

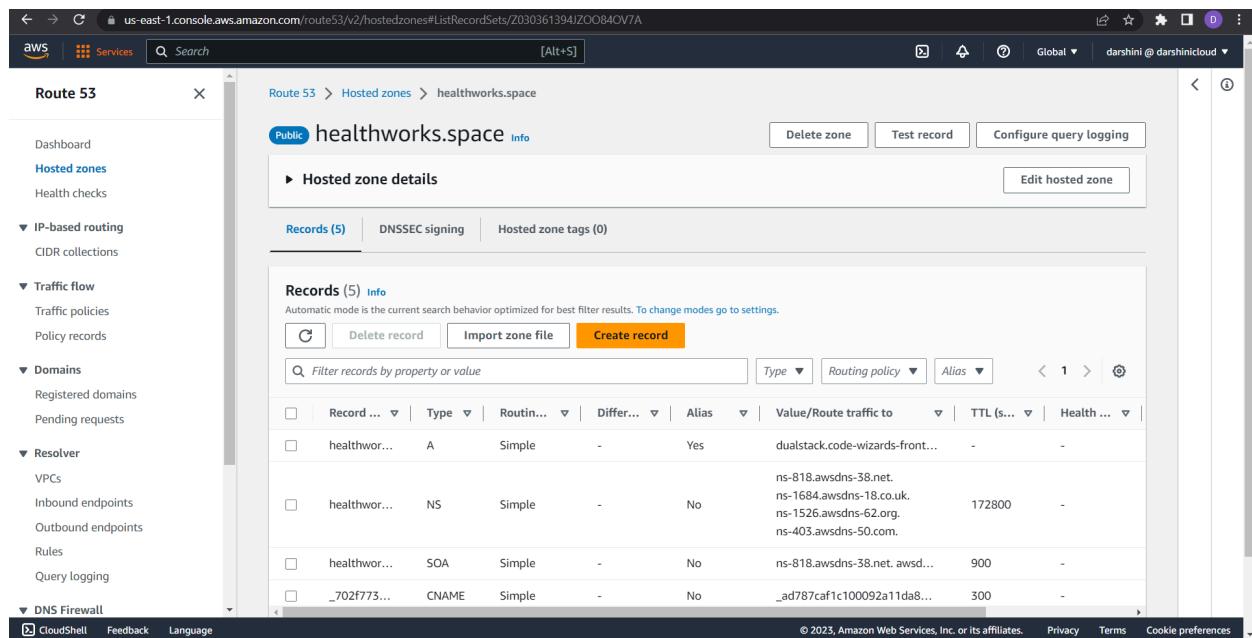
CMPE 202 – Team Code Wizards – Health Club Management System – AWS Deployment Screenshots

Team Members

Bhavya Hegde
Blessy Dickson Daniel Moses
Darshini Venkatesha Murthy Nag
Sirisha Polisetty

Application URL : <https://healthworks.space>

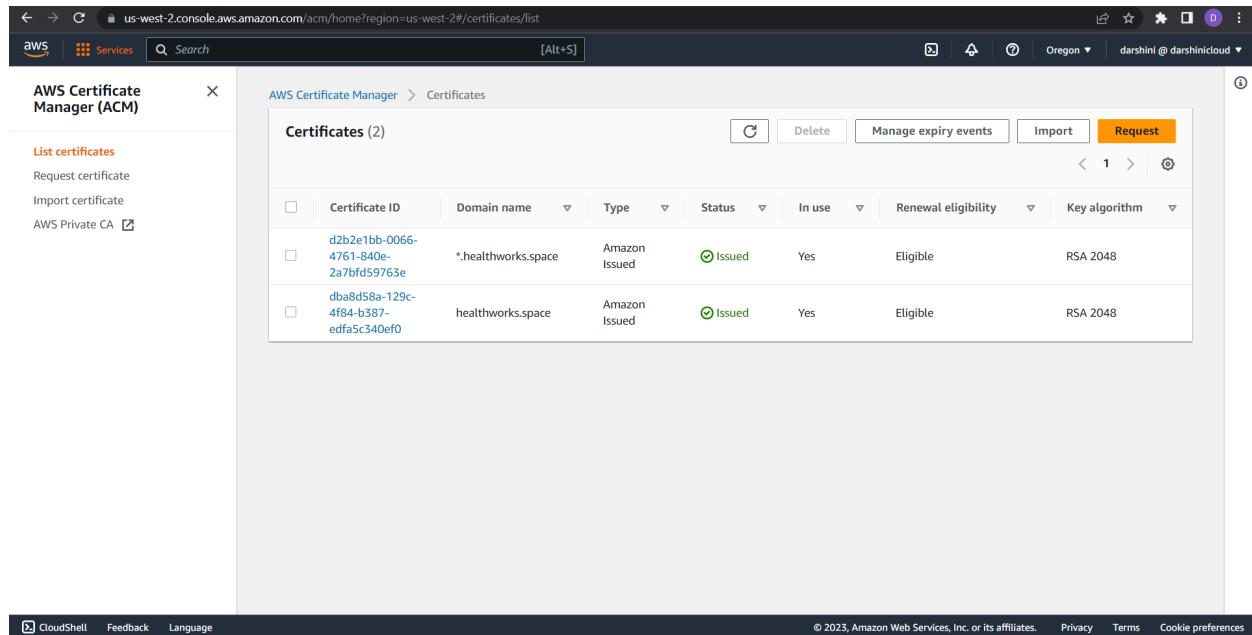
Route 53 Configuration for hosting our application on custom domain and to manage our application DNS records.



The screenshot shows the AWS Route 53 Hosted Zones page for the domain `healthworks.space`. The left sidebar navigation includes `Route 53`, `Hosted zones` (selected), `Health checks`, `IP-based routing`, `Traffic flow`, `Domains`, `Resolver`, and `DNS Firewall`. The main content area displays the `healthworks.space` hosted zone details with 5 records listed:

Record	Type	Value	TTL	Health
healthworks.space	A	dualstack.code-wizards-front...	-	-
healthworks.space	NS	ns-818.awsdns-38.net. ns-1684.awsdns-18.co.uk. ns-1526.awsdns-62.org. ns-403.awsdns-50.com.	172800	-
healthworks.space	SOA	ns-818.awsdns-38.net.awsd...	900	-
_702f773...	CNAME	_ad787caf1c100092a11da8...	300	-

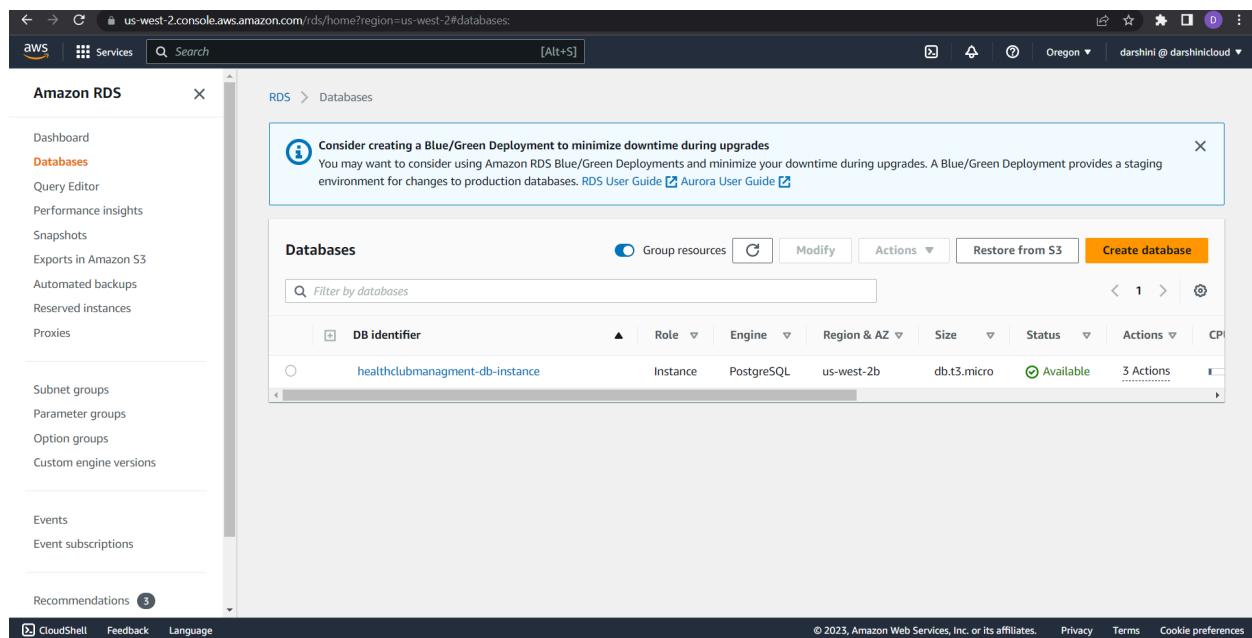
SSL Certificate for our custom domain obtained from AWS Certificate Manager is used for having secure https communications.



The screenshot shows the AWS Certificate Manager (ACM) console with the URL us-west-2.console.aws.amazon.com/acm/home?region=us-west-2#certificates/list. The left sidebar has a 'List certificates' option selected. The main table lists two certificates:

Certificate ID	Domain name	Type	Status	In use	Renewal eligibility	Key algorithm
d2b2e1bb-0066-4761-840e-2a7bfd59763e	*.healthworks.space	Amazon Issued	Issued	Yes	Eligible	RSA 2048
dba8d58a-129c-4f84-b367-edfa5c340ef0	healthworks.space	Amazon Issued	Issued	Yes	Eligible	RSA 2048

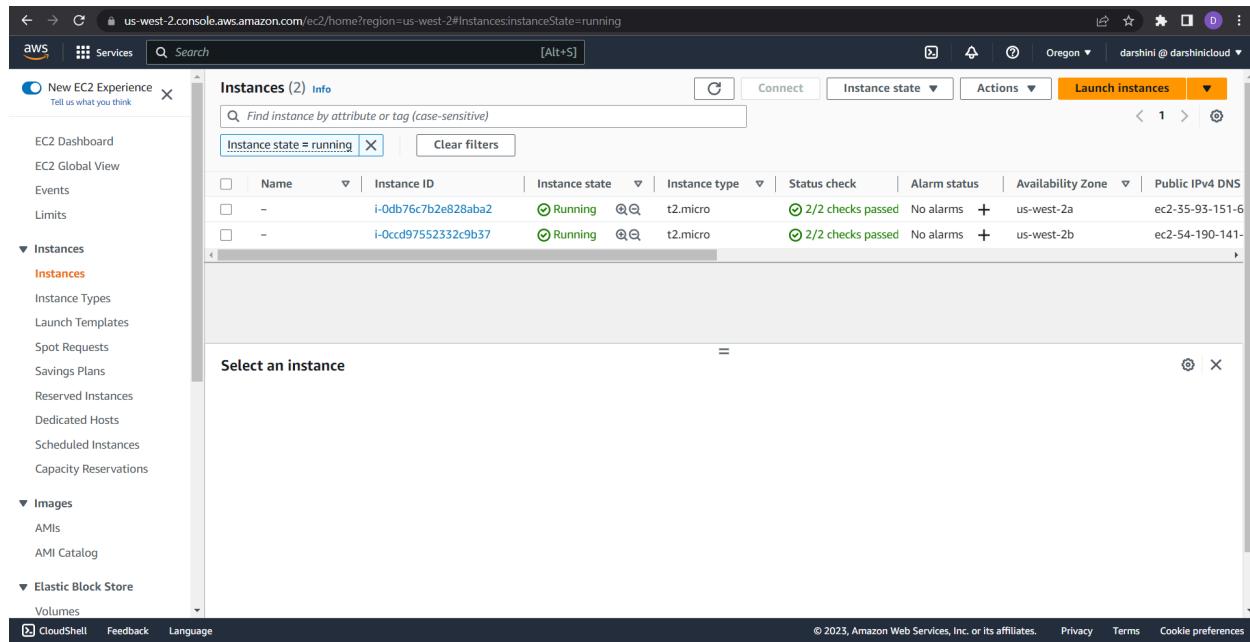
Amazon RDS PostGreSQL for Database



The screenshot shows the Amazon RDS console with the URL us-west-2.console.aws.amazon.com/rds/home?region=us-west-2#databases. The left sidebar has a 'Databases' option selected. A modal box at the top right provides information about Blue/Green Deployments. The main table lists one database instance:

DB identifier	Role	Engine	Region & AZ	Size	Status	Actions
healthclubmanagement-db-instance	Instance	PostgreSQL	us-west-2b	db.t3.micro	Available	3 Actions

EC2 instances created for running the frontend and backend of the application

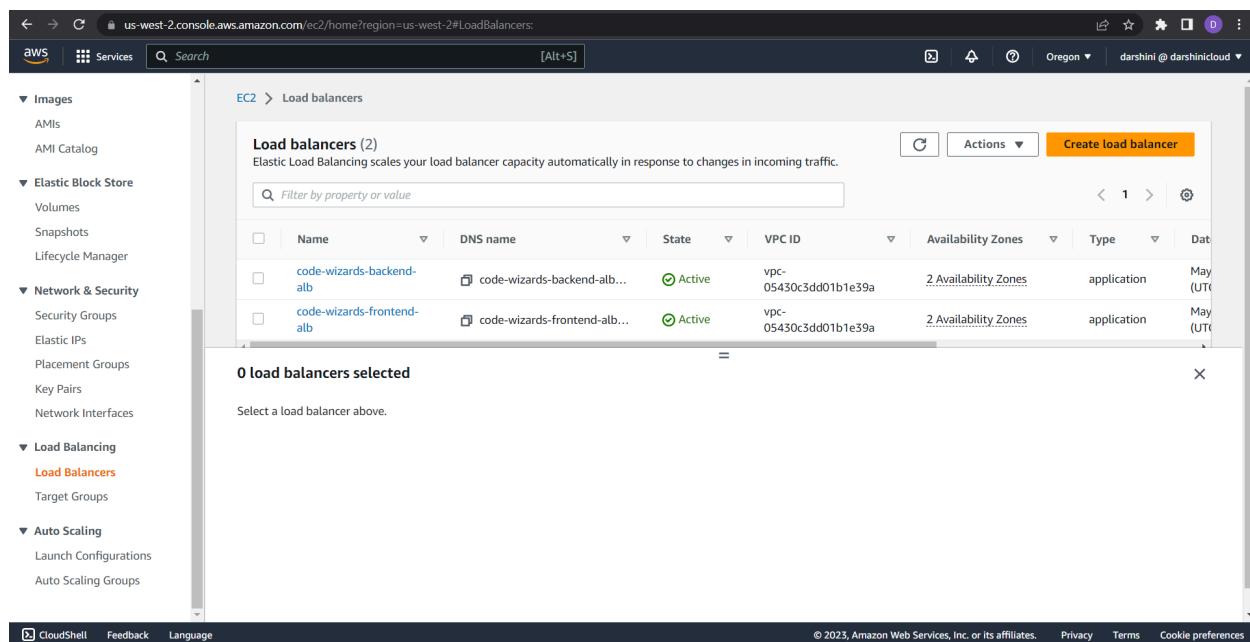


The screenshot shows the AWS EC2 Instances page. The left sidebar is collapsed. The main content area displays a table of running instances. The table has columns for Name, Instance ID, Instance state, Instance type, Status check, Alarm status, Availability Zone, and Public IPv4 DNS. Two instances are listed:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
-	i-0db76c7b2e828aba2	Running	t2.micro	2/2 checks passed	No alarms	us-west-2a	ec2-35-93-151-6
-	i-0ccd97552332c9b37	Running	t2.micro	2/2 checks passed	No alarms	us-west-2b	ec2-54-190-141-

Below the table, a modal window titled "Select an instance" is open, showing the two instances listed in the table.

Load Balancers for both frontend and backend servers to distribute incoming web traffic.

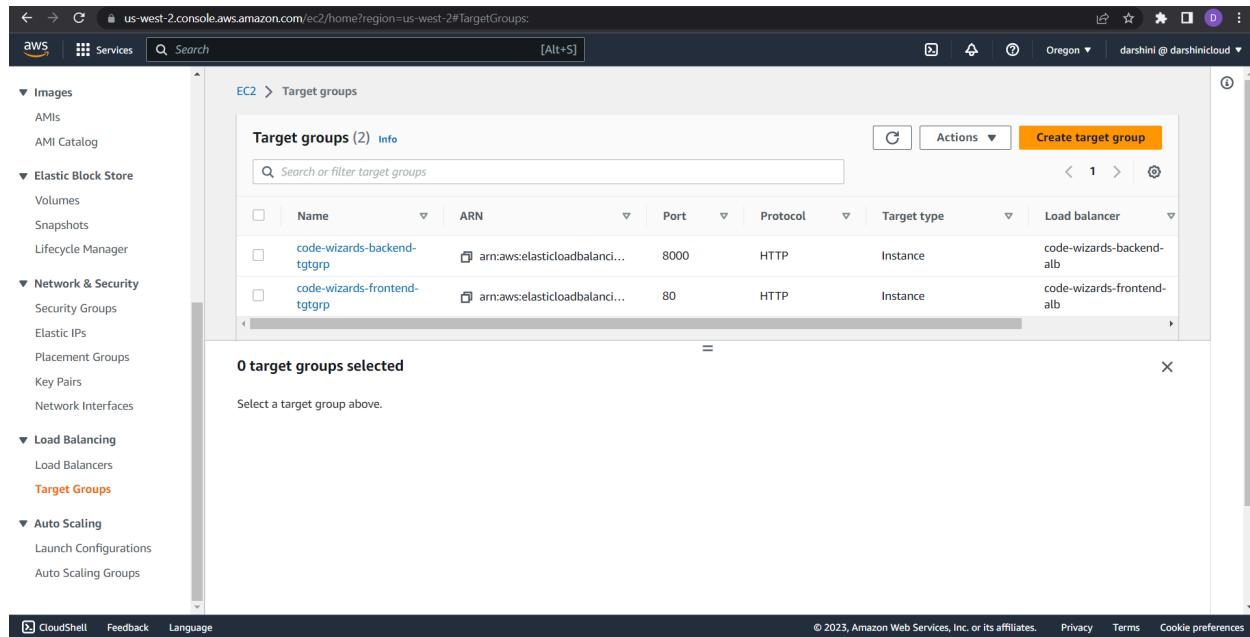


The screenshot shows the AWS EC2 Load Balancers page. The left sidebar is collapsed. The main content area displays a table of load balancers. The table has columns for Name, DNS name, State, VPC ID, Availability Zones, Type, and Date. Two load balancers are listed:

Name	DNS name	State	VPC ID	Availability Zones	Type	Date
code-wizards-backend-alb	code-wizards-backend-alb...	Active	vpc-05430c3dd01b1e39a	2 Availability Zones	application	May (UTC)
code-wizards-frontend-alb	code-wizards-frontend-alb...	Active	vpc-05430c3dd01b1e39a	2 Availability Zones	application	May (UTC)

Below the table, a modal window titled "0 load balancers selected" is open, with the message "Select a load balancer above."

Target Groups Configured for load balancers

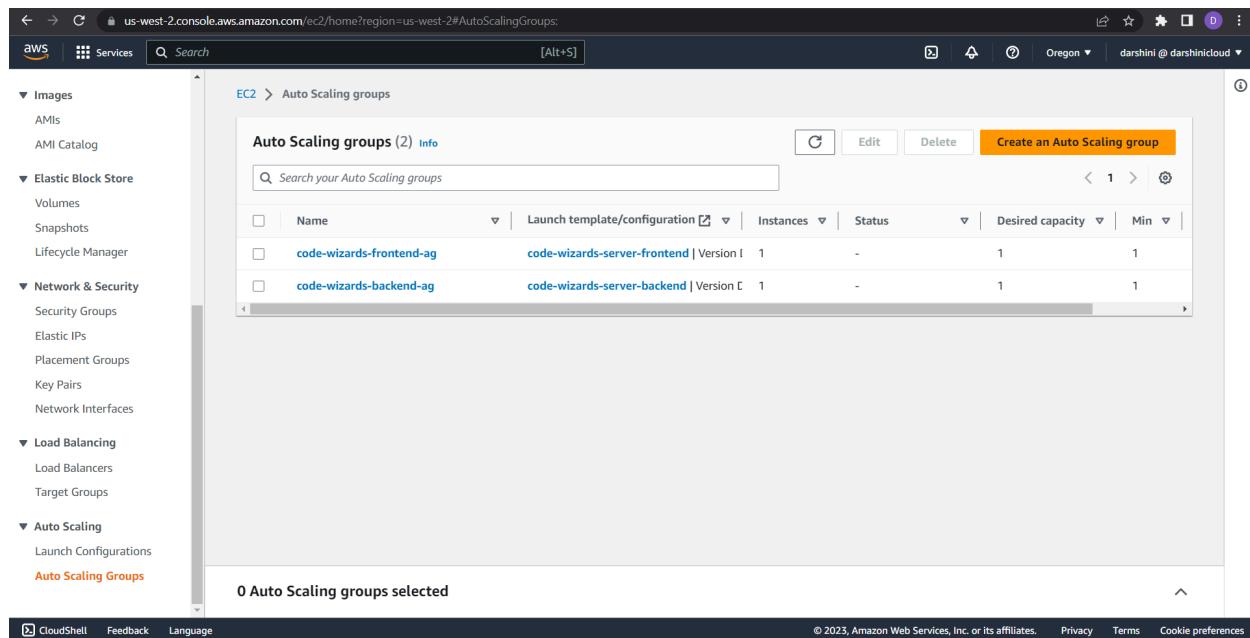


The screenshot shows the AWS EC2 Target Groups page. The left sidebar navigation includes: Images, AMIs, AMI Catalog, Elastic Block Store (Volumes, Snapshots, Lifecycle Manager), Network & Security (Security Groups, Elastic IPs, Placement Groups, Key Pairs, Network Interfaces), Load Balancing (Load Balancers, Target Groups), Auto Scaling (Launch Configurations, Auto Scaling Groups), and CloudShell, Feedback, Language at the bottom. The main content area is titled 'Target groups (2) Info' with a search bar. It lists two target groups:

Name	ARN	Port	Protocol	Target type	Load balancer
code-wizards-backend-tgtgrp	arn:aws:elasticloadbalancing:us-west-2:123456789012:targetgroup/code-wizards-backend-tgtgrp/5555555555555555	8000	HTTP	Instance	code-wizards-backend-alb
code-wizards-frontend-tgtgrp	arn:aws:elasticloadbalancing:us-west-2:123456789012:targetgroup/code-wizards-frontend-tgtgrp/5555555555555555	80	HTTP	Instance	code-wizards-frontend-alb

Below the table, a message says '0 target groups selected' and 'Select a target group above.'

Autoscaling groups created for both frontend and backend instances



The screenshot shows the AWS EC2 Auto Scaling Groups page. The left sidebar navigation includes: 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 (Launch Configurations, Auto Scaling Groups), and CloudShell, Feedback, Language at the bottom. The main content area is titled 'Auto Scaling groups (2) Info' with a search bar. It lists two autoscaling groups:

Name	Launch template/configuration	Instances	Status	Desired capacity	Min
code-wizards-frontend-ag	code-wizards-server-frontend Version I	1	-	1	1
code-wizards-backend-ag	code-wizards-server-backend Version E	1	-	1	1

Below the table, a message says '0 Auto Scaling groups selected'.