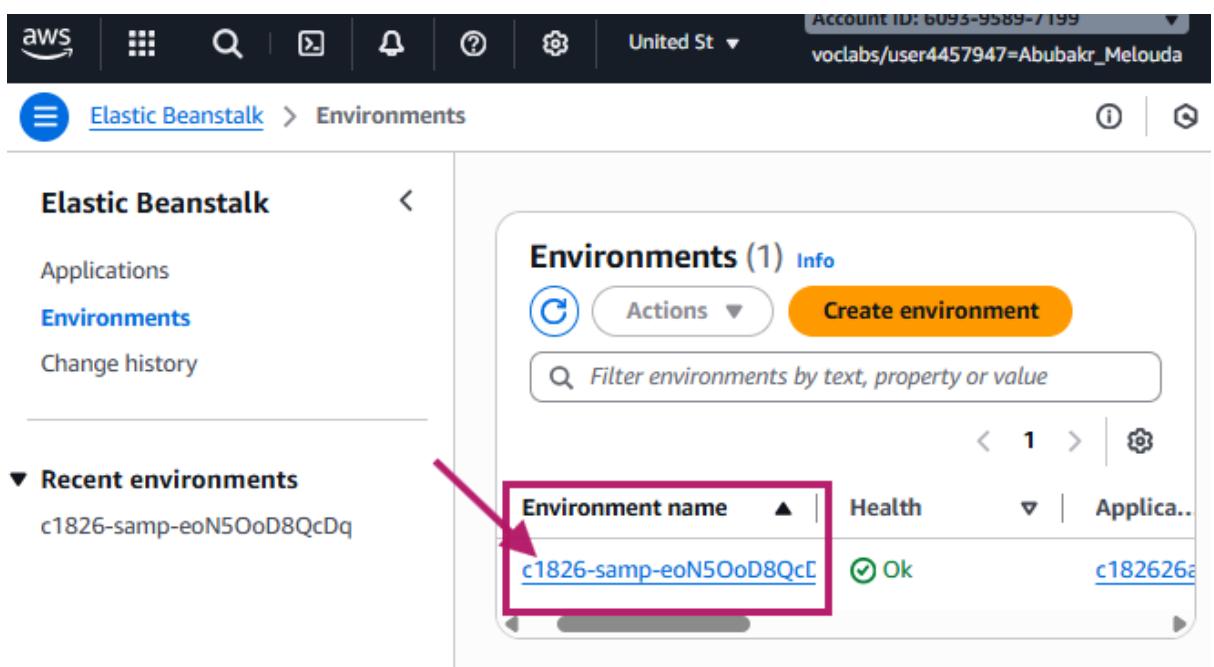
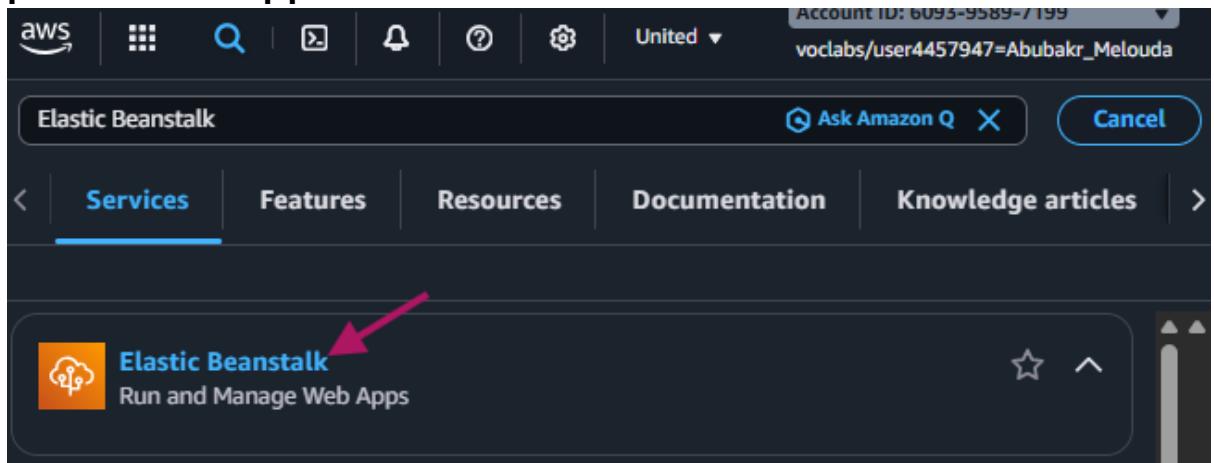


## (Module 6 Lab Activity - AWS Elastic Beanstalk)

- Screenshot Elastic Beanstalk environment overview showing pre-created application"



- Screenshot Elastic Beanstalk environment dashboard showing healthy status

The screenshot shows the AWS Elastic Beanstalk Environment Overview page. The environment ID is c1826-samp-eoN5OoD8QcDq. The Health status is shown as 'Ok'. The Application ID is c182626a4702684l13360266t1w609395897199-sampleApplication-EUIF8WEMZDAH. The Environment ID is e-mv2zmmf9rw. The Domain is c1826-samp-eoN5OoD8QcDq.eba-9b2nkgq5.us-east-1.elasticbeanstalk.com. The Application name is c182626a4702684l13360266t1w609395897199-sampleApplication-EUIF8WEMZDAH.

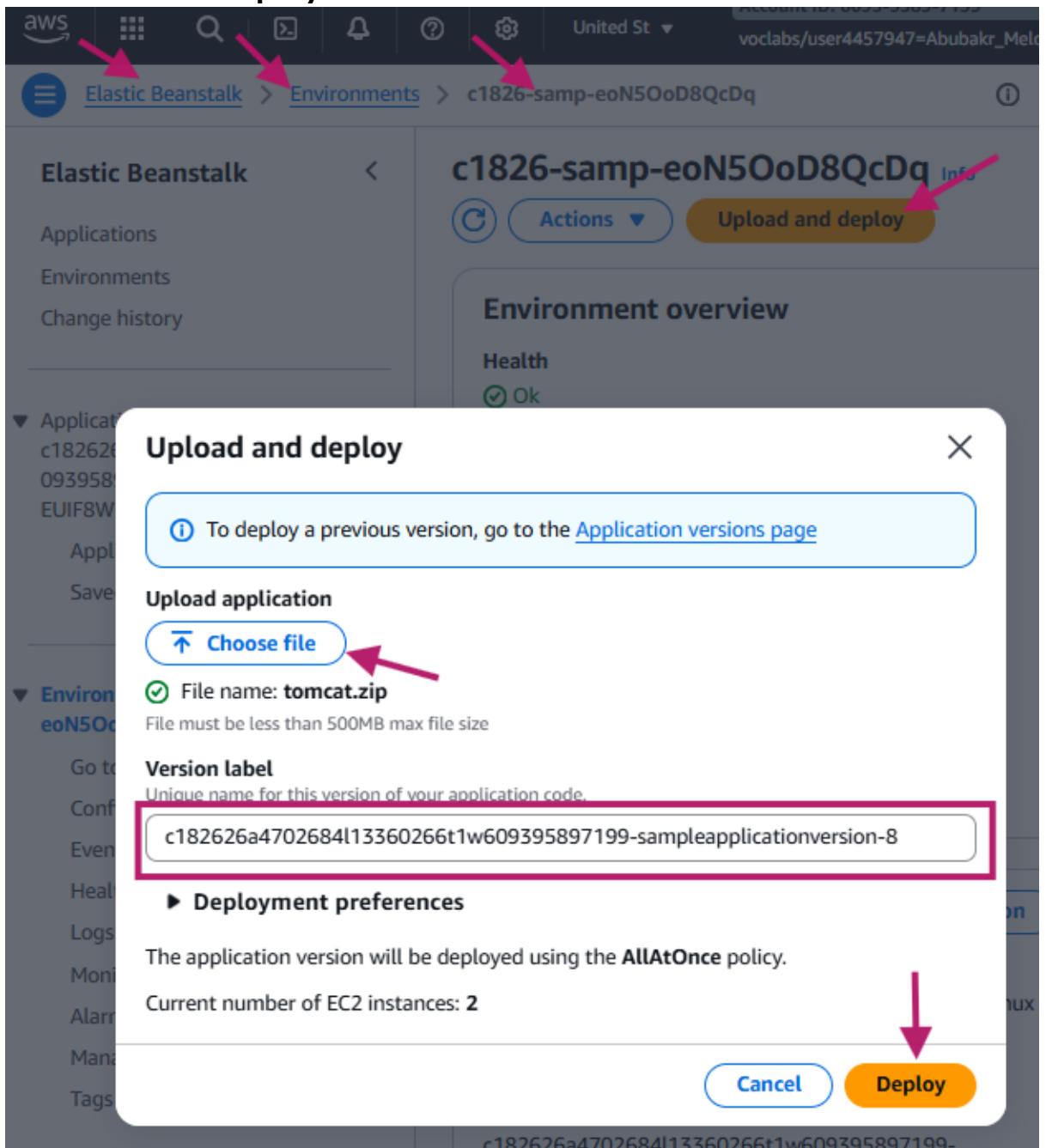
- **Screenshot expected 404 error before application deployment - environment ready but empty**

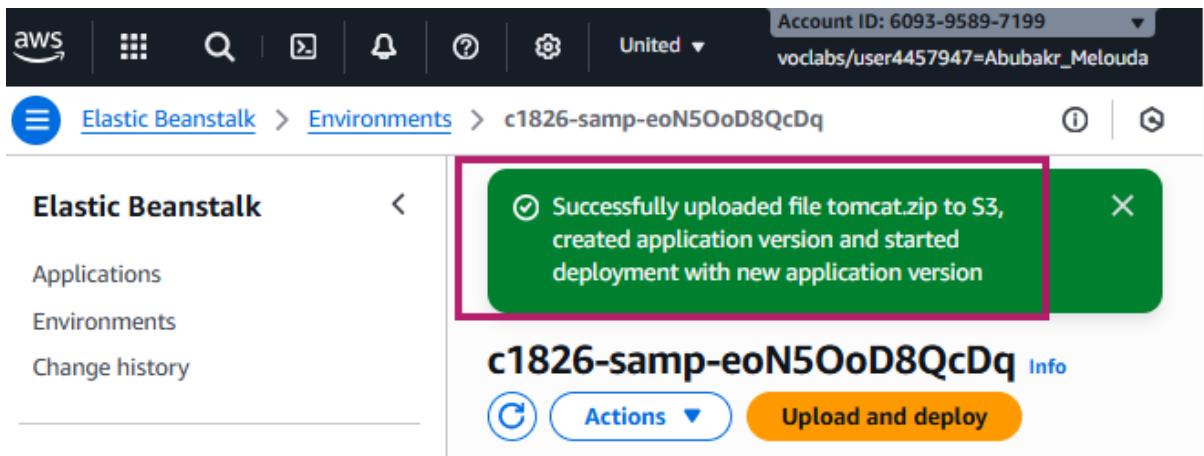
A screenshot of a web browser window showing an 'HTTP Status 404 – Not Found' error. The URL in the address bar is c1826-samp-eon5ood8qcdq.eba-9b2nkgq5.us-east-1.elasticbeanstalk.com. The browser interface includes standard navigation buttons and a status bar indicating 'Not secure'.

- **Screenshot sample Tomcat application downloaded for Elastic Beanstalk deployment**

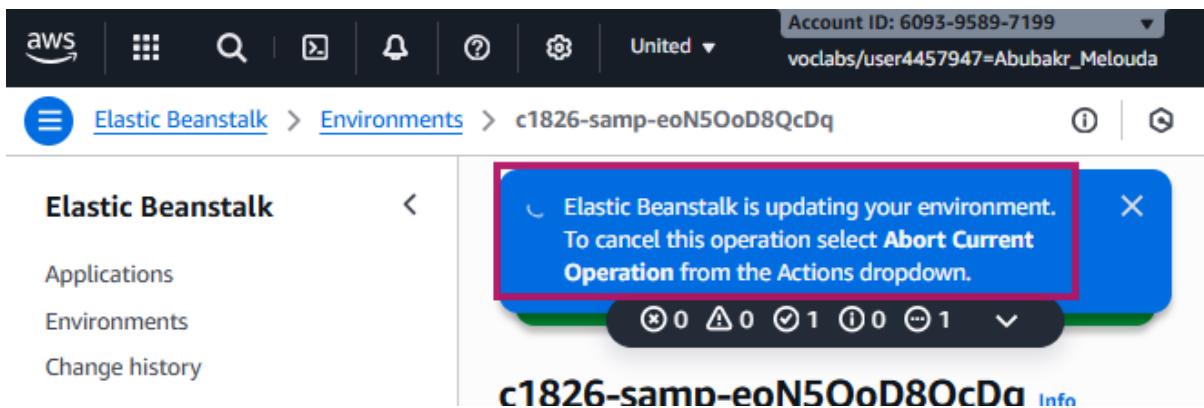
A screenshot of a file explorer window showing a folder named 'tomcat.zip' in the 'Today' folder. The file explorer interface includes a ribbon with various icons and a sidebar with navigation links like Home, Gallery, and OneDrive.

- **Screenshot uploading Tomcat application to Elastic Beanstalk for deployment**





- **Screenshot Elastic Beanstalk deploying application - shows version update progress**



- **Screenshot Tomcat application successfully deployed and running on Elastic Beanstalk**

aws | ⋮ | 🔍 | ⌛ | 🔔 | ⓘ | ⚙️ | United | Account ID: 6093-9589-7199  
voclabs/user4457947=Abubakr\_Melouda

Elastic Beanstalk > Environments > c1826-samp-eoN5OoD8QcDq

Elastic Beanstalk

- Applications
- Environments
- Change history

Application:  
c182626a4702684l13360266t1w6  
09395897199-sampleApplication-EUIF8WEMZDAH

- Application versions
- Saved configurations

Environment: c1826-samp-eoN5OoD8QcDq

- Go to environment ↗
- Configuration

Environment update successfully completed.

Platform

Platform: Tomcat 9 with Corretto 11 running on 64bit Amazon Linux 2023/5.9.1

Running version: c182626a4702684l13360266t1w609395897199-sampleapplicationversion-8

Platform state: Supported

Events Health Logs Monitor >

- Screenshot Elastic Beanstalk configuration showing auto-scaling, security groups, and instance details

- Screenshot Elastic Beanstalk database configuration options
    - shows easy RDS integration

The screenshot shows the AWS Elastic Beanstalk Configuration page for an environment named 'c1826-samp-eoN5OoD8QcDq'. The top navigation bar includes the AWS logo, search, notifications, and account information ('Account ID: 6093-9589-7199' and 'voclabs/user4457947=Abubakr\_Melouda'). The breadcrumb trail shows the path: Elastic Beanstalk > Environments > c1826-samp-eoN5OoD8QcDq > Configuration.

## Configure networking and database Info

### Instance settings

Choose a subnet in each AZ for the instances that run your application. To avoid exposing your instances to the Internet, run your instances in private subnets and load balancer in public subnets. To run your load balancer and instances in the same public subnets, assign public IP addresses to the instances. [Learn more ↗](#)

#### VPC

Launch your environment in a custom VPC instead of the default VPC. You can create a VPC and subnets in the VPC management console. [Learn more ↗](#)

Create VPC [↗](#)

#### Public IP address

Assign a public IP address to the Amazon EC2 instances in your environment.

Enable

### Instance subnets

	Availability Zone	Subnet	CIDR	Name
No instance subnets No instance subnets to display				

### Database Info

Integrate an RDS SQL database with your environment. [Learn more ↗](#)

Enable database

Cancel Continue Apply

- Screenshot Elastic Beanstalk monitoring dashboard showing application metrics

The screenshot shows the AWS Elastic Beanstalk service metrics monitoring interface. At the top, there's a navigation bar with the AWS logo, search bar, and account information (Account ID: 6093-9589-7199, voclabs/user4457947=Abubakr\_Mel). Below the navigation is a breadcrumb trail: Elastic Beanstalk > Environments > c1826-samp-eoN5OoD8QcDq. On the left, a sidebar menu for the application 'c1826-samp-eoN5OoD8QcDq' is visible, showing sections for Applications, Environments, Change history, Application:, Environment:, and Recent environments. The 'Monitoring' section is currently selected. The main content area is titled 'Platform' and shows details about the Tomcat 9 environment running on 64bit Amazon Linux 2023/5.9.1. It displays the 'Running version' (c182626a4702684l13360266t1w6093958 97199-sampleapplicationversion-8) and the 'Platform state' (Supported). Below this, tabs for Health, Logs, Monitoring (selected), Alarms, and Managed updates are present. The 'Service metrics' section contains four cards: 'Environment health' (0), 'CPU utilization' (0.54 %), 'Network in' (24.6 kB), and 'Network out' (38.4 kB). The 'CPU utilization' and 'Network in' cards are highlighted with a pink border.

- Screenshot EC2 instances automatically created by Elastic Beanstalk for the application

The screenshot shows the AWS EC2 Instances page. On the left sidebar, under the 'Instances' section, the 'Instances' link is highlighted with a red arrow. The main table displays two instances:

Name	Instance ID	Instance state	Instance type
c1826-samp-eoN5OoD8QcDq	i-01eea79af94da4789	Running	t3.micro
c1826-samp-eoN5OoD8QcDq	i-0dbf1c3b991fe9d14	Running	t3.micro

- Screenshot security group automatically configured by Elastic Beanstalk allowing HTTP traffic

The screenshot shows the AWS Security Groups page. On the left sidebar, under the 'Network & Security' section, the 'Security Groups' link is selected. The main table lists several security groups, with the first one, 'c1826-samp-eoN5OoD8QcDq', highlighted with a red box. Below the table, the details for this specific security group are shown, with the 'Inbound rules' tab selected.

**Inbound rules (1)**

Type	Protocol	Port range	Source
HTTP	TCP	80	sg-03980550a208e843d

- Screenshot Elastic Load Balancer automatically created by Elastic Beanstalk for traffic distribution

The screenshot shows the AWS EC2 Load Balancers page. The left sidebar navigation includes: EC2 (selected), Dashboard, EC2 Global View, Events, Instances (with sub-options: Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations, Capacity Manager), 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). A red arrow points to the 'Load Balancers' link under 'Load Balancing'. The main content area displays the 'Load balancers (1/1) What's new?' section. It features a search bar, an 'Actions' dropdown, and a 'Create load balancer' button. Below this is a note about scaling capacity automatically. A table lists one load balancer entry:

<input checked="" type="checkbox"/>	Name	State	Type	Scheme
<input checked="" type="checkbox"/>	awseb-e-m-AWSEBLoa-NN009632T9SK	-	classic	-

The details for the selected load balancer are shown in the 'Load balancer: awseb-e-m-AWSEBLoa-NN009632T9SK' section. The 'Details' tab is active, showing the following information:

- Load balancer type:** Classic
- Status:** 2 of 2 instances in service
- Scheme:** Internet-facing
- Hosted zone:** Z355XDOTRQ7X7K
- VPC:** vpc-09166d8076c71a7a3
- Date created:** January 1, 2026, 23:52 (UTC+00:00)
- Availability Zones:**
  - subnet-0954b2d76a9708dc0 us-east-1c (use1-az4)
  - subnet-07edf42303c784c69 us-east-1a (use1-az1)
  - subnet-0326ed0ae5a4dce46 us-east-1b (use1-az2)
- DNS name Info:** awseb-e-m-AWSEBLoa-NN009632T9SK-1268619794.us-east-1.elb.amazonaws.com (A Record)

- Screenshot auto scaling group managing instance count based on load (2-6 instances)

# Abubakr Melouda

The screenshot shows the AWS EC2 Auto Scaling groups page. On the left, there's a sidebar with navigation links for Dashboard, EC2 Global View, Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations, Capacity Manager, Images, AMIs, AMI Catalog, Elastic Block Store, Volumes, Snapshots, Lifecycle Manager, Network & Security, Security Groups, and Elastic IP's. The main content area has a header 'Auto Scaling groups (1/1) Info' with a search bar and buttons for Launch configurations, Launch templates, Actions, and Create Auto Scaling group. Below this is a table with one row, highlighted with a pink border. The table columns include Name (awseb-e-mv2zmmf9rw-stack-AWSEBAutoScalingGroup-RkxzrjeMYyC8), Launch template/configuration (AWSEBEC2LaunchTemplate\_4CxSLqmb), Instances (2), Status (-), Desired capacity (2), Min (2), Max (6), and Availability Zones (3). At the bottom, there's a 'Capacity overview' section with tabs for Details, Integrations, Automatic scaling, Instance management, Instance refresh, Activity, Monitoring, and Tags - moved. The 'Automatic scaling' tab is selected. It shows 'Desired capacity' (2), 'Scaling limits' (2 - 6), 'Desired capacity type' (Units (number of instances)), and 'Status' (-). A blue 'Edit' button is located at the top right of this section.