

NETWORK ANALYSIS

Reachability Analyzer

Network Access Analyzer

Subnets (1/2)

Info

Filter subnets

1

Create subnet

	Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR
<input checked="" type="checkbox"/>	Subnet1	subnet-0b080073da4a432d1	Available	vpc-0c9a8489c7ad2752f   VPC1	10.0.1.0/24	-
<input type="checkbox"/>	Subnet2	subnet-0a609f379a804f722	Available	vpc-0c9a8489c7ad2752f   VPC1	10.0.0.0/24	-

Details

Subnet ID

subnet-0b080073da4a432d1

Available IPv4 addresses

248

VPC

vpc-0c9a8489c7ad2752f | VPC1

Auto-assign public IPv4 address

No

Outpost ID

-

Hostname type

-

IP name

-

Owner

687916011071

Subnet ARN

arn:aws:ec2:us-east-2:687916011071:subnet/subnet-0b080073da4a432d1

IPv6 CIDR

-

Route table

rtb-0836f93d14dcb45dd | Public

Auto-assign IPv6 address

No

IPv4 CIDR reservations

-

Resource name DNS A record

Disabled

State

Available

Availability Zone

us-east-2b

Network ACL

acl-088121b312226259

Auto-assign customer-owned IPv4 address

No

IPv6 CIDR reservations

-

Resource name DNS AAAA record

Disabled

IPv4 CIDR

10.0.1.0/24

Availability Zone ID

use2-az2

Default subnet

No

Customer-owned IPv4 pool

-

IPv6-only

No

DNS54

Disabled

Subnets (1/2)

Info

Filter subnets

1

Create subnet

	Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR
<input checked="" type="checkbox"/>	Subnet1	subnet-0b080073da4a432d1	Available	vpc-0c9a8489c7ad2752f   VPC1	10.0.1.0/24	-
<input type="checkbox"/>	Subnet2	subnet-0a609f379a804f722	Available	vpc-0c9a8489c7ad2752f   VPC1	10.0.0.0/24	-

subnet-0b080073da4a432d1 / Subnet1

Details

Flow logs

Route table

Network ACL

CIDR reservations

Sharing

Tags

Route table: rtb-0836f93d14dcb45dd / Public

Edit route table association

Routes (2)

Filter routes

1

Destination	Target
10.0.0.0/16	local
0.0.0.0/0	igw-02fb33a1a94e7dce5

Services

Search for services, features, blogs, docs, and more

[Option+S]

S3

EC2

VPC

Secrets Manager

IAM

New VPC Experience

Tell us what you think

VPC Dashboard

EC2 Global View

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

Managed Prefix Lists

Endpoints

Endpoint Services

NAT Gateways

Peering Connections

SECURITY

Network ACLs

Security Groups

NETWORK ANALYSIS

Reachability Analyzer

Network Access Analyzer

Subnets (1/2)

Info

Filter subnets

1

Create subnet

	Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR
<input checked="" type="checkbox"/>	Subnet1	subnet-0b080073da4a432d1	Available	vpc-0c9a8489c7ad2752f   VPC1	10.0.1.0/24	-
<input type="checkbox"/>	Subnet2	subnet-0a609f379a804f722	Available	vpc-0c9a8489c7ad2752f   VPC1	10.0.0.0/24	-

subnet-0b080073da4a432d1 / Subnet1

Details

Flow logs

Route table

Network ACL

CIDR reservations

Sharing

Tags

Route table: rtb-0836f93d14dcb45dd / Public

Edit route table association

Routes (2)

Filter routes

1

Destination	Target
10.0.0.0/16	local
0.0.0.0/0	igw-02fb33a1a94e7dce5

Private Subnet

aws

Services

Search for services, features, blogs, docs, and more

[Option+S]

S3

EC2

VPC

Secrets Manager

IAM

New VPC Experience

Tell us what you think

VPC Dashboard

EC2 Global View

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

Managed Prefix Lists

Endpoints

Endpoint Services

NAT Gateways

Peering Connections

SECURITY

Network ACLs

Security Groups

NETWORK ANALYSIS

Reachability Analyzer

Network Access Analyzer

Subnets (1/2)

Info

Filter subnets

	Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR
<input type="checkbox"/>	Subnet1	subnet-0b080073da4a432d1	Available	vpc-0c9a8489c7ad2752f   VPC1	10.0.1.0/24	-
<input checked="" type="checkbox"/>	Subnet2	subnet-0a609f379a804f722	Available	vpc-0c9a8489c7ad2752f   VPC1	10.0.0.0/24	-

Details

Subnet ID

subnet-0a609f379a804f722

Available IPv4 addresses

249

VPC

vpc-0c9a8489c7ad2752f | VPC1

Auto-assign public IPv4 address

No

Outpost ID

-

Hostname type

-

IP name

-

Owner

687916011071

Subnet ARN

arn:aws:ec2:us-east-2:687916011071:subnet/subnet-0a609f379a804f722

IPv6 CIDR

-

Route table

rtb-0dc727db8b3d6cab0 | route1

Auto-assign IPv6 address

No

IPv4 CIDR reservations

-

Resource name DNS A record

Disabled

State

Available

Availability Zone

us-east-2a

Network ACL

acl-088121b312226259

Auto-assign customer-owned IPv4 address

No

IPv6 CIDR reservations

-

Resource name DNS AAAA record

Disabled

IPv4 CIDR

10.0.0.0/24

Availability Zone ID

use2-az1

Default subnet

No

Customer-owned IPv4 pool

-

IPv6-only

No

DNS64

Disabled

Subnets (1/2)

Info

Filter subnets

	Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR
<input type="checkbox"/>	Subnet1	subnet-0b080073da4a432d1	Available	vpc-0c9a8489c7ad2752f   VPC1	10.0.1.0/24	-
<input checked="" type="checkbox"/>	Subnet2	subnet-0a609f379a804f722	Available	vpc-0c9a8489c7ad2752f   VPC1	10.0.0.0/24	-

subnet-0a609f379a804f722 / Subnet2

Details

Flow logs

Route table

Network ACL

CIDR reservations

Sharing

Tags

Route table: rtb-0dc727db8b3d6cab0 / route1

Edit route table association

Routes (2)

Filter routes

Destination	Target
10.0.0.0/16	local
0.0.0.0/0	nat-0fade4354ebb3673d

aws

Services

Search for services, features, blogs, docs, and more

[Option+S]

S3

EC2

VPC

Secrets Manager

IAM

New VPC Experience

Tell us what you think

VPC Dashboard

EC2 Global View

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

Managed Prefix Lists

Endpoints

Endpoint Services

NAT Gateways

Peering Connections

SECURITY

Network ACLs

Security Groups

NETWORK ANALYSIS

Reachability Analyzer

Network Access Analyzer

Subnets (1/2)

Info

Filter subnets

	Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR
<input type="checkbox"/>	Subnet1	subnet-0b080073da4a432d1	Available	vpc-0c9a8489c7ad2752f   VPC1	10.0.1.0/24	-
<input checked="" type="checkbox"/>	Subnet2	subnet-0a609f379a804f722	Available	vpc-0c9a8489c7ad2752f   VPC1	10.0.0.0/24	-

subnet-0a609f379a804f722 / Subnet2

Details

Flow logs

Route table

Network ACL

CIDR reservations

Sharing

Tags

Route table: rtb-0dc727db8b3d6cab0 / route1

Edit route table association

Routes (2)

Filter routes

Destination	Target
10.0.0.0/16	local
0.0.0.0/0	nat-0fade4354ebb3673d

## EC2 instances - Public

The screenshot displays the AWS Management Console for EC2 instances. The left sidebar shows navigation options like EC2 Dashboard, Events, Tags, Limits, and various instance types. The main content area shows a list of instances with columns for Name, Instance ID, Instance state, Instance type, Status check, Alarm status, and Availability Zone. Two instances are listed: 'Server1' (Instance ID: i-0bac6a7972bbf93ec) and 'Client' (Instance ID: i-0c0ab39b70b962a6e), both in a 'Running' state. Below the list, the details for 'Server1' are expanded, showing its configuration: Instance ID, IP addresses, Hostname type, Instance type, AWS Compute Optimizer finding, Instance details (Platform: Amazon Linux), AMI ID, and Monitoring status.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
Server1	i-0bac6a7972bbf93ec	Running	t2.micro	2/2 checks passed	No alarms	us-east-2a
Client	i-0c0ab39b70b962a6e	Running	t2.micro	2/2 checks passed	No alarms	us-east-2b

**Instance: i-0bac6a7972bbf93ec (Server1)**

**Instance summary**

Instance ID	Public IPv4 address	Private IPv4 addresses
i-0bac6a7972bbf93ec (Server1)	-	10.0.0.146
IPv6 address	Instance state	Public IPv4 DNS
-	Running	-
Hostname type	Private IP DNS name (IPv4 only)	Answer private resource DNS name
IP name: ip-10-0-0-146.us-east-2.compute.internal	ip-10-0-0-146.us-east-2.compute.internal	IPv4 (A)
Instance type	Elastic IP addresses	VPC ID
t2.micro	-	vpc-0c9a8489c7ad2752f (VPC1)
AWS Compute Optimizer finding	IAM Role	Subnet ID
Opt-In to AWS Compute Optimizer for recommendations.   Learn more	-	subnet-0a609f379a804f722 (Subnet2)

**Instance details**

Platform	AMI ID	Monitoring
Amazon Linux (Inferred)	ami-064ff912f78e3e561	disabled

## EC2 instances – Private

The screenshot displays the AWS Management Console for EC2 instances. The left sidebar shows navigation options like EC2 Dashboard, Events, Tags, Limits, and various instance types. The main content area shows a list of instances with columns for Name, Instance ID, Instance state, Instance type, Status check, Alarm status, and Availability Zone. Two instances are listed: 'Server1' (Instance ID: i-0bac6a7972bbf93ec) and 'Client' (Instance ID: i-0c0ab39b70b962a6e), both in a 'Running' state. Below the list, the details for 'Client' are expanded, showing its configuration: Instance ID, IP addresses, Hostname type, Instance type, AWS Compute Optimizer finding, Instance details (Platform: Amazon Linux), AMI ID, and Monitoring status.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
Server1	i-0bac6a7972bbf93ec	Running	t2.micro	2/2 checks passed	No alarms	us-east-2a
Client	i-0c0ab39b70b962a6e	Running	t2.micro	2/2 checks passed	No alarms	us-east-2b

**Instance: i-0c0ab39b70b962a6e (Client)**

Select an Instance above

**Details** | Security | Networking | Storage | Status checks | Monitoring | Tags

**Instance summary**

Instance ID	Public IPv4 address	Private IPv4 addresses
i-0c0ab39b70b962a6e (Client)	3.144.158.162   open address	10.0.1.234
IPv6 address	Instance state	Public IPv4 DNS
-	Running	-
Hostname type	Private IP DNS name (IPv4 only)	Answer private resource DNS name
IP name: ip-10-0-1-234.us-east-2.compute.internal	ip-10-0-1-234.us-east-2.compute.internal	IPv4 (A)
Instance type	Elastic IP addresses	VPC ID
t2.micro	-	vpc-0c9a8489c7ad2752f (VPC1)
AWS Compute Optimizer finding	IAM Role	Subnet ID
Opt-In to AWS Compute Optimizer for recommendations.   Learn more	SecretRole	subnet-0b080073da4a432d1 (Subnet1)

Oregon Region

VPC

Services

Search for services, features, blogs, docs, and more

[Option+S]

S3

EC2

VPC

Secrets Manager

IAM

New VPC Experience

Tell us what you think

VPC Dashboard

EC2 Global View New

Filter by VPC:

Select a VPC

VIRTUAL PRIVATE CLOUD

Your VPCs

Subnets

Route Tables

Internet Gateways

Egress Only Internet Gateways

Carrier Gateways

DHCP Options Sets

Elastic IPs

Managed Prefix Lists

Endpoints New

Endpoint Services

NAT Gateways

Peering Connections

SECURITY

Network ACLs

Security Groups

NETWORK ANALYSIS

Reachability Analyzer

Your VPCs (1/1) Info

Filter VPCs

1

<

>

⚙

<input checked="" type="checkbox"/>	Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR
<input checked="" type="checkbox"/>	VPC2	vpc-0303bb0a210259677	Available	172.31.0.0/16	-

vpc-0303bb0a210259677 / VPC2

Details

CIDRs

Flow logs

Tags

Details

VPC ID	State	DNS hostnames	DNS resolution
vpc-0303bb0a210259677	Available	Enabled	Enabled
Tenancy	DHCP options set	Main route table	Main network ACL
Default	dopt-0308a2fbac359871f	rtb-048b5fb073001f8c5	acl-0675806421a25209d
Default VPC	IPv4 CIDR	IPv6 pool	IPv6 CIDR (Network border group)
Yes	172.31.0.0/16	-	-
Route 53 Resolver DNS Firewall rule groups	Owner ID		
-	687916011071		

Feedback

English (US)

© 2022, Amazon Web Services, Inc. or its affiliates.

Privacy

Terms

Cookie preferences

Private Subnet

Services

Search for services, features, blogs, docs, and more

[Option+S]

S3

EC2

VPC

Secrets Manager

IAM

New VPC Experience

Tell us what you think

VPC Dashboard

EC2 Global View New

Filter by VPC:

Select a VPC

VIRTUAL PRIVATE CLOUD

Your VPCs

Subnets

Route Tables

Internet Gateways

Egress Only Internet Gateways

Carrier Gateways

DHCP Options Sets

Elastic IPs

Managed Prefix Lists

Endpoints New

Endpoint Services

NAT Gateways

Peering Connections

SECURITY

Network ACLs

Security Groups

NETWORK ANALYSIS

Reachability Analyzer

Subnets (1/4) Info

Filter subnets

1

<

>

⚙

<input type="checkbox"/>	Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6
<input type="checkbox"/>	-	subnet-0ca29b392e5abf4a5	Available	vpc-0303bb0a210259677   VP...	172.31.48.0/20	-
<input type="checkbox"/>	-	subnet-09560d4ccefe000b	Available	vpc-0303bb0a210259677   VP...	172.31.32.0/20	-
<input type="checkbox"/>	-	subnet-0fc7deeb44f1c063f	Available	vpc-0303bb0a210259677   VP...	172.31.16.0/20	-
<input checked="" type="checkbox"/>	Subnet3	subnet-0e7d953f54d1e3d6b	Available	vpc-0303bb0a210259677   VP...	172.31.0.0/20	-

Details

Subnet ID

Subnet ARN

State

IPv4 CIDR

Subnet-0e7d953f54d1e3d6b

arn:aws:ec2:us-west-2:687916011071:subnet/subnet-0e7d953f54d1e3d6b

Available

172.31.0.0/20

Available IPv4 addresses

Availability Zone

Route table

Auto-assign IPv6 address

4090

us-west-2c

rtb-048b5fb073001f8c5

No

Network border group

Auto-assign public IPv4 address

IPv4 CIDR reservations

Resource name DNS A record

us-west-2

Yes

-

Disabled

Default subnet

Auto-assign customer-owned IPv4 address

IPv6 CIDR reservations

Resource name DNS AAAA record

Yes

No

-

Disabled

Customer-owned IPv4 pool

Outpost ID

Hostname type

IP name

-

-

IP name

DNS64

Owner

Disabled

Feedback

English (US)

© 2022, Amazon Web Services, Inc. or its affiliates.

Privacy

Terms

Cookie preferences

## Private Ec2 instance

The screenshot displays the AWS Management Console interface. On the left, there is a navigation menu with options like 'EC2 Dashboard', 'Events', 'Tags', 'Limits', 'Instances', 'Images', 'Elastic Block Store', and 'Network & Security'. The main area shows the 'Instances (1/1)' page. A table lists the instance 'Server2' with ID 'i-0a958f780cc392a7f', status 'Running', type 't2.micro', and availability zone 'us-west-2c'. Below the table, the 'Instance: i-0a958f780cc392a7f (Server2)' details are shown, including a summary of its configuration: Instance ID, Public IPv4 address (34.221.115.242), Private IPv4 address (172.31.9.72), Instance state (Running), Public IPv4 DNS, Private IP DNS name, Hostname type, IP name, Instance type (t2.micro), AWS Compute Optimizer finding, Elastic IP addresses, IAM Role, VPC ID, and Subnet ID.

Successfully install Java Development Kit, Java programs EchoServer.java and EchoClient.java, and AWS CLI. And create AWS image

Last login: Mon Apr 4 17:11:09 2022 from ec2-3-16-146-0.us-east-2.compute.amazonaws.com

```
 _ _ | ( _ _ | /   Amazon Linux 2 AMI
 _ _ | \ _ _ | _ _ |
```

<https://aws.amazon.com/amazon-linux-2/>

```
[ec2-user@ip-10-0-1-234 ~]$ ls
```

```
aws          awskeys      coms5590401.pem  EchoClient.java  EchoServer.java
awscliv2.zip  cliv2.zip    EchoClient.class EchoServer.class
```

```
[ec2-user@ip-10-0-1-234 ~]$
```