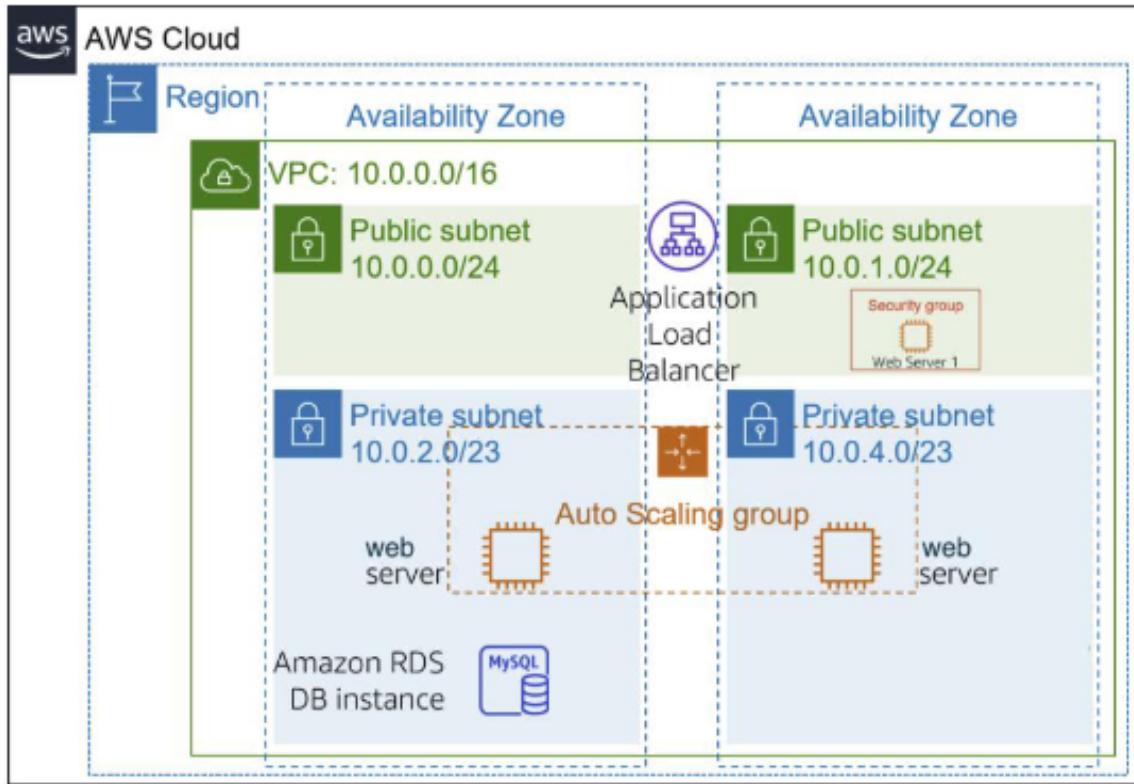


The following environment must be accomplished and documented in this Project:



Environment Details -

- Region: US East (N.Virginia).
- Availability Zones (AZ): us-east-1a, us-east-1b
- Subnets: Public Subnet 1, Public Subnet 2, Private Subnet 1, Private Subnet 2.
- Route Tables: Public route table associated with Public Subnet 1 and Public Subnet 2. Private route table associated with Private Subnet 1 and Private Subnet 2.
- Application Load Balancer: TigerELB
- Auto Scaling Group: TigerAS
- Instances: TigerAS-Instance
- Database: ClemsonDB RDS instance (MYSQL).

1. Screenshots of AWS Management Console

1.1 List of Elastic IP address:

Elastic IP address from the amazon pool's IPv4 address is created.

The screenshot shows the AWS Management Console interface for managing Elastic IP addresses. The left sidebar navigation includes 'New VPC Experience', 'Virtual Private Cloud', 'Elastic IPs' (selected), 'Network ACLs', 'AWS Cloud WAN', and 'Feedback'. The main content area displays a table titled 'Elastic IP addresses (1 / 3)'. The table has columns for Name, Allocated IPv4 address, Type, Allocation ID, Reverse DNS record, Associated instance ID, Private IP address, and Association ID. One entry is shown: 'Elastic IP' with the IP address 54.174.227.217, Type 'Public IP', Allocation ID 'eipalloc-0a6e38603ccfc7a0', and Private IP address '10.0.0.140'. Below the table, a detailed view for '54.174.227.217' is provided under the 'Summary' tab, showing fields like Type (Public IP), Allocation ID (eipalloc-0a6e38603ccfc7a0), and Reverse DNS record ('-').

1.2 List of VPC:

Created a VPC with name FinalVPC.

The screenshot shows the AWS Management Console interface for managing VPCs. The left sidebar navigation includes 'New VPC Experience', 'VPC Dashboard', 'EC2 Global View', 'Select a VPC' (selected), 'Virtual Private Cloud', 'Your VPCs' (selected), 'Network ACLs', 'AWS Cloud WAN', and 'Feedback'. The main content area displays a table titled 'Your VPCs (1 / 3)'. The table has columns for Name, VPC ID, State, IPv4 CIDR, IPv6 CIDR, DHCP options set, Main route table, Main network ACL, and Tags. One entry is shown: 'FinalVPC' with the VPC ID 'vpc-01292ec076a3c87a9', State 'Available', IPv4 CIDR '10.0.0.0/16', and Main route table 'rtb-01a154a76ec1dab...'. Below the table, a detailed view for 'vpc-01292ec076a3c87a9 / FinalVPC' is provided under the 'Details' tab, showing fields like State (Available), DHCP options set (dept-00c622282dfb91cab), and Main route table (rtb-01a154a76ec1dab / Private Route Table).

1.3 List of Subnets:

Subnets:

Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR	Available IPv4 addresses	Availability Zone
Public Subnet 2	subnet-07e91c78ac443b4cb	Available	vpc-01292ec076a3c87a9 FinalVPC	10.0.1.0/24	-	249	us-east-1b
Public Subnet 1	subnet-0ea47ad8f732bc86	Available	vpc-01292ec076a3c87a9 FinalVPC	10.0.0.0/24	-	249	us-east-1a
Private Subnet 2	subnet-084c75137e22a9262	Available	vpc-01292ec076a3c87a9 FinalVPC	10.0.0.0/23	-	505	us-east-1b
Private Subnet 1	subnet-0483f5f785f852924	Available	vpc-01292ec076a3c87a9 FinalVPC	10.0.2.0/23	-	504	us-east-1a
-	subnet-074bb015d12defdf3b	Available	vpc-028a06c204439840	172.31.48.0/20	-	4091	us-east-1a
-	subnet-0528a7777da3a314	Available	vpc-028a06c204439840	172.31.16.0/20	-	4091	us-east-1a
-	subnet-0ff8d03feebdb7b1	Available	vpc-028a06c204439840	172.31.64.0/20	-	4091	us-east-1f
-	subnet-07674aa156d12b644	Available	vpc-02150b42acf1f1cd vpc1	10.0.0.0/24	-	250	us-east-1a
-	subnet-07984bf0b94ecf5	Available	vpc-028a06c204439840	172.31.32.0/20	-	4091	us-east-1b
-	subnet-02483c596d32df3a0	Available	vpc-028a06c204439840	172.31.80.0/20	-	4091	us-east-1d
-	subnet-044b0ff368488c71	Available	vpc-028a06c204439840	172.31.0.0/20	-	4091	us-east-1c

NAT Gateway:

Name	NAT gateway ID	Connectivity...	State	State message	Elastic IP address	Private IP address	Network interface ID	VPC
Final-NAT	nat-07ab90c42d9b6eb13	Public	Available	-	54.174.227.217	10.0.0.140	eni-0546d011af1e4462f	vpc-01292ec076a3c87a9 / FinalVPC
-	nat-0f29649c62034728	Public	Available	-	3.221.215.121	10.0.0.90	eni-051306e77c1d0175	vpc-025f0b42acf1f1cd / vpc1

Internet Gateway:

The screenshot shows the AWS VPC Management Console with the 'Internet gateways' page. The left sidebar includes sections for New VPC Experience, VPC Dashboard, EC2 Global View, Internet Gateways, DNS Firewall, Network Firewall, Security Groups, and various VPC-related services like Customer Gateways and Site-to-Site VPN.

The main table lists three Internet Gateways:

Name	Internet gateway ID	State	VPC ID	Owner
Final-IGW	igw-064b22c5f243cd64	Attached	vpc-01292ec076a3c87a9 FinalVPC	121992051881
-	igw-0477ff0616679e87b	Attached	vpc-025f0842acdff1fd vpc1	121992051881
-	igw-07d4f00ecf2e7e81	Attached	vpc-028a06c2f04439840	121992051881

A detailed view is open for the first Internet Gateway, showing its ID (igw-064b22c5f243cd64), state (Attached), and VPC ID (vpc-01292ec076a3c87a9 | FinalVPC). The owner is listed as 121992051881.

Route tables: Public Route Table, Private Route Table

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New VPC Experience Learn more

VPC Dashboard EC2 Global View

Filter by VPC: Select a VPC

Route Tables

- Internet Gateways
- Egress Only Internet Gateways
- Carrier Gateways
- DHCP Option 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
- DNS FIREWALL**
- Rule Groups
- Domain Lists
- NETWORK FIREWALL**
- FwRules
- Firewall Policies
- Network Firewall Rule Groups
- VIRTUAL PRIVATE NETWORK (VPN)**
- Customer Gateways
- Virtual Private Gateways
- Site-to-Site VPN

Feedback Looking for language selection? Find it in the new Unified Settings

Route tables (1/5) Info Filter route tables

Create route table Actions

Name	Route table ID	Explicit subnet associations	Edge associations	Main	VPC	Owner ID
Public Route Table	rtb-0e6350f61164e09a8	2 subnets	-	No	vpc-01292ec076a3c87a9 FinalVPC	121992051881
Private Route Table	rtb-01a8154a76e1dabc	2 subnets	-	Yes	vpc-01292ec076a3c87a9 FinalVPC	121992051881
-	rtb-07560db816e5a73d9	-	-	Yes	vpc-028a06cf04459840	121992051881
-	rtb-04eb23465ed3f25d	-	-	No	vpc-025f0842acdff1fc1 vpc1	121992051881
-	rtb-0c35383d9e02a490b	subnet-07674aa15612f...	-	Yes	vpc-025f0842acdff1fc1 vpc1	121992051881

rtb-0e6350f61164e09a8 / Public Route Table

Details Routes Subnet associations Edge associations Route propagation Tags

You can now check network connectivity with Reachability Analyzer Run Reachability Analyzer

Details

Route table ID	rtb-0e6350f61164e09a8	Main	Explicit subnet associations	Edge associations
VPC	vpc-01292ec076a3c87a9 FinalVPC	No	2 subnets	-
Owner ID	121992051881			

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Filter by VPC: Select a VPC

Route Tables

- Internet Gateways
- Egress Only Internet Gateways
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- Firewall Policies
- Network Firewall Rule Groups
- VIRTUAL PRIVATE NETWORK (VPN)**
- Customer Gateways
- Virtual Private Gateways
- Site-to-Site VPN

Feedback Looking for language selection? Find it in the new Unified Settings

Route tables (1/5) Info Filter route tables

Create route table Actions

Name	Route table ID	Explicit subnet associations	Edge associations	Main	VPC	Owner ID
Public Route Table	rtb-0e6350f61164e09a8	2 subnets	-	No	vpc-01292ec076a3c87a9 FinalVPC	121992051881
Private Route Table	rtb-01a8154a76e1dabc	2 subnets	-	Yes	vpc-01292ec076a3c87a9 FinalVPC	121992051881
-	rtb-07560db816e5a73d9	-	-	Yes	vpc-028a06cf04459840	121992051881
-	rtb-04eb23465ed3f25d	-	-	No	vpc-025f0842acdff1fc1 vpc1	121992051881
-	rtb-0c35383d9e02a490b	subnet-07674aa15612f...	-	Yes	vpc-025f0842acdff1fc1 vpc1	121992051881

rtb-0e6350f61164e09a8 / Public Route Table

Details Routes Subnet associations Edge associations Route propagation Tags

Routes (2)

Destination	Target	Status	Propagated
10.0.0.0/16	local	Active	No
0.0.0.0/0	igw-064022c5f243c064	Active	No

Edit routes

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Filter by VPC: Select a VPC

VIRTUAL PRIVATE CLOUD Your VPCs Subnets Route Tables Internet Gateways Egress Only Internet Gateways Carrier Gateways DHCP Option 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 DNS FIREWALL Rule Groups Domain Lists NETWORK FIREWALL Firewalls Firewall Policies Network Firewall Rule Groups VIRTUAL PRIVATE NETWORK (VPN) Customer Gateways Virtual Private Gateways Site-to-Site VPN

Feedback Looking for language selection? Find it in the new Unified Settings

Route tables (1/5) Info Filter route tables

Name	Route table ID	Explicit subnet associat...	Edge associations	Main	VPC	Owner ID
Public Route Table	rtb-0e6350f61164e09a8	2 subnets	-	No	vpc-01292ec076a3c87a9 FinalVPC	121992051881
Private Route Table	rtb-01a8154a76ec1dab	2 subnets	-	Yes	vpc-01292ec076a3c87a9 FinalVPC	121992051881
	rtb-07560b81e45a73d9	-	-	Yes	vpc-028a0e2f04459840	121992051881
	rtb-04ea0b23465ed5f25d	-	-	No	vpc-025f0842acdff1fd1 vpc1	121992051881
	rtb-0c55385d9e02a490b	subnet-07674aa15612f...	-	Yes	vpc-025f0842acdff1fd1 vpc1	121992051881

rtb-0e6350f61164e09a8 / Public Route Table

Details Routes Subnet associations Edge associations Route propagation Tags

Explicit subnet associations (2)

Subnet ID	IPv4 CIDR	IPv6 CIDR
subnet-07e91c78ac443b4cb / Public Subnet 2	10.0.1.0/24	-
subnet-0ea47ad87f52bc86 / Public Subnet 1	10.0.0.0/24	-

Subnets without explicit associations (0)

No subnets without explicit associations

All your subnets are associated with a route table.

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Filter by VPC: Select a VPC

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Feedback Looking for language selection? Find it in the new Unified Settings

Route tables (1/5) Info Filter route tables

Name	Route table ID	Explicit subnet associat...	Edge associations	Main	VPC	Owner ID
Public Route Table	rtb-0e6350f61164e09a8	2 subnets	-	No	vpc-01292ec076a3c87a9 FinalVPC	121992051881
Private Route Table	rtb-01a8154a76ec1dab	2 subnets	-	Yes	vpc-01292ec076a3c87a9 FinalVPC	121992051881
	rtb-07560b81e45a73d9	-	-	Yes	vpc-028a0e2f04459840	121992051881
	rtb-04ea0b23465ed5f25d	-	-	No	vpc-025f0842acdff1fd1 vpc1	121992051881
	rtb-0c55385d9e02a490b	subnet-07674aa15612f...	-	Yes	vpc-025f0842acdff1fd1 vpc1	121992051881

rtb-01a8154a76ec1dab / Private Route Table

Details Routes Subnet associations Edge associations Route propagation Tags

You can now check network connectivity with Reachability Analyzer

Run Reachability Analyzer

Details

Route table ID	Main	Explicit subnet associations	Edge associations
rtb-01a8154a76ec1dab	Yes	2 subnets	-
VPC	Owner ID		
vpc-01292ec076a3c87a9 FinalVPC	121992051881		

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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 Carrier Gateways DHCP Option Sets Elastic IPs Managed Prefix Lists Endpoints Endpoint Services NAT Gateways Peering Connections

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DNS FIREWALL

Rule Groups Domain Lists

NETWORK FIREWALL

Firewalls Firewall Policies Network Firewall Rule Groups

VIRTUAL PRIVATE NETWORK (VPN)

Customer Gateways Virtual Private Gateways Site-to-Site VPN

Feedback Looking for language selection? Find it in the new Unified Settings

Route tables (1/5) Info

Filter route tables

Name Route table ID Explicit subnet associations Edge associations Main VPC Owner ID

Public Route Table	rtb-0e6350f61164e09a8	2 subnets	-	No	vpc-01292ec076a3c87a9 FinalVPC	121992051881
Private Route Table	rtb-01a8154a76ec1dacb	2 subnets	-	Yes	vpc-01292ec076a3c87a9 FinalVPC	121992051881
-	rtb-07560ab1ee5a73d9	-	-	Yes	vpc-028a06c2f04439840	121992051881
-	rtb-04eb23465ed3f25d	-	-	No	vpc-025f0842acdff1fd vpc1	121992051881
-	rtb-0c353839e02a490b	subnet-07674aa15612...	-	Yes	vpc-025f0842acdff1fd vpc1	121992051881

rtb-01a8154a76ec1dacb / Private Route Table

Details Routes Subnet associations Edge associations Route propagation Tags

Routes (2)

Filter routes Both

Destination	Target	Status	Propagated
10.0.0.0/16	local	Active	No
0.0.0.0/0	nat-07ab90c42d9b6eb13	Active	No

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Filter by VPC: Select a VPC

VIRTUAL PRIVATE CLOUD

Your VPCs Subnets Route Tables

Internet Gateways Egress Only Internet Gateways Carrier Gateways DHCP Option Sets Elastic IPs Managed Prefix Lists Endpoints Endpoint Services NAT Gateways Peering Connections

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NETWORK FIREWALL

Firewalls Firewall Policies Network Firewall Rule Groups

VIRTUAL PRIVATE NETWORK (VPN)

Customer Gateways Virtual Private Gateways Site-to-Site VPN

Feedback Looking for language selection? Find it in the new Unified Settings

Route tables (1/5) Info

Filter route tables

Name Route table ID Explicit subnet associations Edge associations Main VPC Owner ID

Public Route Table	rtb-0e6350f61164e09a8	2 subnets	-	No	vpc-01292ec076a3c87a9 FinalVPC	121992051881
Private Route Table	rtb-01a8154a76ec1dacb	2 subnets	-	Yes	vpc-01292ec076a3c87a9 FinalVPC	121992051881
-	rtb-07560ab1ee5a73d9	-	-	Yes	vpc-028a06c2f04439840	121992051881
-	rtb-04eb23465ed3f25d	-	-	No	vpc-025f0842acdff1fd vpc1	121992051881
-	rtb-0c353839e02a490b	subnet-07674aa15612...	-	Yes	vpc-025f0842acdff1fd vpc1	121992051881

rtb-01a8154a76ec1dacb / Private Route Table

Details Routes Subnet associations Edge associations Route propagation Tags

Explicit subnet associations (2)

Find subnet association

Subnet ID	IPv4 CIDR	IPv6 CIDR
subnet-084c75157e22a9262 / Private Subnet 2	10.0.4.0/23	-
subnet-0483f25f5785f2924 / Private Subnet 1	10.0.2.0/23	-

Subnets without explicit associations (0)

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

Find subnet association

Subnet ID	IPv4 CIDR	IPv6 CIDR
-----------	-----------	-----------

No subnets without explicit associations

All your subnets are associated with a route table.

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Security Groups:

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us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#securityGroups:

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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 Carrier Gateways DHCP Option 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
- DNS FIREWALL Rule Groups Domain Lists
- NETWORK FIREWALL Firewalls Firewall Policies Network Firewall Rule Groups
- VIRTUAL PRIVATE NETWORK (VPN) Customer Gateways Virtual Private Gateways Site-to-Site VPN

Feedback Looking for language selection? Find it in the new Unified Settings

Actions Export security groups to CSV Create security group

Security Groups (1/5) Info

Name	Security group ID	Security group name	VPC ID	Description	Owner	Inbound rules count	Outbound rules count
sg-0abe2973a7ad572a	vpc-025f0842acdf1fc1d	default	121992051881	default VPC security group	1 Permission entry	1 Permission entry	
sg-00f415360aa9abf03	vpc-01292e076a3c87a9	default	121992051881	default VPC security group	1 Permission entry	1 Permission entry	
sg-01c0a7ca309cf71c	vpc-01292e076a3c87a9	Web Security Group	121992051881	Enable HTTP access	2 Permission entries	1 Permission entry	
sg-0c7ab9a7918e22953	vpc-01292e076a3c87a9	Tiger DB Security Group	121992051881	Permit access from Web Security Group	1 Permission entry	1 Permission entry	
sg-0cca5409a8c57330	vpc-028a6c2f04439840	default	121992051881	default VPC security group	1 Permission entry	1 Permission entry	

sg-01c0a7ca309cf71c - Web Security Group

Details Inbound rules Outbound rules Tags

You can now check network connectivity with Reachability Analyzer Run Reachability Analyzer

Details

Security group name	Security group ID	Description	VPC ID
Web Security Group	sg-01c0a7ca309cf71c	Enable HTTP access	vpc-01292e076a3c87a9

Owner 121992051881 Inbound rules count 2 Permission entries Outbound rules count 1 Permission entry

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New VPC Experience Learn more

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 Carrier Gateways DHCP Option 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
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- NETWORK FIREWALL Firewalls Firewall Policies Network Firewall Rule Groups
- VIRTUAL PRIVATE NETWORK (VPN) Customer Gateways Virtual Private Gateways Site-to-Site VPN

Feedback Looking for language selection? Find it in the new Unified Settings

Actions Export security groups to CSV Create security group

Security Groups (1/5) Info

Name	Security group ID	Security group name	VPC ID	Description	Owner	Inbound rules count	Outbound rules count
sg-0abe2973a7ad572a	vpc-025f0842acdf1fc1d	default	121992051881	default VPC security group	121992051881	1 Permission entry	1 Permission entry
sg-00f415360aa9abf03	vpc-01292e076a3c87a9	default	121992051881	default VPC security group	121992051881	1 Permission entry	1 Permission entry
sg-01c0a7ca309cf71c	vpc-01292e076a3c87a9	Web Security Group	121992051881	Enable HTTP access	121992051881	2 Permission entries	1 Permission entry
sg-0c7ab9a7918e22953	vpc-01292e076a3c87a9	Tiger DB Security Group	121992051881	Permit access from Web Security Group	121992051881	1 Permission entry	1 Permission entry
sg-0cca5409a8c57330	vpc-028a6c2f04439840	default	121992051881	default VPC security group	121992051881	1 Permission entry	1 Permission entry

sg-01c0a7ca309cf71c - Web Security Group

Details Inbound rules Outbound rules Tags

You can now check network connectivity with Reachability Analyzer Run Reachability Analyzer

Inbound rules (2)

Name	Security group rule...	IP version	Type	Protocol	Port range	Source	Description
sgr-0b0ee57ee1c39...30	IPv4	SSH	TCP	22	0.0.0.0/0	Permit SSH requests	
sgr-027c80b615b4d4...	IPv4	HTTP	TCP	80	0.0.0.0/0	Permit web requests	

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Security Groups (1/5) Info

Name	Security group ID	Description	Owner	Inbound rules count	Outbound rules count
sg-0ab2973a27ad572a	default	default VPC security group	121992051881	1 Permission entry	1 Permission entry
sg-00f41536da9abfb03	default	default VPC security group	121992051881	1 Permission entry	1 Permission entry
sg-0a1c0a7ca309cf71c	Web Security Group	Enable HTTP access	121992051881	2 Permission entries	1 Permission entry
sg-07ab9a7918e22993	Tiger DB Security Group	Permit access from Web Security Group	121992051881	1 Permission entry	1 Permission entry
sg-0cca54d9e8c57330	default	default VPC security group	121992051881	1 Permission entry	1 Permission entry

sg-0a1c0a7ca309cf71c - Web Security Group

Outbound rules (1/1)

Name	Security group rule...	IP version	Type	Protocol	Port range	Destination	Description
-	sgr-05c67b4f0398cd705	IPv4	All traffic	All	All	0.0.0.0/0	-

1.4 Launching EC2 Instances: Instance Name: TigerEC2.

Subnet: Public Subnet 2.

Instance type t2.micro, Amazon Linux 2 AMI (HVM), SSD Volume Type. Security group: Web Security Group.

Learner Lab - Associate Service Instances | EC2 Management

us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#Instances:

New EC2 Experience

EC2 Dashboard

EC2 Global View

Events

Tags

Limits

Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

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Network & Security

Security Groups

Elastic IPs

Placement Groups

Key Pairs

Network Interfaces

Load Balancing

Load Balancers

Target Groups

Auto Scaling

Feedback

Search for services, features, blogs, docs, and more [Option+S]

Instances (1/6) Info

Search

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 address	Elastic IP	IPv6 IPs
TigerAS-Instance	i-008796492fe07b9	Running	t2.micro	2/2 checks passed	No alarms	+ us-east-1a	-	-	-	-
TigerEC2-PV1	i-012796e852306531	Running	t2.micro	2/2 checks passed	No alarms	+ us-east-1a	-	-	-	-
TigerEC2	i-0bcc728486a796f5	Running	t2.micro	2/2 checks passed	No alarms	+ us-east-1b	ec2-18-212-156-116.compute-1.amazonaws.com	18.212.156.116	-	-
TigerAS-Instance	i-0ac2b0c46e53e1ae1	Running	t2.micro	2/2 checks passed	No alarms	+ us-east-1b	-	-	-	-

Instance: i-0bcc728486a796f5 (TigerEC2)

Details Security Networking Storage Status checks Monitoring Tags

Instance summary

Instance ID: i-0bcc728486a796f5 (TigerEC2)

Public IPv4 address: 18.212.156.116 [open address]

Private IPv4 addresses: 10.0.1.213

IPv6 address: -

Instance state: Running

Public IPv4 DNS: ec2-18-212-156-116.compute-1.amazonaws.com [open address]

Hostname type: IP name: ip-10-0-1-213.ec2.internal

Private IP DNS name (IPv4 only): ip-10-0-1-213.ec2.internal

Instance type: t2.micro

Elastic IP addresses: -

Auto-assigned IP address: 18.212.156.116 [Public IP]

VPC ID: vpc-01292ec076a3c87a9 (FinalVPC)

AWS Compute Optimizer finding: Opt-in to AWS Compute Optimizer for recommendations. [Learn more]

Subnet ID: subnet-07e91c78ac443b4cb (Public Subnet 2)

Auto Scaling Group name: -

IAM Role: -

Platform: Amazon Linux (Inferred)

AMI ID: ami-09ff25d42506fcfd

Monitoring: disabled

Platform details: Linux/UNIX

AMI name: amazon2-ami-kernel-5.10-hvm-2.0.20220419.0-x86_64-gp2

Termination protection: Disabled

Launch time: Wed Apr 27 2022 19:58:47 GMT-0400 (Eastern Daylight Time) (5 minutes)

AMI location: amazon/amzn2-ami-kernel-5.10-hvm-2.0.20220419.0-x86_64-gp2

Lifecycle: Stop-hibernate behavior

AMI Launch index: -

Instance auto-recovery: Default

Feedback

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us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#Instances:

New EC2 Experience

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Instances (1/6) Info

Search

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 address	Elastic IP	IPv6 IPs
TigerAS-Instance	i-008796492fe07b9	Running	t2.micro	2/2 checks passed	No alarms	+ us-east-1a	-	-	-	-
TigerEC2-PV1	i-012796e852306531	Running	t2.micro	2/2 checks passed	No alarms	+ us-east-1a	-	-	-	-
TigerEC2	i-0bcc728486a796f5	Running	t2.micro	2/2 checks passed	No alarms	+ us-east-1b	ec2-18-212-156-116.compute-1.amazonaws.com	18.212.156.116	-	-
TigerAS-Instance	i-0ac2b0c46e53e1ae1	Running	t2.micro	2/2 checks passed	No alarms	+ us-east-1b	-	-	-	-

Instance: i-0bcc728486a796f5 (TigerEC2)

Details Security Networking Storage Status checks Monitoring Tags

Security details

IAM Role: -

Owner ID: 121992051881

Launch time: Wed Apr 27 2022 19:58:47 GMT-0400 (Eastern Daylight Time)

Security groups: sg-0x1da7ca509cf71c (Web Security Group)

Inbound rules

Filter rules				
Security group rule ID: sgr-008e57e1e159c30	Port range: 22	Protocol: TCP	Source: 0.0.0.0/0	Security groups: Web Security Group
sg-027c80b6151b44d5e	80	TCP	0.0.0.0/0	Web Security Group

Outbound rules

Filter rules				
Security group rule ID: sgr-05d674af0398cd705	Port range: All	Protocol: All	Destination: 0.0.0.0/0	Security groups: Web Security Group

Feedback

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us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#instances:

New EC2 Experience

Instances (1/6) Info

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 address	Elastic IP	IPv6 IPs
TigerAS-Instance	i-05a879d492fe07bb9	Running	t2.micro	2/2 checks passed	No alarms	+ us-east-1a	-	-	-	-
TigerC2-PV1	i-01279be8f3206b31	Running	t2.micro	2/2 checks passed	No alarms	+ us-east-1a	-	-	-	-
TigerEC2	i-0bec728486a796f5	Running	t2.micro	2/2 checks passed	No alarms	+ us-east-1b	ec2-18-212-156-116.compute-1.amazonaws.com	18.212.156.116	-	-
TigerAS-Instance	i-0ec2b0e46e5e1ae1	Running	t2.micro	2/2 checks passed	No alarms	+ us-east-1b	-	-	-	-

Instance: i-0bec728486a796f5 (TigerEC2)

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

You can now check network connectivity with Reachability Analyzer. Run Reachability Analyzer

Networking details

Public IPv4 address	Private IPv4 addresses
18.212.156.116 [open address]	10.0.1.13
Public IPv4 DNS	Private IP DNS name (IPv4 only)
ec2-18-212-156-116.compute-1.amazonaws.com [open address]	ip-10-0-1-213.ec2.internal
IPv6 addresses	Secondary private IPv4 addresses
-	-
Carrier IP addresses (ephemeral)	Outpost ID
-	-
Answer RDN DNS hostname IPv4	Use RDN as guest OS hostname
Enabled	Disabled

Network Interfaces

Elastic IP addresses (0)

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us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#instances:

New EC2 Experience

Instances (1/6) Info

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 address	Elastic IP	IPv6 IPs
TigerAS-Instance	i-0da879d492fe07bb9	Running	t2.micro	2/2 checks passed	No alarms	+ us-east-1a	-	-	-	-
TigerC2-PV1	i-01279be8f3206b31	Running	t2.micro	2/2 checks passed	No alarms	+ us-east-1a	-	-	-	-
TigerEC2	i-0bec728486a796f5	Running	t2.micro	2/2 checks passed	No alarms	+ us-east-1b	ec2-18-212-156-116.compute-1.amazonaws.com	18.212.156.116	-	-
TigerAS-Instance	i-0ec2b0e46e5e1ae1	Running	t2.micro	2/2 checks passed	No alarms	+ us-east-1b	-	-	-	-

Instance: i-0bec728486a796f5 (TigerEC2)

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

Root device details

Root device name	Root device type	EBS optimization
/dev/xvda	EBS	disabled

Block devices

Volume ID Device name Volume size (GiB) Attachment status Attachment time Encrypted KMS key ID Delete on termination

vol-01b8d45cfbf8542bd /dev/xvda 17 Attached Tue Apr 26 2022 23:56:02 ... Yes 9ba210c7-d5f3-4007-a609-f3c4483e... Yes

Recent root volume replacement tasks

Task ID Task state Start time Completion time Tags

No recent replace root volume tasks

Replace root volume

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Learner Lab - Associate Services Instances | EC2 Management

us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#instances:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 address	Elastic IP	IPv6 IPs
TigerAS-Instance	i-038776492fe07b9	Running	t2.micro	2/2 checks passed	No alarms	us-east-1a	-	-	-	-
TigerEC2-PV1	i-01279be0f3250631	Running	t2.micro	2/2 checks passed	No alarms	us-east-1a	-	-	-	-
TigerEC2	i-0bce728486a796f5	Running	t2.micro	2/2 checks passed	No alarms	us-east-1b	ec2-18-212-156-116.co...	18.212.156.116	-	-
TigerAS-Instance	i-0x2b0e465e1ae1	Running	t2.micro	2/2 checks passed	No alarms	us-east-1b	-	-	-	-

Instance: i-0bce728486a796f5 (TigerEC2)

Details Security Networking Storage Status checks Monitoring Tags

Status checks info Status checks detect problems that may impair i-0bce728486a796f5 (TigerEC2) from running your applications.

System status checks System reachability check passed Report the instance status if our checks do not reflect your experience with this instance or if they do not detect issues you are having.

Report Instance status

Actions

1.5 List of EBS Volumes:

Storage volume: 17 GiB, type: gp2, IOPS: 100, encrypted using default aws/ebs keys.

Learner Lab - Associate Services Volumes | EC2 Management

Welcome to AWS Technical Es... tigerelb-204473670.us-east-1 tigerelb-204473670.us-east-1

us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#Volumes:

Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot	Created	Availability Zone	Volume state	Alarm status	Attached instances
TigerEC2	vol-01b8d45cfb8542bd	gp2	17 GiB	100	-	snap-0b2544...	2022/04/26 23:56 GMT-4	us-east-1b	In-use	No alarms	i-0bce728486a796f5
TigerEC2-PV2	vol-0c19651883376cd6	gp2	17 GiB	100	-	snap-0b2544...	2022/04/27 17:08 GMT-4	us-east-1b	In-use	No alarms	i-0bce728486a796f5
-	vol-03c1d0151c41b0536	gp2	17 GiB	100	-	snap-0a4045...	2022/04/27 19:59 GMT-4	us-east-1b	In-use	No alarms	i-07575854c064519
-	vol-0d28f93f1582341	gp2	17 GiB	100	-	snap-0a4045...	2022/04/27 20:18 GMT-4	us-east-1b	In-use	No alarms	i-014f4053b0d41c
-	vol-0a8c17acfaef0678	gp2	17 GiB	100	-	snap-0a4045...	2022/04/27 20:24 GMT-4	us-east-1b	In-use	No alarms	i-00b8b7eaaf19c2
-	vol-0558c40d64640582	gp2	17 GiB	100	-	snap-0a4045...	2022/04/27 10:10 GMT-4	us-east-1a	In-use	No alarms	i-0086794092f0707m
TigerEC2-PV1	vol-0470070d0859a0914	gp2	8 GiB	100	-	snap-0b2544...	2022/04/27 17:12 GMT-4	us-east-1a	In-use	No alarms	i-01279be0f3250631
-	vol-07f23570bc1374fb	gp2	17 GiB	100	-	snap-0a4045...	2022/04/27 20:18 GMT-4	us-east-1a	In-use	No alarms	i-075b0a15a5128ef

Volume ID: vol-01b8d45cfb8542bd (TigerEC2)

Details Status checks Monitoring Tags

Volume ID: vol-01b8d45cfb8542bd (TigerEC2)

Volume state: In-use

KMS key ID: 9ba210c7-d5f3-4007-a609-af3c4483e613

Volume status: Okay

Type: gp2

Size: 17 GiB

IOPS: 100

Throughput: -

KMS key alias: aws/ebs

KMS key ARN: arn:aws:kms:us-east-1:121992051881:key/9ba210c7-d5f3-4007-a609-af3c4483e613

Snapshot: snap-0b2564444bcc9352

Availability Zone: us-east-1b

Created: Tue Apr 26 2022 23:56:02 GMT-0400 (Eastern Daylight Time)

Multi-Attach enabled: No

Attached instances: i-0bce728486a796f5 (TigerEC2): /dev/xvda (attached)

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1.6 Browser Window with Public IP address of TigerEC2 instance:

The screenshot shows a browser window with the following details:

- Meta-Data:**

Meta-Data	Value
InstanceId	i-0bcec728486a796f5
Availability Zone	us-east-1d
- Current CPU Load:** 0%

TigerEC2-PV1 in Availability Zone 1:

The screenshot shows the AWS Management Console Instances page with the following details:

- Instances (1/6) Info:**

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 address	Elastic IP	IPv6 IPs
TigerAS-Instance	i-0ba879492fe07bb9	Running	t2.micro	2/2 checks passed	No alarms	us-east-1a	-	-	-	-
TigerEC2-PV1	i-01279be8f3250d631	Running	t2.micro	2/2 checks passed	No alarms	+ us-east-1a	-	-	-	-
TigerEC2	i-0bcec728486a796f5	Running	t2.micro	2/2 checks passed	No alarms	us-east-1b	ec2-18-212-156-116.co...	18.212.156.116	-	-
TigerAS-Instance	i-0ac2b0e4e5e1e1	Running	t2.micro	2/2 checks passed	No alarms	us-east-1b	-	-	-	-
- Instance: i-01279be8f3250d631 (TigerEC2-PV1) Details:**
 - Details:**
 - Instance summary:** Public IPv4 address: -
 - IPV6 address:** Instance state: Running
 - Hostname type:** Hostname type: ip-10-0-2-13.ec2.internal
 - Instance type:** t2.micro
 - VPC ID:** vpc-01292ec076a5c87e9 (FinalVPC)
 - Subnet ID:** subnet-0483f25f3785f2924 (Private Subnet 1)
 - Security:** Public IPv4 addresses: 10.0.2.13
 - Networking:** Public IPv4 DNS: -
 - Storage:** Answer private resource DNS name: IP4 (A)
 - Status check:** Auto-assigned IP address: -
 - Monitoring:** IAM Role: -
 - Tags:** AWS Compute Optimizer finding: Opt-in to AWS Compute Optimizer for recommendations. | Learn more

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us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#Instances:

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N. Virginia vodabauer108201@ravil@clemson.edu @ 1219-9205-1881

Instances (1 / 6) Info

Name Instance ID Instance state Instance type Status check Alarm status Availability Zone Public IPv4 DNS Public IPv4 address Elastic IP IPv6 IPs

TigerAS-Instance i-008776492fe07b69 Running t2.micro 2/2 checks passed No alarms + us-east-1a - - - -

TigerEC2-PV1 i-01279be8f3250d631 Running t2.micro 2/2 checks passed No alarms + us-east-1a - - - -

TigerEC2 i-0bec728486a796f5 Running t2.micro 2/2 checks passed No alarms + us-east-1b ec2-18-212-156-116.co... 18.212.156.116 - - -

TigerAS-Instance i-0ac2b0e4653e1ae1 Running t2.micro 2/2 checks passed No alarms + us-east-1b - - - -

Instance: i-01279be8f3250d631 (TigerEC2-PV1)

Details Security Networking Storage Status checks Monitoring Tags

Security details

IAM Role Owner ID Launch time

Security groups sg-01c0a7ca7ca509cf71c (Web Security Group)

Inbound rules

Outbound rules

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N. Virginia vodabauer108201@ravil@clemson.edu @ 1219-9205-1881

Instances (1 / 6) Info

Name Instance ID Instance state Instance type Status check Alarm status Availability Zone Public IPv4 DNS Public IPv4 address Elastic IP IPv6 IPs

TigerAS-Instance i-008776492fe07b69 Running t2.micro 2/2 checks passed No alarms + us-east-1a - - - -

TigerEC2-PV1 i-01279be8f3250d631 Running t2.micro 2/2 checks passed No alarms + us-east-1a - - - -

TigerEC2 i-0bec728486a796f5 Running t2.micro 2/2 checks passed No alarms + us-east-1b ec2-18-212-156-116.co... 18.212.156.116 - - -

TigerAS-Instance i-0ac2b0e4653e1ae1 Running t2.micro 2/2 checks passed No alarms + us-east-1b - - - -

Instance: i-01279be8f3250d631 (TigerEC2-PV1)

Details Security Networking Storage Status checks Monitoring Tags

You can now check network connectivity with Reachability Analyzer. Run Reachability Analyzer

Networking details

Public IPv4 address Private IPv4 addresses

Public IPv4 DNS Private IP DNS name (IPv4 only)

IPV6 addresses Secondary private IPv4 addresses

Carrier IP addresses (ephemeral) Outpost ID

Answer RDN DNS hostname IPv4

Enabled

Network Interfaces

Elastic IP addresses (0)

Elastic IP addresses

Name Allocated IPv4 address Type Address pool Allocation ID

No Elastic IP addresses are associated with this instance

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Instances (1/6) Info

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ad...	Elastic IP	IPv6 IPs
TigerAS-Instance	i-00879d492fe07bb9	Running	t2.micro	2/2 checks passed	No alarms +	us-east-1a	-	-	-	-
TigerEC2-PV1	i-01279be8f3250d631	Running	t2.micro	2/2 checks passed	No alarms +	us-east-1a	-	-	-	-
TigerEC2	i-0bec72848679ff5	Running	t2.micro	2/2 checks passed	No alarms +	us-east-1b	ec2-18-212-156-116.co...	18.212.156.116	-	-
TigerAS-Instance	i-0ac2b0e46e53e1ae1	Running	t2.micro	2/2 checks passed	No alarms +	us-east-1b	-	-	-	-

Instance: i-01279be8f3250d631 (TigerEC2-PV1)

Storage

Volume ID	Device name	Volume size (GiB)	Attachment status	Attachment time	Encrypted	KMS key ID	Delete on termination
vol-0470070d0685bd914	/dev/xvda	8	Attached	Wed Apr 27 2022 17:12:41 ...	No	-	Yes

Recent root volume replacement tasks

Task ID	Task state	Start time	Completion time	Tags
				No recent replace root volume tasks

Replace root volume

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Instances (1/6) Info

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ad...	Elastic IP	IPv6 IPs
TigerAS-Instance	i-00879d492fe07bb9	Running	t2.micro	2/2 checks passed	No alarms +	us-east-1a	-	-	-	-
TigerEC2-PV1	i-01279be8f3250d631	Running	t2.micro	2/2 checks passed	No alarms +	us-east-1a	-	-	-	-
TigerEC2	i-0bec72848679ff5	Running	t2.micro	2/2 checks passed	No alarms +	us-east-1b	ec2-18-212-156-116.co...	18.212.156.116	-	-
TigerAS-Instance	i-0ac2b0e46e53e1ae1	Running	t2.micro	2/2 checks passed	No alarms +	us-east-1b	-	-	-	-

Instance: i-01279be8f3250d631 (TigerEC2-PV1)

Status checks

Status checks detect problems that may impair i-01279be8f3250d631 (TigerEC2-PV1) from running your applications.

System status checks
System reachability check passed

Report the instance status if our checks do not reflect your experience with this instance or if they do not detect issues you are having.

Report instance status Actions

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TigerEC2-PV2 in Availability Zone 2:

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Instances (1/6) Info

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ad...	Elastic IP	IPv6 IPs
TigerEC2	i-0bce724486a796f5	Running	t2.micro	2/2 checks passed	No alarms	+ us-east-1b	ec2-18-212-156-116.co...	18.212.156.116	-	-
TigerA-Instance	i-0ac2b0e046e53e1ae1	Running	t2.micro	2/2 checks passed	No alarms	+ us-east-1b	-	-	-	-
TigerEC2-PV2	i-0983ba541a4c8c359	Running	t2.micro	2/2 checks passed	No alarms	+ us-east-1b	-	-	-	-
TigerAS-Instance	i-05753834c0645193b	Running	t2.micro	2/2 checks passed	No alarms	+ us-east-1b	-	-	-	-

Instance: i-0983ba541a4c8c359 (TigerEC2-PV2)

Details Security Networking Storage Status checks Monitoring Tags

Instance summary Info

Instance ID	i-0983ba541a4c8c359 (TigerEC2-PV2)	Public IPv4 address	Private IPv4 addresses
IPv6 address	-	Instance state	Running
Hostname type	IP name: ip-10-0-5-22.ec2.internal	Private IP DNS name (IPv4 only)	Public IPv4 DNS
Instance type	t2.micro	AMI name	ip-10-0-5-22.ec2.internal
VPC ID	vpc-01292ec076a5b7d9 (FinalVPC) [2]	AWS Compute Optimizer finding	Answer private resource name
Subnet ID	subnet-084c75137e22a926 (Private Subnet 2) [2]	Opt-in to AWS Compute Optimizer for recommendations. Learn more	IPV4 (A)
Instance details Info			
Platform	Amazon Linux (inferred)	AMI ID	Monitoring
Platform details	Linux/UNIX	ami-0ff9fc25dd2506cf6d	disabled
Launch time	Wed Apr 27 2022 19:58:47 GMT-0400 (Eastern Daylight Time) (9 minutes)	AMI location	Termination protection
Lifecycle	normal	amazon/amzn2-ami-kernel-5.10-hvm-2.0.20220419.0-x86_64-gp2	Disabled
Stop-hibernate behavior	disabled	Instance auto-recovery	Default
		AMI Launch index	0

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Instances (1/6) Info

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ad...	Elastic IP	IPv6 IPs
TigerEC2	i-0bce724486a796f5	Running	t2.micro	2/2 checks passed	No alarms	+ us-east-1b	ec2-18-212-156-116.co...	18.212.156.116	-	-
TigerA-Instance	i-0ac2b0e046e53e1ae1	Running	t2.micro	2/2 checks passed	No alarms	+ us-east-1b	-	-	-	-
TigerEC2-PV2	i-0983ba541a4c8c359	Running	t2.micro	2/2 checks passed	No alarms	+ us-east-1b	-	-	-	-
TigerAS-Instance	i-05753834c0645193b	Running	t2.micro	2/2 checks passed	No alarms	+ us-east-1b	-	-	-	-

Instance: i-0983ba541a4c8c359 (TigerEC2-PV2)

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

Security details

IAM Role	-	Owner ID	Launch time
Security groups	xp-0a10Da7ca309cf71c (Web Security Group)	121992051881	Wed Apr 27 2022 19:58:47 GMT-0400 (Eastern Daylight Time)

Inbound rules

Filter rules				
Security group rule ID	Port range	Protocol	Source	Security groups
sgr-0b0ee57ee1e39cc30	22	TCP	0.0.0.0/0	Web Security Group
sgr-02780651b4d4d5e	80	TCP	0.0.0.0/0	Web Security Group

Outbound rules

Filter rules				
Security group rule ID	Port range	Protocol	Destination	Security groups
sgr-05c57b4f0398cd705	All	All	0.0.0.0/0	Web Security Group

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us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#Instances:

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EC2 Dashboard ECC Global View Events Tags Limits Instances Instances Instance Types Launch Templates Spot Requests Savings Plans Reserved Instances Dedicated Hosts Scheduled Instances Capacity Reservations Images AMIs AMI Catalog Elastic Block Store Volumes Snapshots Lifecycle Manager Network & Security Security Groups Elastic IPs Placement Groups Key Pairs Network Interfaces Load Balancing Load Balancers Target Groups Auto Scaling

Feedback Looking for language selection? Find it in the new Unified Settings

Instances (1/6) Info

Instance: i-0983ba541a4c8c359 (TigerEC2-PV2)

Details Security Networking Storage Status checks Monitoring Tags

You can now check network connectivity with Reachability Analyzer. Run Reachability Analyzer

Networking details

Public IPv4 address	Private IPv4 addresses	VPC ID
-	10.0.5.22	vpc-01292e076a3cd7a9 (FinalVPC)
Public IPv4 DNS	Private IP DNS name (IPv4 only)	Subnet ID
-	ip-10-0-5-22.ec2.internal	subnet-084c75137e22a926 (Private Subnet 2)
IPv6 addresses	Secondary private IPv4 addresses	Availability zone
-	-	us-east-1b
Carrier IP addresses (ephemeral)	Outpost ID	Use RDN as guest OS hostname
-	-	Disabled
Answer RDN DNS hostname IPv4		
Enabled		
Network Interfaces		
Elastic IP addresses		

Elastic IP addresses (0)

No Elastic IP addresses are associated with this instance

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us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#Instances:

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EC2 Dashboard ECC Global View Events Tags Limits Instances Instances Instance Types Launch Templates Spot Requests Savings Plans Reserved Instances Dedicated Hosts Scheduled Instances Capacity Reservations Images AMIs AMI Catalog Elastic Block Store Volumes Snapshots Lifecycle Manager Network & Security Security Groups Elastic IPs Placement Groups Key Pairs Network Interfaces Load Balancing Load Balancers Target Groups Auto Scaling

Feedback Looking for language selection? Find it in the new Unified Settings

Instances (1/6) Info

Instance: i-0983ba541a4c8c359 (TigerEC2-PV2)

Details Security Networking Storage Status checks Monitoring Tags

Root device details

Root device name	Root device type	EBS optimization
/dev/xvda	EBS	disabled
Block devices		

Block devices

Volume ID	Device name	Volume size (GiB)	Attachment status	Attachment time	Encrypted	KMS key ID	Deletes on termination
vol-0c19b518893376c03	/dev/xvda	17	Attached	Wed Apr 27 2022 17:08:12 ...	Yes	9ba210c7-d5f3-4007-a609-af5c4483e...	Yes

Recent root volume replacement tasks

Replace root volume

Task ID Task state Start time Completion time Tags

No recent replace root volume tasks

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1.7 List of Target Groups:

Target Group name: TigerTargets.

Instances: TigerEC2-PV1 and TigerEC2-PV2.

The screenshot shows the AWS EC2 Management Console with the URL <https://us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#TargetGroups>. The left sidebar is collapsed. The main content area shows the 'Target groups (1 / 1) info' section. A table lists one target group: **TigerTargets**. The table columns include Name, ARN, Port, Protocol, Target type, Load balancer, and VPC ID. The 'Details' tab is selected, showing the following details:

Total targets	Healthy	Unhealthy	Unused	Initial	Draining
4	4	0	0	0	0

The screenshot shows the AWS EC2 Management Console with the same URL as the previous screenshot. The 'Targets' tab is selected for the 'TigerTargets' target group. The table lists four registered targets:

Instance ID	Name	Port	Zone	Health status
i-00a879d493fe07bb69	TigerAS-Instance	80	us-east-1a	healthy
i-098ba51a4eb8c359	TigerEC2-PV2	80	us-east-1b	healthy
i-01279ebf32504631	TigerEC2-PV1	80	us-east-1a	healthy
i-05753834c0645193b	TigerAS-Instance	80	us-east-1b	healthy

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us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#TargetGroups:

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EC2 > Target groups

Target groups (1/1) Info

Name	ARN	Port	Protocol	Target type	Load balancer	VPC ID
TigerTargets	arn:aws:elasticloadbalancing:us-east-1:121992051881:targetgroup/TigerTargets/9f1ed51e7890dfb7	80	HTTP	Instance	TigerELB	vpc-01292ec076a3d7a9

TigerTargets

arn:aws:elasticloadbalancing:us-east-1:121992051881:targetgroup/TigerTargets/9f1ed51e7890dfb7

Details Targets Monitoring Health checks Attributes Tags

Health check settings

Protocol	Path	Port	Healthy threshold
HTTP	/	Traffic port	5 consecutive health check successes
Unhealthy threshold	Timeout	Interval	Success codes
2 consecutive health check failures	5 seconds	30 seconds	200

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1.8 List of Load balancers:

Application Load Balancer Name: TigerELB.

VPC: FinalVPC.

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us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#LoadBalancers:sort=loadBalancerName

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Create Load Balancer Actions

Load balancer | TigerELB

Description Listeners Monitoring Integrated services Tags

Basic Configuration

Name	TigerELB
ARN	arn:aws:elasticloadbalancing:us-east-1:121992051881:loadbalancer/app/TigerELB/04f544eca620190
DNS name	TigerELB-204473670.us-east-1.elb.amazonaws.com (A Record)
State	Active
Type	application
Scheme	internet-facing
IP address type	IPv4
VPC	vpc-01292ec076a3d7a9
Availability Zones	subnet-07491c78ac443b4cb - us-east-1b (2) IPv4 address: Assigned by AWS subnet-0ed047ad87f32bc86 - us-east-1a (2) IPv4 address: Assigned by AWS
Hosted zone	Z3SXSD00TQZKXK
Creation time	April 27, 2022 at 1:38:54 AM UTC-4

Security

Security groups	sg-01d0a7ca309d7fc, Web Security Group • Enable HTTP access
-----------------	--

Attributes

Deletion protection	Disabled
---------------------	----------

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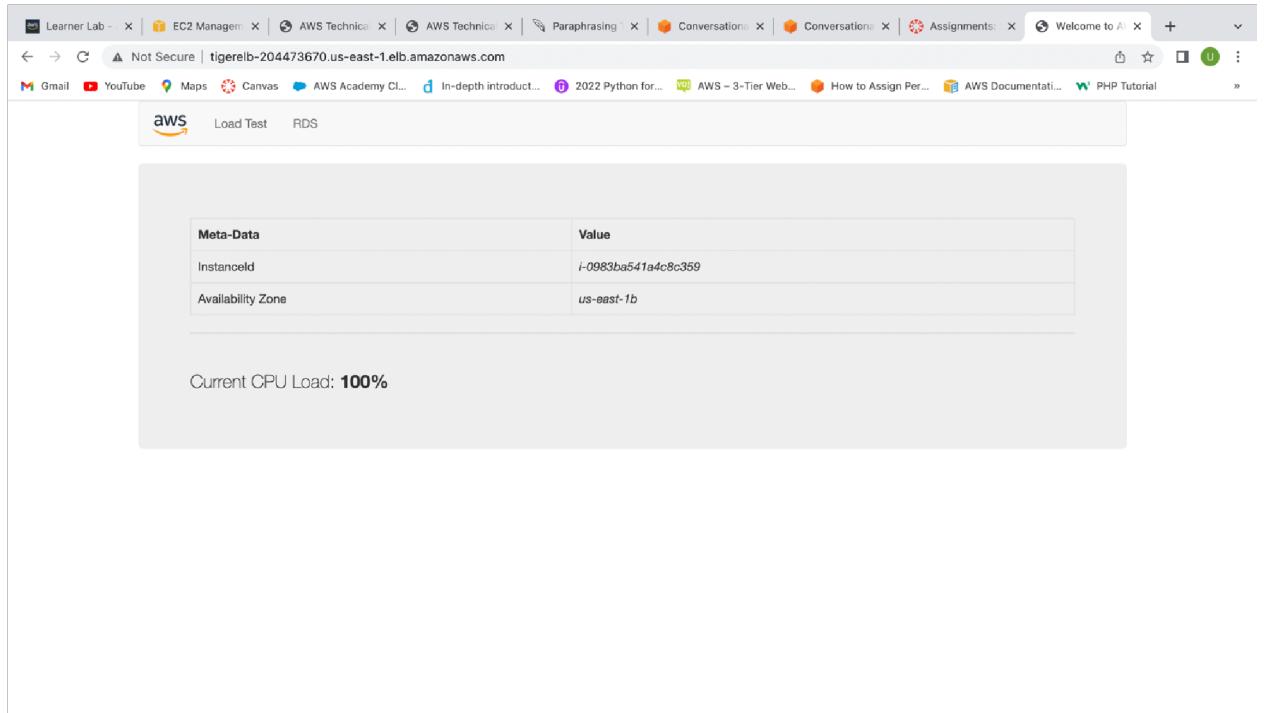
The screenshot shows the AWS EC2 Management Console interface. On the left, there's a navigation sidebar with various services like Instances, AMIs, Elastic Block Store, Network & Security, and Load Balancing. The main content area is titled 'Load Balancers' and shows a table with one row for 'TigerELB'. The table columns include Name, State, VPC ID, Availability Zones, Type, and Created At. Below the table, there's a tabular view for the 'Listeners' section, showing one entry for 'HTTP : 80'.

1.9 Load Balancer Browser window with the public IP address:

Availability zone: us-east-1a

The screenshot shows a browser window with the URL 'tigerelb-204473670.us-east-1.elb.amazonaws.com'. The page title is 'Load Test'. It contains a table with two rows: 'InstanceId' and 'Availability Zone'. Both rows have a value 'i-012790e8f3250d631'. Below the table, a message says 'Current CPU Load: 0%'.

Availability zone: us-east-1b



1.10 Launch Configurations:

Launch Configuration Name: TigerASLC.

AMI : ami-02e136e904f3da870.

Instance type: t2.micro.

Security group: Web Security Group.

Launch configurations (1/1) Info

Name	AMI ID	Instance type	Spot price	Creation time
TigerASLC	ami-02e156e904...	t2.micro	-	Wed Apr 27 2022 02:40:23 GMT-0400 (Eastern Daylight Time)

Launch configuration: TigerASLC

Details

AMI ID ami-02e156e904...	Instance type t2.micro	IAM instance profile -
Kernel ID -	Key name vokey	Monitoring true
EBS optimized false	Security groups sg-04cdca7a309cf71c	Spot price -
Create time Wed Apr 27 2022 02:40:23 GMT-0400 (Eastern Daylight Time)	RAM disk ID -	IP address type Private
Metadata accessible -	Token hop limit -	Metadata version -
User data View user data		

Storage (volumes)

Search block devices

1.11 EC2 Auto Scaling Groups: Auto Scaling Group Name- TigerAS VPC: FinalVPC. Subnets: Private Subnet 1 and Private Subnet 2.

Load Balancer attached: TigerELB.

Target Group: TigerTargets.

Group size: 2 desired, 2 minimum, 6 maximum.

Autoscaling instance: TigerAS-Instance.

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us-east-1.console.aws.amazon.com/ec2autoscaling/home?region=us-east-1#/details?id=TigerAS&view=details

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EC2 > Auto Scaling groups

Auto Scaling groups (1/1)

Search your Auto Scaling groups

Name	Launch template/configuration	Instances	Status	Desired capacity	Min	Max	Availability Zones
TigerAS	TigerASLC	2	-	2	2	6	us-east-1a, us-east-1b

Details Activity Automatic scaling Instance management Monitoring Instance refresh

Group details

Desired capacity 2	Auto Scaling group name TigerAS
Minimum capacity 2	Date created Wed Apr 27 2022 06:14:54 GMT-0400 (Eastern Daylight Time)
Maximum capacity 6	Amazon Resource Name (ARN) arn:aws:autoscaling:us-east-1:121992051881:autoScalingGroup:2a9f4d89-f477-4def-979f-decfd0ecb2AutoScalingGroupName:TigerAS

Launch configuration

Launch configuration TigerASLC	AMI ID ami-02e136e904f3da870
Instance type t2.micro	Key pair name vokey
Storage (volumes) /dev/xvda	Security groups sg-0a1c0a7ca309cf71c

[View details in the launch configuration console](#)

Network

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us-east-1.console.aws.amazon.com/ec2autoscaling/home?region=us-east-1#/details?id=TigerAS&view=details

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EC2 > Auto Scaling groups

Auto Scaling groups (1/1)

Search your Auto Scaling groups

Name	Launch template/configuration	Instances	Status	Desired capacity	Min	Max	Availability Zones
TigerAS	TigerASLC	2	-	2	2	6	us-east-1a, us-east-1b

Load balancing

Load balancer target groups TigerTargets	Classic Load Balancers
---	------------------------

Health checks

Health check type EC2	Health check grace period 300
--------------------------	----------------------------------

Advanced configurations

Instance scale-in protection Not protected from scale in	Termination policies Default	Maximum instance lifetime	Default instance warmup
Placement group	Suspended processes	Default cooldown 300	Disabled
		Service-linked role arn:aws:iam::121992051881:role/aws-service-role/autoscaling.amazonaws.com/AWSServiceRoleForAutoScaling	

Tags (1)

Key	Value	Tag new instances
Name	TigerAS-Instance	Yes

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us-east-1.console.aws.amazon.com/ec2autoscaling/home?region=us-east-1#/details?id=TigerAS&view=activity

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EC2 > Auto Scaling groups

Auto Scaling groups (1/1)

Name: TigerASLC Instances: 2 Status: 2 Desired capacity: 2 Min: 2 Max: 6 Availability Zones: us-east-1a, us-east-1b

No notifications are currently specified Create notification

Activity history (8)

Status	Description	Cause	Start time	End time
Successful	Launching a new EC2 instance: i-05753834c0645193b	At 2022-04-27T23:59:00Z an instance was started in response to a difference between desired and actual capacity, increasing the capacity from 1 to 2.	2022 April 27, 07:59:03 PM -04:00	2022 April 27, 07:59:16 PM -04:00
Successful	Terminating EC2 instance: i-0ac2b0e64551ea1	At 2022-04-27T23:58:49Z an instance was taken out of service in response to an EC2 health check indicating it has been terminated or stopped.	2022 April 27, 07:58:49 PM -04:00	2022 April 27, 08:04:51 PM -04:00
Successful	Launching a new EC2 instance: i-00a879492fe07b689	At 2022-04-27T14:10:06Z an instance was started in response to a difference between desired and actual capacity, increasing the capacity from 1 to 2.	2022 April 27, 10:10:08 AM -04:00	2022 April 27, 10:11:11 AM -04:00
Successful	Terminating EC2 instance: i-0fec0db1e5c7e5680	At 2022-04-27T14:09:52Z an instance was taken out of service in response to an EC2 health check indicating it has been terminated or stopped.	2022 April 27, 10:09:55 AM -04:00	2022 April 27, 10:15:27 AM -04:00
Successful	Launching a new EC2 instance: i-0ac2b0e64551ea1	At 2022-04-27T14:08:10Z an instance was started in response to a difference between desired and actual capacity, increasing the capacity from 1 to 2.	2022 April 27, 10:08:13 AM -04:00	2022 April 27, 10:08:46 AM -04:00
Successful	Terminating EC2 instance: i-01a88f7fb13be33	At 2022-04-27T14:07:59Z an instance was taken out of service in response to an EC2 health check indicating it has been terminated or stopped.	2022 April 27, 10:07:59 AM -04:00	2022 April 27, 10:13:24 AM -04:00
Successful	Launching a new EC2 instance: i-0fec0db1e5c7e5680	At 2022-04-27T10:14:54Z a user request created an AutoScalingGroup changing the desired capacity from 0 to 2. At 2022-04-27T10:14:50Z an instance was started in response to a difference between desired and actual capacity, increasing the capacity from 0 to 2.	2022 April 27, 06:15:02 AM -04:00	2022 April 27, 06:16:05 AM -04:00
Successful	Launching a new EC2 instance	At 2022-04-27T10:14:54Z a user request created an AutoScalingGroup changing the desired capacity	2022 April 27, 06:14:54 AM -04:00	2022 April 27, 06:14:54 AM -04:00

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us-east-1.console.aws.amazon.com/ec2autoscaling/home?region=us-east-1#/details?id=TigerAS&view=instanceManagement

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EC2 > Auto Scaling groups

Auto Scaling groups (1/1)

Name: TigerASLC Instances: 2 Status: 2 Desired capacity: 2 Min: 2 Max: 6 Availability Zones: us-east-1a, us-east-1b

Details Activity Automatic scaling Instance management Monitoring Instance refresh

Instances (4)

Instance ID	Lifecycle	Instance type	Weighted capacity	Launch template/configuration	Availability Zone	Health status	Protected from
i-00a879492fe07b689	InService	t2.micro	-	TigerASLC	us-east-1a	Healthy	
i-01a88f7fb13be33	Pending	t2.micro	-	TigerASLC	us-east-1b	Healthy	
i-05753834c0645193b	InService	t2.micro	-	TigerASLC	us-east-1b	Healthy	
i-0f5baf55e5128ef5	InService	t2.micro	-	TigerASLC	us-east-1a	Healthy	

Lifecycle hooks (0) Info

Name	Lifecycle transition	Default result	Heartbeat timeout (seconds)	Notification target ARN	Role ARN
------	----------------------	----------------	-----------------------------	-------------------------	----------

No lifecycle hooks are currently configured. Lifecycle hooks help you perform custom actions on instances as they launch and before they terminate. Create lifecycle hook

Warm pool Info

No warm pool currently configured. Create warm pool

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EC2 instances created during autoscaling:

The screenshot shows the AWS EC2 Instances page. The left sidebar includes sections for New EC2 Experience, Events, Tags, Limits, Instances (selected), Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Scheduled Instances, Capacity Reservations, Images (AMIs, AMI Catalog), Elastic Block Store (Volumes, Snapshots, Lifecycle Manager), Network & Security (Security Groups, Elastic IPs, Placement Groups, Key Pairs, Network Interfaces), Load Balancing (Load Balancers, Target Groups), and Auto Scaling. The main content area displays a table titled "Instances (6) Info" with the following data:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 address	Elastic IP	IPv6 IPs
TigerAS-Instance	i-00a879d492fe07b69	Running	t2.micro	2/2 checks passed	No alarms	+ us-east-1a	-	-	-	-
TigerEC2-PV1	i-01279be8f5250631	Running	t2.micro	2/2 checks passed	No alarms	+ us-east-1a	-	-	-	-
TigerEC2	i-0bec728486a796f5	Running	t2.micro	2/2 checks passed	No alarms	+ us-east-1b	ec2-18-212-156-116.co...	18.212.156.116	-	-
TigerAS-Instance	i-0ac2b0e46e53e1aa1	Running	t2.micro	2/2 checks passed	No alarms	+ us-east-1b	-	-	-	-
TigerEC2-PV2	i-0983ba541a4cd359	Running	t2.micro	2/2 checks passed	No alarms	+ us-east-1b	-	-	-	-
TigerAS-Instance	i-05753834d645193b	Running	t2.micro	2/2 checks passed	No alarms	+ us-east-1b	-	-	-	-

1.12 TigerTargets Target Group:

The screenshot shows the AWS EC2 Target Groups page. The left sidebar includes sections for New EC2 Experience, Events, Tags, Limits, Instances (selected), Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Scheduled Instances, Capacity Reservations, Images (AMIs, AMI Catalog), Elastic Block Store (Volumes, Snapshots, Lifecycle Manager), Network & Security (Security Groups, Elastic IPs, Placement Groups, Key Pairs, Network Interfaces), Load Balancing (Load Balancers, Target Groups selected), and Auto Scaling. The main content area displays a table titled "Target groups (1/1) Info" with the following data:

Name	ARN	Port	Protocol	Target type	Load balancer	VPC ID
TigerTargets	arn:aws:elasticloadbalancing:us-east-1:12199205181:targetgroup/9f1ed31e7890dfb7	80	HTTP	Instance	TigerELB	vpc-01292e076a3c87a9

Below the table, under "TigerTargets", there is a "Registered targets (4)" section showing the following data:

Instance ID	Name	Port	Zone	Health status	Health status details
i-00a879d492fe07b69	TigerAS-Instance	80	us-east-1a	healthy	
i-0983ba541a4cd359	TigerEC2-PV2	80	us-east-1b	healthy	
i-01279be8f5250631	TigerEC2-PV1	80	us-east-1a	healthy	
i-05753834d645193b	TigerAS-Instance	80	us-east-1b	healthy	

Above screenshot shows that all the target groups were healthy.

1.13 Database Connectivity and Security Information:

Security Group:

Security Groups (1/5) Info

Name	Security group ID	Security group name	VPC ID	Description	Owner	Inbound rules count	Outbound rules count
sg-0abe2973a27ad572a	vpc-025f0842acdff1fd	default	default VPC security group	121992051881	1 Permission entry	1 Permission entry	
sg-00f415360aa9abf03	vpc-01292ec076a5c87e9	default	default VPC security group	121992051881	1 Permission entry	1 Permission entry	
sg-0a1ca7ca309cf71c	vpc-01292ec076a5c87e9	Web Security Group	Enable HTTP access	121992051881	2 Permission entries	1 Permission entry	
sg-0c7ab9a7918e22953	vpc-01292ec076a5c87e9	Tiger DB Security Group	Permit access from Web Security Group	121992051881	1 Permission entry	1 Permission entry	
sg-0cca54049ab5c7330	vpc-028a06c2f04439840	default	default VPC security group	121992051881	1 Permission entry	1 Permission entry	

sg-0c7ab9a7918e22953 - Tiger DB Security Group

Details

Security group name	Security group ID	Description	VPC ID
Tiger DB Security Group	sg-0c7ab9a7918e22953	Permit access from Web Security Group	vpc-01292ec076a5c87e9
Owner	121992051881	Inbound rules count	1 Permission entry
		Outbound rules count	1 Permission entry

Inbound rules (1/1)

Name	Security group rule...	IP version	Type	Protocol	Port range	Source	Description
sg-006cff55b179cb1d	-	-	MySQL/Aurora	TCP	3306	sg-0a1ca7ca309cf71...	-

Security Groups (1/5) Info

Name	Security group ID	Security group name	VPC ID	Description	Owner	Inbound rules count	Outbound rules count
sg-0abe2973a27ad572a	vpc-025f0842acdff1fd	default	default VPC security group	121992051881	1 Permission entry	1 Permission entry	
sg-00f415360aa9abf03	vpc-01292ec076a5c87e9	default	default VPC security group	121992051881	1 Permission entry	1 Permission entry	
sg-0a1ca7ca309cf71c	vpc-01292ec076a5c87e9	Web Security Group	Enable HTTP access	121992051881	2 Permission entries	1 Permission entry	
sg-0c7ab9a7918e22953	vpc-01292ec076a5c87e9	Tiger DB Security Group	Permit access from Web Security Group	121992051881	1 Permission entry	1 Permission entry	
sg-0cca54049ab5c7330	vpc-028a06c2f04439840	default	default VPC security group	121992051881	1 Permission entry	1 Permission entry	

sg-0c7ab9a7918e22953 - Tiger DB Security Group

Details

Security group name	Security group ID	Description	VPC ID
Tiger DB Security Group	sg-0c7ab9a7918e22953	Permit access from Web Security Group	vpc-01292ec076a5c87e9
Owner	121992051881	Inbound rules count	1 Permission entry
		Outbound rules count	1 Permission entry

Inbound rules (1/1)

Name	Security group rule...	IP version	Type	Protocol	Port range	Source	Description
sg-006cff55b179cb1d	-	-	MySQL/Aurora	TCP	3306	sg-0a1ca7ca309cf71...	-

DB Subnet:

Subnet group details

VPC ID: vpc-01292ec076a3c87a9
ARN: arn:aws:rds:us-east-1:121992051881:subgrp:tigerrds-subnets
Description: Tiger DB Subnet Group

Subnets (2)	Availability zone	Subnet ID	CIDR block
us-east-1b	us-east-1a	subnet-084c75157e22a9262 subnet-0483f25f5785f2924	10.0.0.0/23 10.0.2.0/23

Tags (0)

No tags. You don't have any tags associated with this resource.

DB connectivity and security information:

Summary

DB identifier: clemsondb
Role: Instance
CPU: 2.72%
Status: Available
Class: db.t3.micro
Region & AZ: us-east-1a

Connectivity & security

Endpoint: clemsondb.cytrretcpk.us-east-1.rds.amazonaws.com
Port: 3306
Networking: Availability Zone: us-east-1a, VPC: FinalVPC (vpc-01292ec076a3c87a9)
Subnet group: tigerrds-subnets
Subnets: subnet-0483f25f5785f2924, subnet-084c75157e22a9262
Security: Security group rules: Tiger DB Security Group (sg-0c7ab9a7918e22953)

Security group rules (2)

Security group	Type	Rule
Tiger DB Security Group (sg-0c7ab9a7918e22953)	EC2 Security Group - Inbound	sg-0a10a7ca506cf71c
Tiger DB Security Group (sg-0c7ab9a7918e22953)	EC2 Security Group - Outbound	0.0.0.0/0

1.14 Database Configuration Information:

The screenshot shows the AWS RDS Management Console interface. The top navigation bar includes links to 'Learner Lab - Associate Service', 'RDS Management Console', 'Welcome to AWS Technical Essentials v4.1', and 'AWS Technical Essentials v4.1'. The main page displays a summary of a database named 'clemsondb' in the 'us-east-1' region. The database is currently 'Rebooting' and is running on a 'db.t3.micro' instance class. It uses the MySQL Community engine and is located in the 'us-east-1a' availability zone. The 'Configuration' tab is selected, showing detailed configuration settings such as the instance class (db.t3.micro), storage type (General Purpose SSD (gp2)), and performance insights status (No). Other tabs include 'Connectivity & security', 'Monitoring', 'Logs & events', 'Maintenance & backups', and 'Tags'. On the left sidebar, there are sections for 'Dashboard', 'Databases' (selected), 'Query Editor', 'Performance insights', 'Schemas', 'Automated backups', 'Reserved instances', 'Proxies', 'Subnet groups', 'Parameter groups', 'Option groups', 'Custom engine versions', 'Events', 'Event subscriptions', 'Recommendations', and 'Certificate update'. The bottom of the page includes a feedback link, a language selection dropdown, and copyright information for 2022 Amazon Web Services, Inc. or its affiliates.