

AWS multi-tier architecture | New repository | vpcs | VPC Console

https://us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#vpcs:

aws Search [Alt+S]

Account ID: 2656-1395-1531 United States (N. Virginia) Md Muzaffar Qureshi

VPC dashboard < VPCs | VPC encryption controls - new

Your VPCs (2) info

Name	VPC ID	State	Encryption c...	Encryption control ...	Block Public...
cloudforall-VPC-vpc	vpc-0693374a45a52b94e	Available	-	-	Off
-	vpc-0e87dce5fb3c4e916	Available	-	-	Off

Select a VPC above

CloudShell Feedback Console Mobile App © 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

AWS multi-tier architecture | New repository | subnets | VPC Console

https://us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#subnets:

aws Search [Alt+S]

Account ID: 2656-1395-1531 United States (N. Virginia) Md Muzaffar Qureshi

VPC dashboard < Subnets

Subnets (5) info

Name	Subnet ID	State	VPC	Block Public...	IP
-	subnet-097cf7c12430f5274	Available	vpc-0e87dce5fb3c4e916	Off	10
cloudforall-VPC-subnet-public1-us-east-1a	subnet-0d1bbdc132f3019fe4	Available	vpc-0693374a45a52b94e clou...	Off	10
cloudforall-VPC-subnet-private2-us-east-1b	subnet-01d245352df7181ca	Available	vpc-0693374a45a52b94e clou...	Off	10
cloudforall-VPC-subnet-private1-us-east-1a	subnet-00487ce9c2c55b079	Available	vpc-0693374a45a52b94e clou...	Off	10
cloudforall-VPC-subnet-public2-us-east-1b	subnet-026961c7e3db9317b	Available	vpc-0693374a45a52b94e clou...	Off	10

Select a subnet

CloudShell Feedback Console Mobile App © 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

RE:[CASE 17621020870085] VPC | ap-south-1 AWS multi-tier architecture CT/JGP Batch-46: Capstone P Prob Statement 01- Architecture Account ID: 2656-1395-1531

https://ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#InternetGateway:internetGatewayId=igw-04d1c55a6b5108e52

VPC dashboard AWS Global View Filter by VPC

Virtual private cloud Your VPCs Subnets Route tables Internet gateways Egress-only internet gateways DHCP option sets Elastic IPs Managed prefix lists NAT gateways Peering connections Route servers New

Details info Internet gateway ID igw-04d1c55a6b5108e52 State Attached VPC ID vpc-06bc40c2c485e690d Owner 265613951531 CloudForAll-VPC

Tags (1) Manage tags Key Value Name CloudForAll-IGW

CloudShell Feedback Console Mobile App © 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

RE:[CASE 17621020870085] VPC | ap-south-1 AWS multi-tier architecture CT/JGP Batch-46: Capstone P Prob Statement 01- Architecture Account ID: 2656-1395-1531

https://ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#RouteTableDetails:RouteTableId=rtb-0117dfc0a5e3a489d

VPC Route tables rtb-0117dfc0a5e3a489d / Public-RT

Virtual private cloud Your VPCs Subnets Route tables Internet gateways Egress-only internet gateways DHCP option sets Elastic IPs Managed prefix lists NAT gateways Peering connections Route servers New

Security Network ACLs Security groups PrivateLink and Lattice

Details info Route table ID rtb-0117dfc0a5e3a489d Main No Owner ID vpc-06bc40c2c485e690d | CloudForAll-VPC Explicit subnet associations 2 subnets Edge associations -

Routes Subnet associations Edge associations Route propagation Tags

Explicit subnet associations (2) Edit subnet associations Find subnet association

Name	Subnet ID	IPv4 CIDR	IPv6 CIDR
Public-Subnet-1	subnet-0332b0df2c85e290f	10.0.1.0/24	-
Public-Subnet-2	subnet-07abd9151a9f91d0d	10.0.3.0/24	-

CloudShell Feedback Console Mobile App © 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

RE(CASE 17621020870085) RouteTables | VPC Console AWS multi-tier architecture CT/JGP Batch-46: Capstone P Prob Statement 01- Architecture Account ID: 2656-1395-1531

https://ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#RouteTables:

aws Search [Alt+S] Asia Pacific (Mumbai) Md Muzaffar Qureshi

VPC > Route tables

Route tables (4) Info Last updated less than a minute ago Actions Create route table

Find route tables by attribute or tag

Name	Route table ID	Explicit subnet associations	Edge associations	Main	VPC
-	rtb-0ec59a38ae83a1985	-	-	Yes	vpc-0
-	rtb-023d66ec5f2e1fef3	-	-	Yes	vpc-0
Public-RT	rtb-0117dfc0a5e3a489d	2 subnets	-	No	vpc-0
Private-RT	rtb-0afb50871b1ee61cd	2 subnets	-	No	vpc-0

Select a route table

CloudShell Feedback Console Mobile App © 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

RE(CASE 17621020870085) VPC | ap-south-1 AWS multi-tier architecture CT/JGP Batch-46: Capstone P Prob Statement 01- Architecture Account ID: 2656-1395-1531

https://ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#NatGatewayDetails:natGatewayId=nat-07576d53e4b07d1b8

aws Search [Alt+S] Asia Pacific (Mumbai) Md Muzaffar Qureshi

VPC > NAT gateways > nat-07576d53e4b07d1b8 / NAT-GW-1 Actions

Filter by VPC

Virtual private cloud

NAT gateway ID nat-07576d53e4b07d1b8	Connectivity type Public	State Pending	State message -
NAT gateway ARN arn:aws:ec2:ap-south-1:265613951531:natgateway/nat-07576d53e4b07d1b8	Primary public IPv4 address -	Primary private IPv4 address 10.0.1.208	Primary network interface ID eni-0e2577f2b418d87f9
VPC vpc-06bc40c2c485e690d / CloudForAll-VPC	Subnet subnet-0332b0df2c85e290f / Public-Subnet-1	Created Thursday, November 6, 2025 at 20:29:22 GMT+5:30	Deleted -

Secondary IPv4 addresses Monitoring Tags

Secondary IPv4 addresses Edit secondary IPv4 address associations

Search Private IPv4 address Allocation ID Association ID Public IPv4 address

CloudShell Feedback Console Mobile App © 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

RE(CASE 17621020870085) SecurityGroups | VPC Console AWS multi-tier architecture CT/JP Batch-46: Capstone P Prob Statement 01- Architecture

https://ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#SecurityGroups:

aws Search [Alt+S] Account ID: 2656-1395-1531 Asia Pacific (Mumbai) Md Muzaffar Qureshi

VPC > Security Groups

NAT gateways
Peering connections
Route servers New

Security Network ACLs Security groups

PrivateLink and Lattice Getting started
Endpoints
Endpoint services
Service networks
Lattice services
Resource configurations
Resource gateways
Target groups

DNS firewall Rule groups

CloudShell Feedback Console Mobile App © 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

Security Groups (2/4) Info

Name	Security group ID	Security group name	VPC ID
-	sg-0ded95fbc90990a02	ALB-SG	vpc-06bc40c2c485e690d
-	sg-02e01a4d3555c55cb	App-SG	vpc-06bc40c2c485e690d
-	sg-04fbab964dc5e1e56	default	vpc-06bc40c2c485e690d
-	sg-0e829bf4479bb920e	default	vpc-0dec51d2540d4ed95

Security Groups: sg-0ded95fbc90990a02, sg-02e01a4d3555c55cb

RE(CASE 17621020870085) Instances | EC2 | ap-south-1 AWS multi-tier architecture CT/JP Batch-46: Capstone P Prob Statement 01- Architecture

https://ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Instances:v=3:\$case=tags:true%5C.client=false;\$regex=tags:false%5C.client=false

aws Search [Alt+S] Account ID: 2656-1395-1531 Asia Pacific (Mumbai) Md Muzaffar Qureshi

EC2 > Instances

Instances (2) Info Last updated less than a minute ago Connect Instance state Actions Launch Instances

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IP
WebApp-Server-2	i-0c6186f5ff53c70dc	Running	t2.micro	Initializing	View alarms +	ap-south-1b	-
WebApp-Server-1	i-0db5f51dfee7aa6d2	Running	t2.micro	2/2 checks passed	View alarms +	ap-south-1a	-

Select an instance

CloudShell Feedback Console Mobile App © 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

RE[CASE 17621020870085] Managed nodes | Fleet Manager AWS multi-tier architecture CT/JP Batch-46: Capstone P Prob Statement 01- Architecture

https://ap-south-1.console.aws.amazon.com/systems-manager/fleet-manager/managed-nodes?region=ap-south-1

AWS Search [Alt+S] Account ID: 2656-1395-1531 Asia Pacific (Mumbai) Md Muzaffar Qureshi

Systems Manager > Fleet Manager > Managed nodes

Fleet Manager Info

You may have unmanaged Amazon EC2 instances You can automatically configure Amazon EC2 instances as managed instances in your current account and Region by enabling Default Host Management Configuration. Learn more

Configure Default Host Management

Managed Nodes (2)

Filter Last fetched at: 9:25 PM

Node ID	Name	Platform	Operator	Resource Type	Source ID	Ping status	
i-0c6186f5ff53c70dc	Running	WebApp-Server-2	Linux	Amazon L...	EC2 insta...	-	Online
i-0db5f51dfee7aa6d2	Running	WebApp-Server-1	Linux	Amazon L...	EC2 insta...	-	Online

Report Node actions

CloudShell Feedback Console Mobile App © 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

RE[CASE 17621020870085] EC2-SSM-Role | IAM | Global AWS multi-tier architecture CT/JP Batch-46: Capstone P Prob Statement 01- Architecture

https://us-east-1.console.aws.amazon.com/iam/home?region=ap-south-1#/roles/details/EC2-SSM-Role

AWS Search [Alt+S] Account ID: 2656-1395-1531 Global Md Muzaffar Qureshi

IAM > Roles > EC2-SSM-Role

Identity and Access Management (IAM)

EC2-SSM-Role Info

Allows EC2 instances to call AWS services on your behalf.

Summary

Creation date November 06, 2025, 20:37 (UTC+05:30)

ARN arn:aws:iam::265613951531:role/EC2-SSM-Role

Last activity -

Maximum session duration 1 hour

Instance profile ARN arn:aws:iam::265613951531:instance-profile/EC2-SSM-Role

Permissions Edit

Permissions Trust relationships Tags Last Accessed Revoke sessions

Permissions policies (1) info

You can attach up to 10 managed policies.

Filter by Type

Policy name	Type	Attached entities
AmazonSSMManagedInstanceCore	AWS managed	1

CloudShell Feedback Console Mobile App © 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

RE[CASE] Target groups Systems Systems AWS multi-tier archi CT/JP Batch-46: Cap Prob Statement 01- cloudfor install.sh

https://ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#TargetGroup:targetGroupArn=arn:aws:elasticloadbalancing:ap-south-1:265613951531:targetgroup/webapp-tg/138d56497378d80c

Account ID: 2656-1395-1531 Asia Pacific (Mumbai) Md Muzaffar Qureshi

EC2 Target groups webapp-tg Actions

Details

arn:aws:elasticloadbalancing:ap-south-1:265613951531:targetgroup/webapp-tg/138d56497378d80c

Target type Instance	Protocol : Port HTTP: 80	Protocol version HTTP1	VPC vpc-06bc40c2c485e690d
IP address type IPv4	Load balancer CloudForAll-ALB		
2 Total targets	2 Healthy	0 Unhealthy	0 Unused
	0 Anomalous		0 Initial
			0 Draining

► Distribution of targets by Availability Zone (AZ)

Select values in this table to see corresponding filters applied to the Registered targets table below.

Targets Monitoring Health checks Attributes Tags

© 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

CloudShell Feedback Console Mobile App

RE[CASE 1762102087] EC2 | ap-south-1 AWS multi-tier archi CT/JP Batch-46: Cap Prob Statement 01- cloudfor install.sh

https://ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#LaunchTemplateDetails:launchTemplateId=lt-04674fd6cb47ff228

Account ID: 2656-1395-1531 Asia Pacific (Mumbai) Md Muzaffar Qureshi

EC2 Launch templates webapp-launch-template Actions Delete template

Launch template details

Launch template ID lt-04674fd6cb47ff228 Launch template name webapp-launch-template Default version 1 Owner arn:aws:iam:265613951531:root

Details Versions Template tags

Launch template version details

Version 1 (Default) Description Base template for Auto Scaling Web App Date created 2025-11-06T17:00:35.000Z Created by arn:aws:iam:265613951531:root

Instance details	Storage	Resource tags	Network interfaces	Advanced details
AMI ID ami-0305d3d91b9f22e84	Instance type t2.micro		Availability Zone -	Availability Zone Id -
Key pair name -	Security groups sg-02e01a4d3555c55cb			

Actions Delete template version

© 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

CloudShell Feedback Console Mobile App

RE(CASE 1762102087) Auto Scaling group AWS multi-tier archit... CTJGP Batch-46... Prob Statement 01... cloudforall-alb-6406... +

https://ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#AutoScalingGroupDetails:id=webapp-asg:view=details

aws Search [Alt+5] Account ID: 2656-1395-1531 Asia Pacific (Mumbai) Md Muzzaffar Qureshi

EC2 > Auto Scaling groups > webapp-asg

webapp-asg

webapp-asg Capacity overview

arn:aws:autoscaling:ap-south-1:265613951531:autoScalingGroup:840946a8-fbcd-4e38-9066-7f59e92a5026:autoScalingGroupName/webapp-asg

Desired capacity 2	Scaling limits (Min - Max) 1 - 3	Desired capacity type Units (number of instances)	Status
-----------------------	-------------------------------------	--	--------

Date created
Thu Nov 06 2025 22:38:50 GMT+0530 (India Standard Time)

Details Integrations Automatic scaling Instance management Instance refresh Activity Monitoring Tags - moved

Launch template

Launch template lt-04674fd6cb47ff228 webapp-launch-template	AMI ID ami-0305d3d91b9f22e84	Instance type t2.micro	Owner arn:aws:iam::265613951531:root
Version Default	Security groups -	Security group IDs sg-02e01a4d3555c55b	Create time Thu Nov 06 2025 22:30:35 GMT+0530 (India Standard Time)
Description Base template for Auto Scaling WebApp	Storage (volumes) -	Key pair name -	Request Spot Instances No

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

CloudShell Feedback Console Mobile App © 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

RE(CASE 1762102087) Auto Scaling group AWS multi-tier archit... CTJGP Batch-46... Prob Statement 01... cloudforall-alb-6406... cloudforall-alb-6406... +

https://ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#AutoScalingGroupDetails:id=webapp-asg:view=activity

aws Search [Alt+S] Account ID: 2656-1395-1531 Asia Pacific (Mumbai) Md Muzzaffar Qureshi

EC2 > Auto Scaling groups > webapp-asg

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 Trust Stores

Auto Scaling Auto Scaling Groups Settings

Activity history (4)

Filter activity history

Status	Description	Cause	Start time	End time
Successful	Launching a new EC2 instance: i-0de1b7ed0c35c5084	At 2025-11-06T17:14:58Z an instance was launched in response to an unhealthy instance needing to be replaced.	2025 November 06, 10:45:00 PM +05:30	2025 November 06, 10:45:32 PM +05:30
Connection draining in progress	Terminating EC2 instance: i-022904ab0040b52b0 - Waiting For ELB Connection Draining.	At 2025-11-06T17:14:58Z an instance was taken out of service in response to an EC2 health check indicating it has been terminated or stopped.	2025 November 06, 10:44:58 PM +05:30	2025 November 06, 10:45:00 PM +05:30
Successful	Launching a new EC2 instance: i-022904ab0040b52b0	At 2025-11-06T17:08:50Z a user request created an AutoScalingGroup changing the desired capacity from 0 to 2. At 2025-11-06T17:08:53Z an instance was started in response to a difference between desired and actual capacity, increasing the capacity from 0 to 2.	2025 November 06, 10:38:55 PM +05:30	2025 November 06, 10:39:00 PM +05:30
Successful	Launching a new EC2 instance: i-063dbaec92a93b3e5	At 2025-11-06T17:08:50Z a user request created an AutoScalingGroup changing the desired capacity from 0 to 2. At 2025-11-06T17:08:53Z an instance was started in response to a difference between desired and actual capacity, increasing the capacity from 0 to 2.	2025 November 06, 10:38:55 PM +05:30	2025 November 06, 10:39:26 PM +05:30

CloudShell Feedback Console Mobile App © 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

```

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MySQL [(none)]> SHOW DATABASES;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| sys |
| webappdb |
+-----+
5 rows in set (0.008 sec)

MySQL [(none)]> USE webappdb;
Database changed
MySQL [webappdb]> CREATE TABLE demo (id INT, name VARCHAR(30));
Query OK, 0 rows affected (0.057 sec)

MySQL [webappdb]> INSERT INTO demo VALUES (1, 'Muzaffar');
Query OK, 1 row affected (0.004 sec)

MySQL [webappdb]> SELECT * FROM demo;
+---+---+
| id | name |
+---+---+
| 1 | Muzaffar |
+---+---+
1 row in set (0.001 sec)

MySQL [webappdb]> EXIT;
Bye
sh-5.2$ 

```

CloudFront

- Distributions**
 - Policies
 - Functions
 - Static IPs
 - VPC origins
 - What's new
- SaaS**
 - Multi-tenant distributions
 - Distribution tenants
- Telemetry**
 - Monitoring
 - Alarms
 - Logs
- Reports & analytics**
 - Cache statistics
 - Popular objects
 - Top referrers
 - Usage

CloudForAll-CDN Standard

[View metrics](#)

[General](#) [Security](#) [Origins](#) [Behaviors](#) [Error pages](#) [Invalidations](#) [Tags](#) [Logging](#)

Details

Name CloudForAll-CDN	Distribution domain name dy8ory2u6g1hk.cloudfront.net	ARN arn:aws:cloudfront::265613951531:distribution/E4B27Y6H2JPBN	Last modified November 6, 2025 at 7:46:25 PM UTC
-------------------------	--	--	---

Settings

Description -	Alternate domain names Add domain	Standard logging Off
Price class Use all edge locations (best performance)		Cookie logging Off
Supported HTTP versions HTTP/2, HTTP/1.1, HTTP/1.0		Default root object -

Continuous deployment [Info](#)

[Edit](#)

© 2025, Amazon Web Services, Inc. or its affiliates. [Privacy](#) [Terms](#) [Cookie preferences](#)