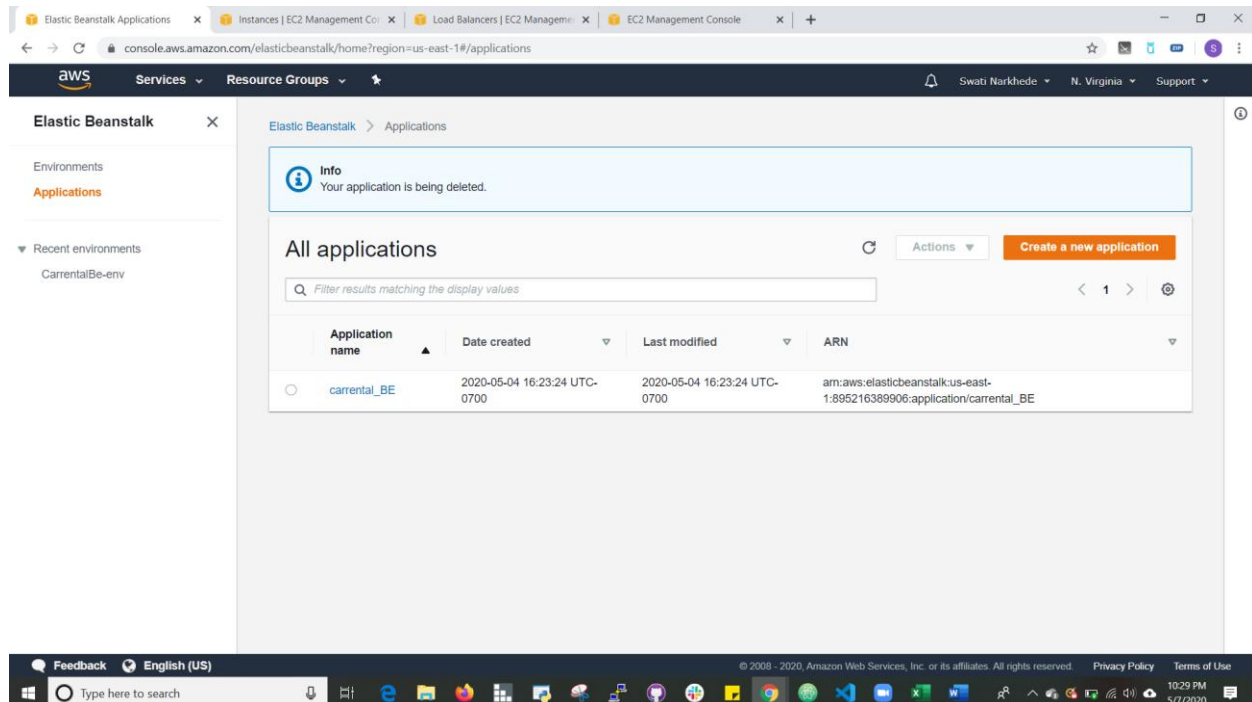


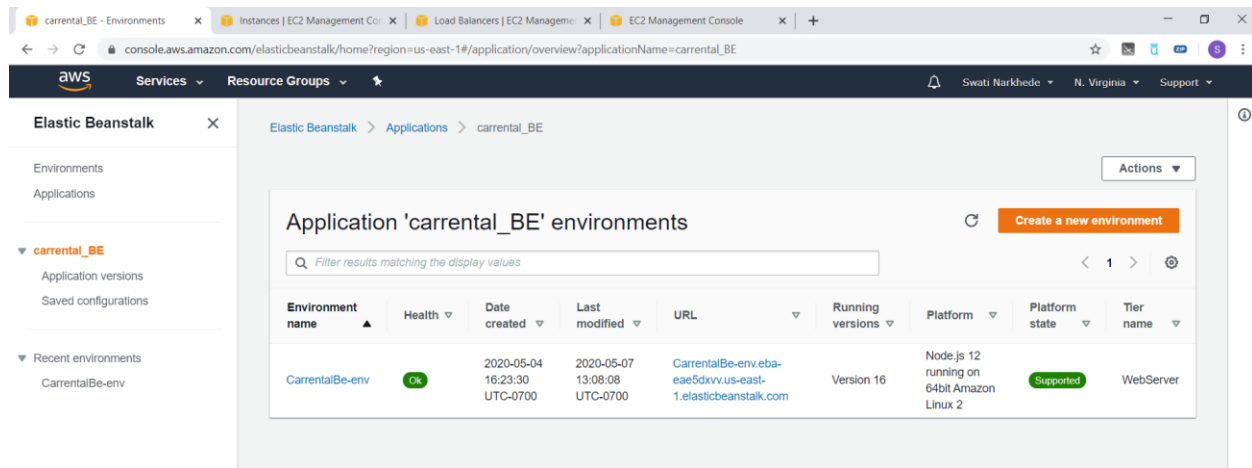
# AWS Deployment on Elastic Beanstalk

Team : Vigilantes

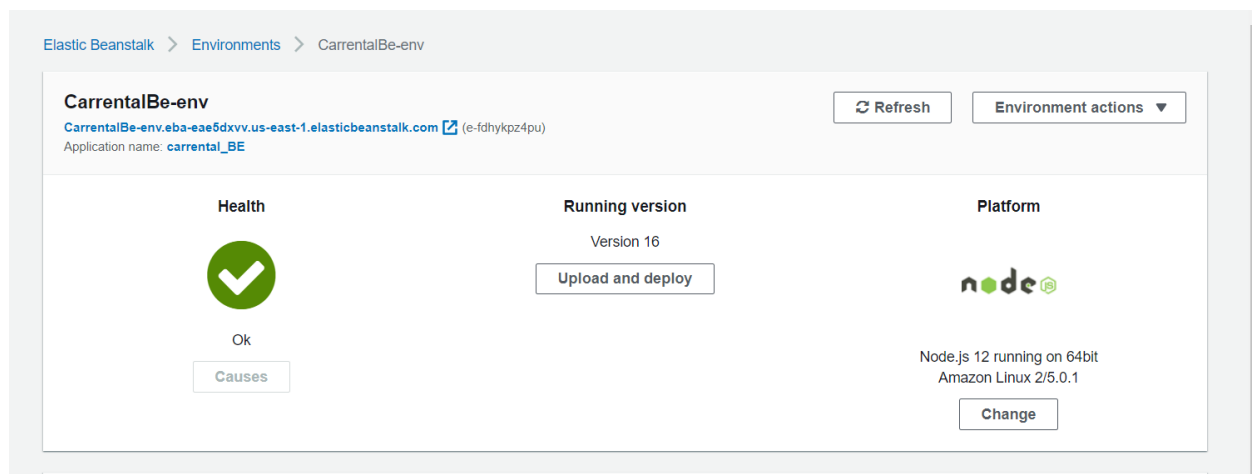
1. Asha Aher
2. Jumana Nadir
3. Swati Narkhede
4. Vijaylaxmi Nagurkar



Created an application in AWS Elastic Beanstalk specific to the Node.js platform.



Deployed Application successfully.



## Configured EC2 instances with load balancer and Autoscaling groups.

The screenshot shows the AWS Elastic Beanstalk console. On the left, the 'Elastic Beanstalk' sidebar is visible with options like Environments, Applications, and currental\_BE. The main panel displays configuration details for an environment. The 'Capacity' section shows settings like AMI ID (ami-0391c85a0e53b273a), Availability Zones (Any), Instance type (t2.micro), and scaling thresholds. The 'Load balancer' section shows settings like Connection draining (disabled), Health check path, and Load balancer type (classic). Both sections have an 'Edit' button.

## Load Balancer

The screenshot shows the AWS Load Balancing console. The top navigation bar includes 'Create Load Balancer' and 'Actions'. The main panel displays a table of Load Balancers. The selected Load Balancer is 'awseb-e-f-AWSEBLoa-1TM...'. The 'Monitoring' tab is active, showing 'CloudWatch alarms: No alarms configured'. Below this, there are eight line graphs showing metrics over the last hour (05:00 to 05:30):

- Unhealthy Hosts Count:** The graph shows a constant value of 0.
- Healthy Hosts Count:** The graph shows a constant value of 1.
- Average Latency Milliseconds:** The graph shows a constant value of approximately 2.5.
- Requests Count:** The graph shows a constant value of approximately 1.
- HTTP 5XXs Count:** The graph shows a constant value of 0.
- ELB 5XXs Count:** The graph shows a constant value of 0.
- HTTP 4XXs Count:** The graph shows a constant value of 0.
- Backend Connection Errors Count:** The graph shows a constant value of 0.

# Auto Scaling group

The screenshot displays the AWS Management Console interface for an Amazon EC2 Auto Scaling Group. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and a user profile 'Swati Narkhede' in 'N. Virginia'. A notification banner at the top states: 'Try the new design for Amazon EC2 Auto Scaling. This older console is being replaced with the new EC2 Auto Scaling console. No new features or improvements will be made in this older console. Go to the new console.'

The main content area shows the 'Auto Scaling Group: awseb-e-fdhykpz4pu-stack-AWSEBAutoScalingGroup-1DS9MNX2TBWHX'. The 'Details' tab is selected, displaying the following configuration:

- Launch Configuration:** awseb-e-fdhykpz4pu-stack-AWSEBAutoScalingLaunchConfiguration-WMX42K7RUQ9
- Availability Zone(s):** us-east-1a, us-east-1c, us-east-1d
- Subnet(s):** (Not specified)
- Classic Load Balancers:** awseb-e-f-AWSEBLoadBalancer-1TM7F6GFVXO6L
- Target Groups:** (Not specified)
- Health Check Type:** EC2
- Health Check Grace Period:** 0
- Instance Protection:** (Not specified)
- Termination Policies:** Default
- Desired Capacity:** 1
- Min:** 1
- Max:** 2

## Details of the AWS EC2 instance hosting the application.

The screenshot displays the AWS Management Console interface for an Amazon EC2 instance. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and a user profile 'Swati Narkhede' in 'N. Virginia'. A notification banner at the top states: 'New EC2 Experience. Tell us what you think.'

The main content area shows the 'Instance: i-0f74201bbc288bd10 (CarrentalBe-env)'. The 'Description' tab is selected, displaying the following configuration:

- Instance ID:** i-0f74201bbc288bd10
- Instance state:** running
- Instance type:** t2.micro
- Availability zone:** us-east-1c
- Public DNS (IPv4):** ec2-3-95-6-45.compute-1.amazonaws.com
- Private DNS:** ip-172-31-88-34.ec2.internal
- Private IPs:** 172.31.88.34
- Secondary private IPs:** (None)
- VPC ID:** vpc-20e3e95a
- Subnet ID:** subnet-43d31762
- Network interfaces:** eth0
- IAM role:** aws-elasticbeanstalk-ec2-role
- Key pair name:** (None)
- AMI ID:** aws-elasticbeanstalk-ami-20200430-64bit-eb-nodes12-amazon-linux-2-hvm-2020-05-05T21:11 (ami-0391c85a0e53b273a)
- Platform details:** Linux/UNIX
- Usage operation:** RunInstances
- Source/dest. check:** True
- T2/T3 Unlimited:** Disabled

# Car Rental Application deployed on AWS.

Carrentalbe-env - Dashboard x Car Rental Application x Instances | EC2 Management Console x Load Balancers | EC2 Management Console x EC2 Management Console x

Not secure | carrentalbe-env.eba-eae5dxv.us-east-1.elasticbeanstalk.com/login

Car Rental System LOGIN

## Car Rental Application

Username

Password