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Module 11 Lab 1
CS55A

Screenshot of EC2 Instance showing Public DNS

The screenshot displays the AWS Management Console interface for an EC2 instance. The left sidebar shows the navigation menu with categories like EC2 Dashboard, Images, Elastic Block Store, Network & Security, Load Balancing, and Auto Scaling. The main content area shows the 'Instance summary for i-08cc5c23e4a95e78a (CS55A Linux Demo)'. The instance is in the 'Running' state. The Public IPv4 address is 54.209.162.219. The Public IPv4 DNS is ec2-54-209-162-219.compute-1.amazonaws.com. The instance is associated with the IAM role 'RunInstances' and the VPC 'vpc-b59e7dc8'.

Instance summary for i-08cc5c23e4a95e78a (CS55A Linux Demo)		
Instance ID i-08cc5c23e4a95e78a (CS55A Linux Demo)	Public IPv4 address 54.209.162.219 open address	Private IPv4 addresses 172.31.22.86
IPv6 address -	Instance state Running	Public IPv4 DNS ec2-54-209-162-219.compute-1.amazonaws.com open address
Hostname type IP name: ip-172-31-22-86.ec2.internal	Private IP DNS name (IPv4 only) ip-172-31-22-86.ec2.internal	Elastic IP addresses -
Answer private resource DNS name IPv4 (A)	Instance type t2.micro	AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for recommendations. Learn more
Auto-assigned IP address 54.209.162.219 [Public IP]	VPC ID vpc-b59e7dc8	Auto Scaling Group name -
IAM Role -	Subnet ID subnet-4fe18602	
IMDSv2 Optional		

Instance details		
Platform Amazon Linux (Inferred)	AMI ID ami-0bef6cc322bfff646	Monitoring disabled
Platform details Linux/UNIX	AMI name amzn2-ami-kernel-5.10-hvm-2.0.20230515.0-x86_64-gp2	Termination protection Disabled
Stop protection Disabled	Launch time Tue Jun 06 2023 16:47:48 GMT-0400 (Eastern Daylight Time) (11 minutes)	AMI location amazon/amzn2-ami-kernel-5.10-hvm-2.0.20230515.0-x86_64-gp2
Instance auto-recovery Default	Lifecycle normal	Stop-hibernate behavior disabled
AMI Launch index 0	Key pair assigned at launch jpalmeri-key-pair-us-east-1	State transition reason -
Credit specification standard	Kernel ID -	State transition message -
Usage operation RunInstances	RAM disk ID -	Owner 985642936009

EC2 Security Group

sg-08a5382b37015f581 - jpalmeri_SG_us_east_1

Actions ▾

Details

Security group name

jpalmeri_SG_us_east_1

Security group ID

sg-08a5382b37015f581

Description

CS55A Network Security

VPC ID

vpc-b59e7dc8

Owner

985642936009

Inbound rules count

3 Permission entries

Outbound rules count

3 Permission entries

Inbound rules

Outbound rules

Tags

You can now check network connectivity with Reachability Analyzer

Run Reachability Analyzer

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Inbound rules (3)

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Manage tags

Edit inbound rules

🔍 Filter security group rules

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IP version	Type	Protocol	Port range	Source
IPv4	HTTPS	TCP	443	0.0.0.0/0
IPv4	HTTP	TCP	80	0.0.0.0/0
IPv4	SSH	TCP	22	0.0.0.0/0

Screenshot of Putty

```
ec2-user@ip-172-31-22-86:~  
Using username "ec2-user".  
Authenticating with public key "jpalmeri-key-pair-us-east-1"  
  
  _ | _ | _ )  
  _ | ( _ | /  Amazon Linux 2 AMI  
  __| \__| __|  
  
https://aws.amazon.com/amazon-linux-2/  
6 package(s) needed for security, out of 7 available  
Run "sudo yum update" to apply all updates.  
[ec2-user@ip-172-31-22-86 ~]$ ls  
[ec2-user@ip-172-31-22-86 ~]$ cd  
[ec2-user@ip-172-31-22-86 ~]$ mkdir test  
[ec2-user@ip-172-31-22-86 ~]$ ls  
test  
[ec2-user@ip-172-31-22-86 ~]$ cd  
[ec2-user@ip-172-31-22-86 ~]$ cd test  
[ec2-user@ip-172-31-22-86 test]$ ls  
[ec2-user@ip-172-31-22-86 test]$ cd ..  
[ec2-user@ip-172-31-22-86 ~]$ rm test  
rm: cannot remove 'test': Is a directory  
[ec2-user@ip-172-31-22-86 ~]$ rmdir test  
[ec2-user@ip-172-31-22-86 ~]$ ls  
[ec2-user@ip-172-31-22-86 ~]$ cd  
[ec2-user@ip-172-31-22-86 ~]$ uname -a  
Linux ip-172-31-22-86.ec2.internal 5.10.179-166.674.amzn2.x86_64 #1 SMP Mon May  
8 16:54:25 UTC 2023 x86_64 x86_64 x86_64 GNU/Linux  
[ec2-user@ip-172-31-22-86 ~]$
```