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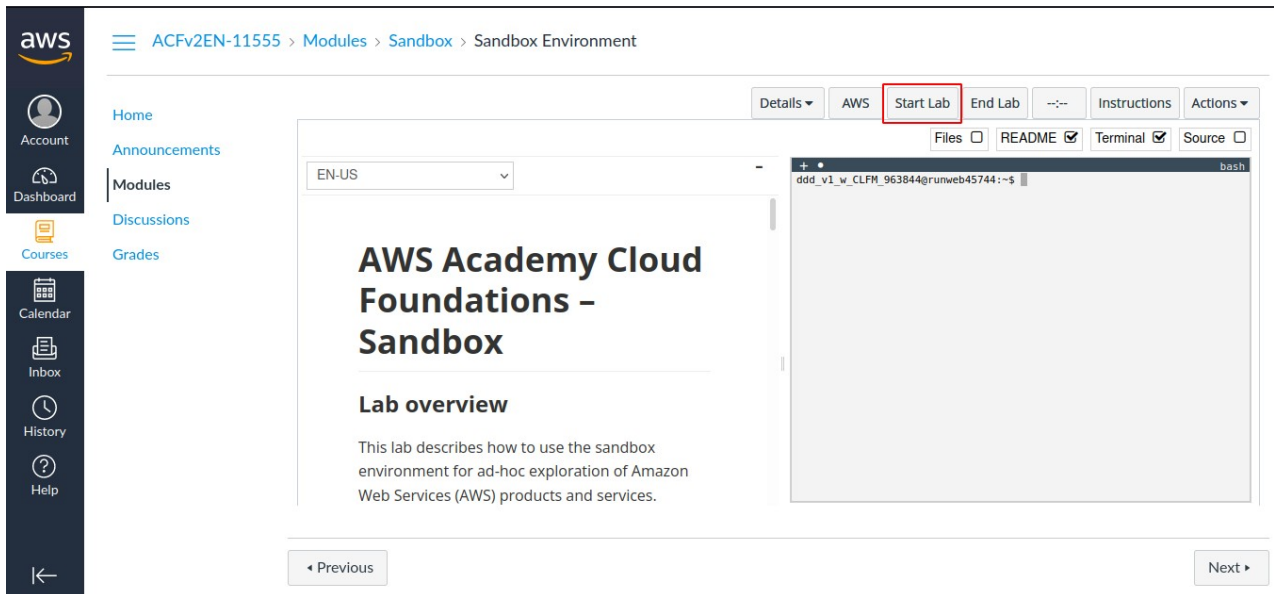
## Cloud Computing

### Practical Assignment No. 8 - *Working and Implementation of Platform as a service*

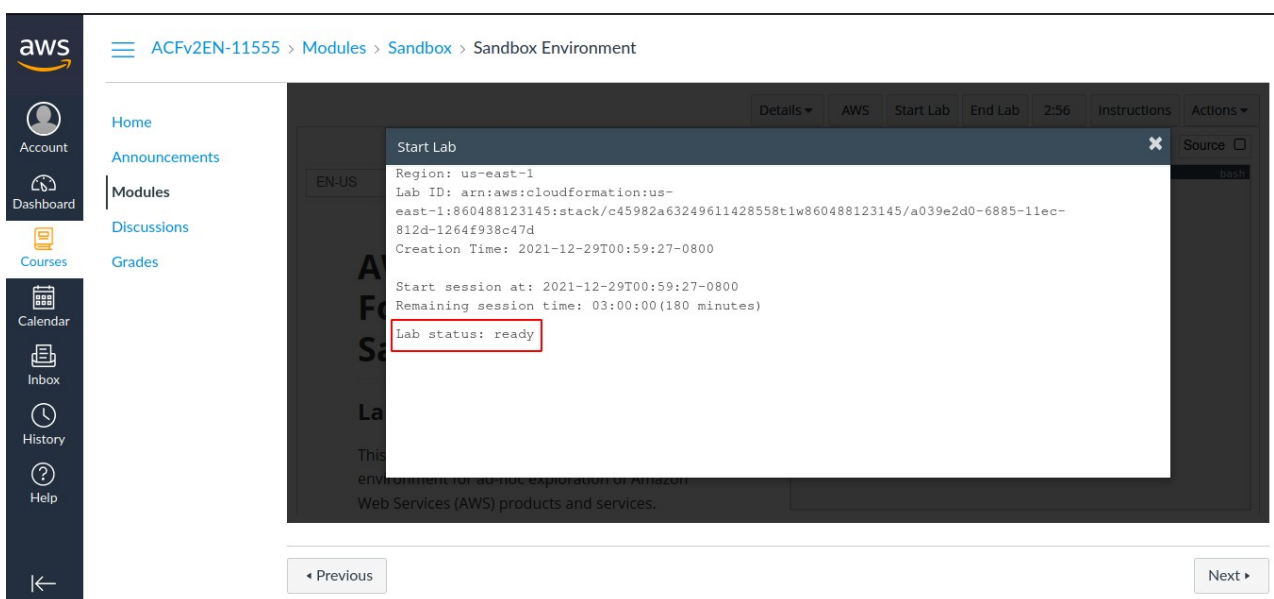
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AWS Elastic Beanstalk: Use this tool to upload sample code for web apps.

Step 1: At the top right panel above the console, choose **Start Lab** to launch your lab.

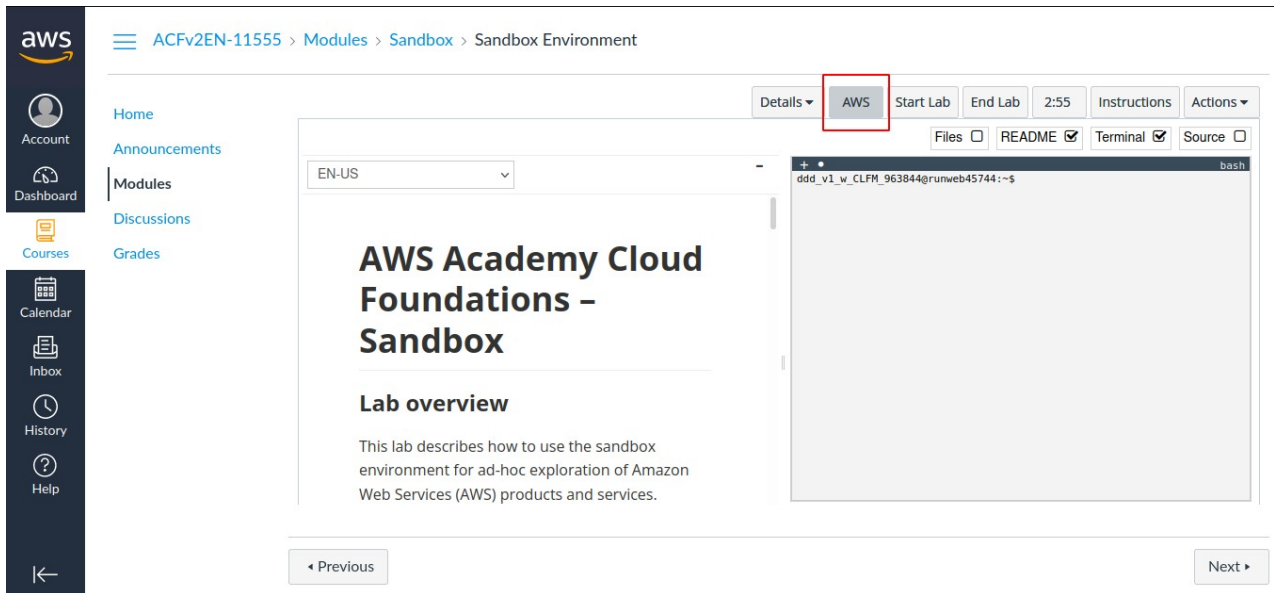


Step 2: Wait until you see the message "**Lab status: ready**", then choose the **X** to close the Start Lab panel.

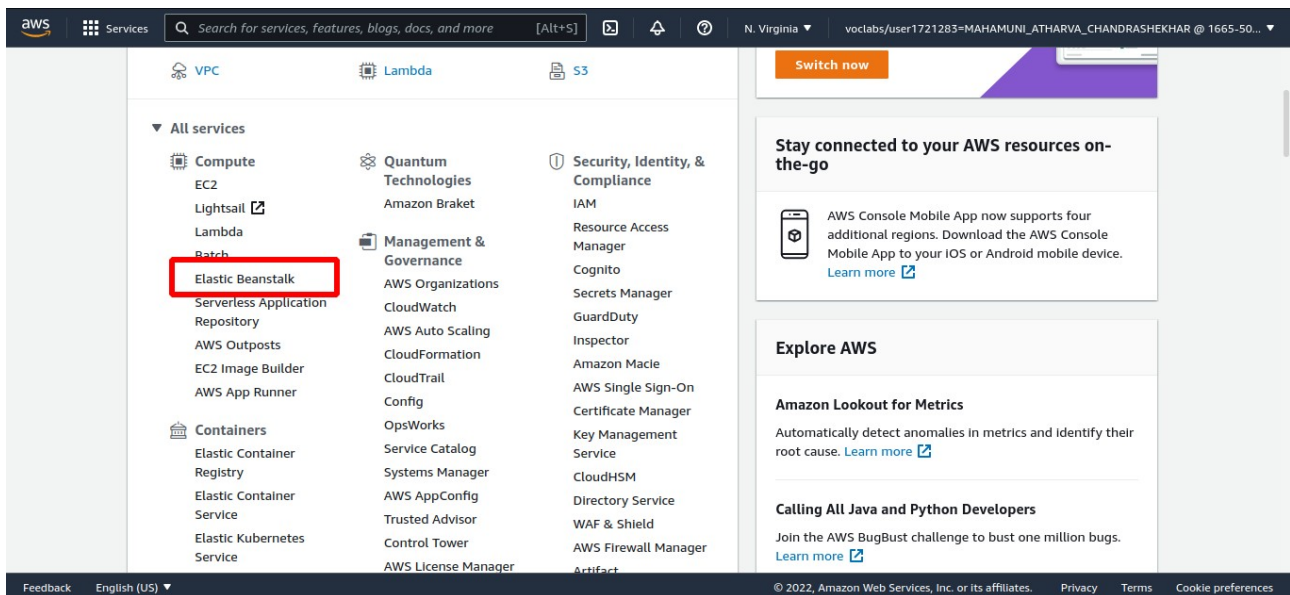


Step 3: Now choose AWS

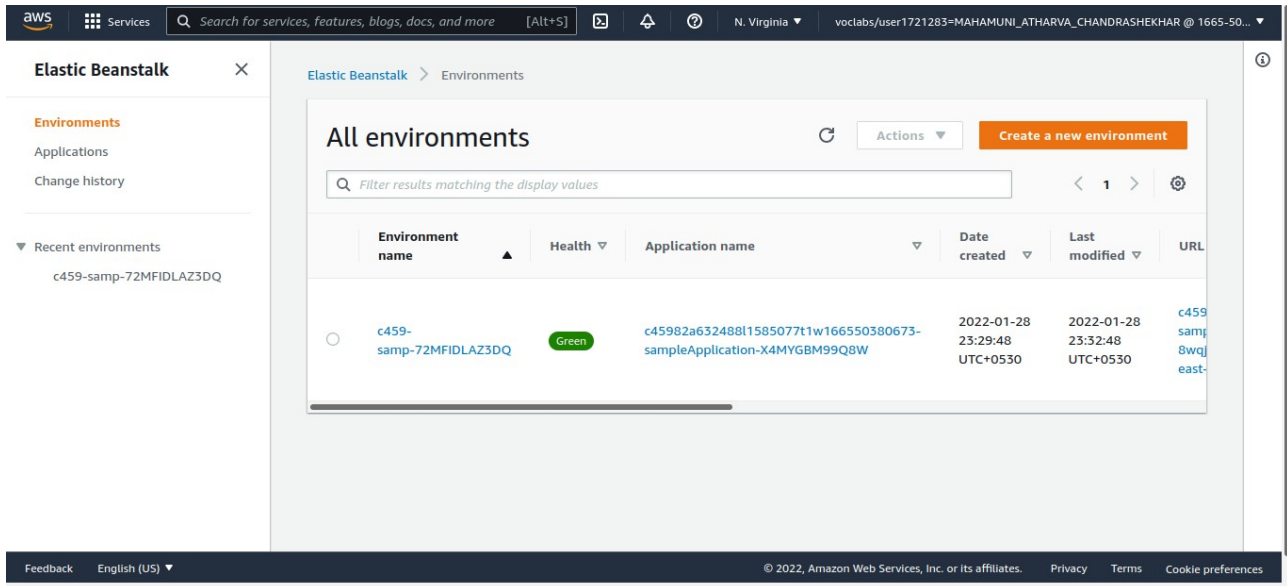
This will open the AWS Management Console in a new browser tab. The system will automatically log you in.



Step 4: In the **AWS Management Console** on the **Services** menu, choose **Elastic Beanstalk**..

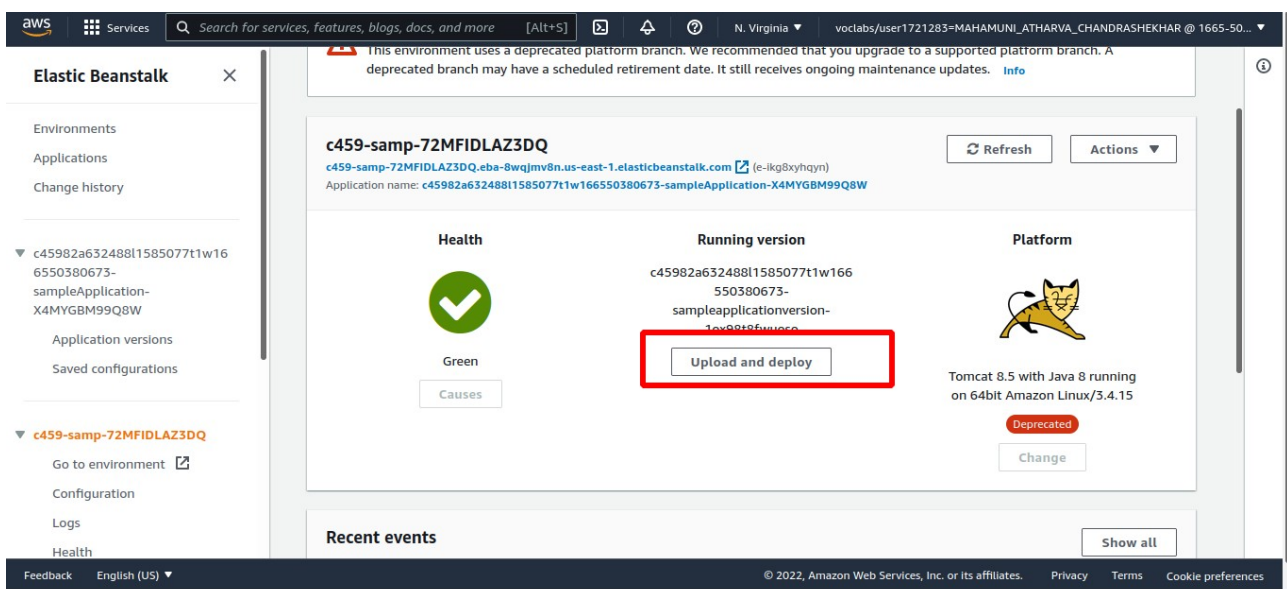


Step 5: Under the **Environment name** column, choose on the name of the environment.



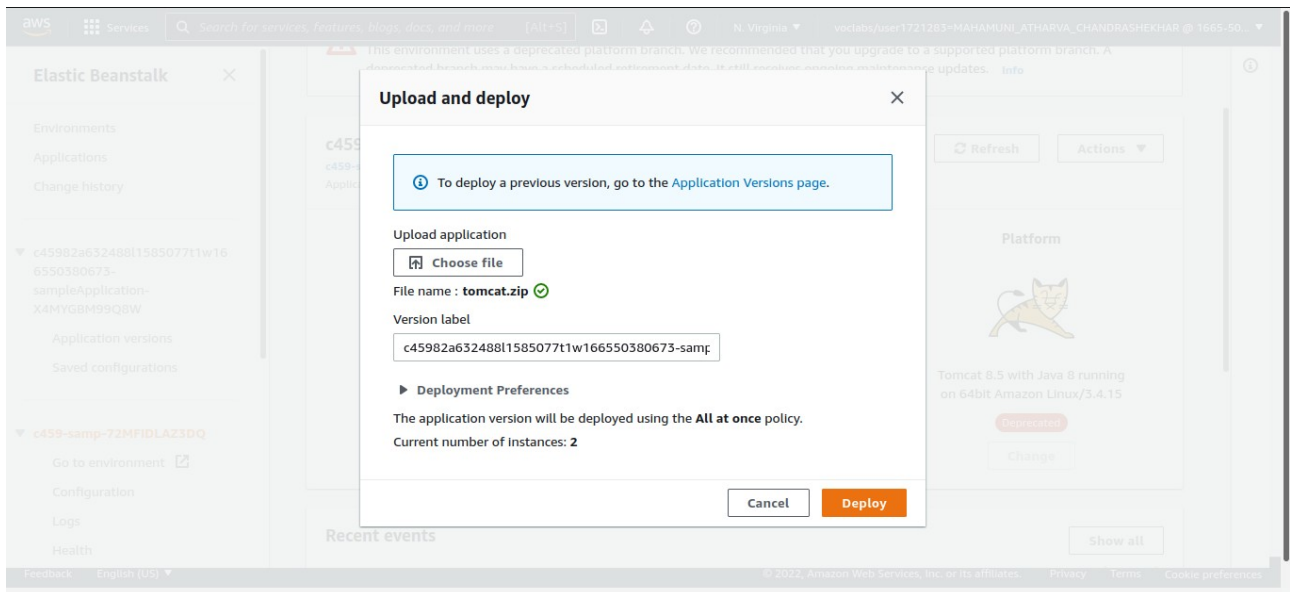
The screenshot shows the AWS Elastic Beanstalk console. On the left, there's a sidebar with 'Environments' selected. The main area is titled 'All environments'. It features a search bar and a table of environments. The table has columns: Environment name, Health, Application name, Date created, Last modified, and URL. One environment is listed: 'c459-samp-72MFIDLAZ3DQ' with a 'Green' health status. A red box highlights the environment name 'c459-samp-72MFIDLAZ3DQ'.

Step 6: Deploy a sample application to Elastic Beanstalk.  
In the Elastic Beanstalk Dashboard, choose **Upload and Deploy**.



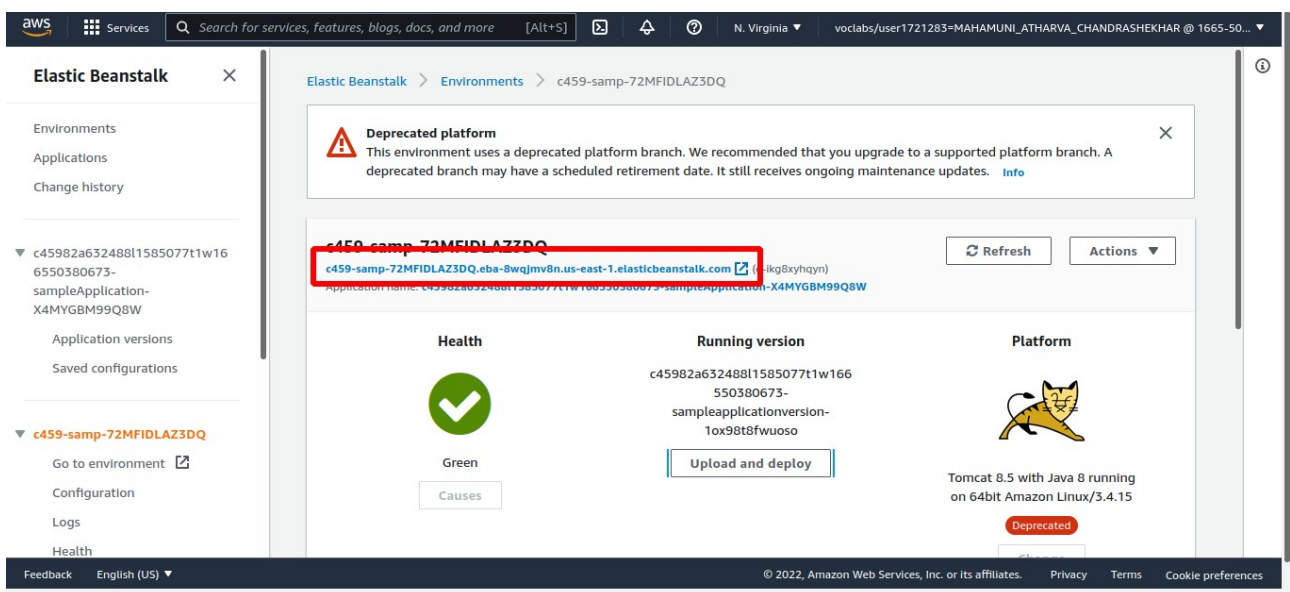
The screenshot shows the details of an Elastic Beanstalk environment. The 'Health' section shows a green checkmark and 'Green' status. The 'Running version' section shows the application name 'c45982a63248811585077t1w166550380673-sampleApplication-X4MYGBM99Q8W' and a red box highlights the 'Upload and deploy' button. The 'Platform' section shows 'Tomcat 8.5 with Java 8 running on 64bit Amazon Linux/3.4.15' and a 'Deprecated' status. A red box highlights the 'Upload and deploy' button in the 'Running version' section.

Step 7: Choose **Browse or Choose File**, then navigate to and open the **tomcat.zip** file that you just downloaded.



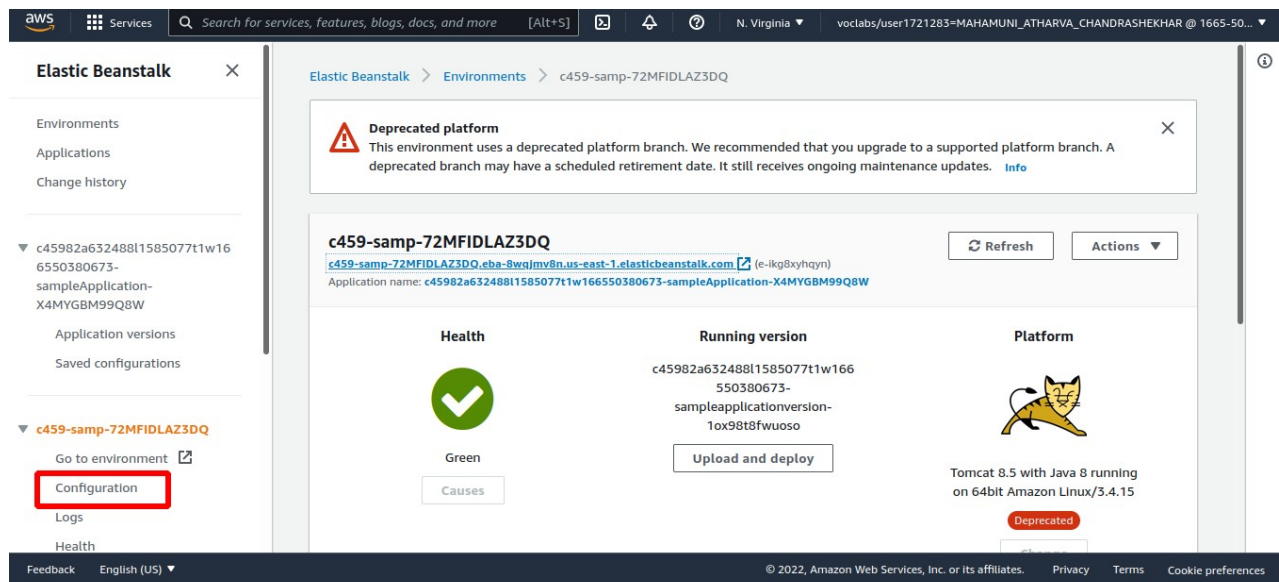
Choose **Deploy**.

Step 8: After the deployment is complete, choose the **URL** value near the top of the screen

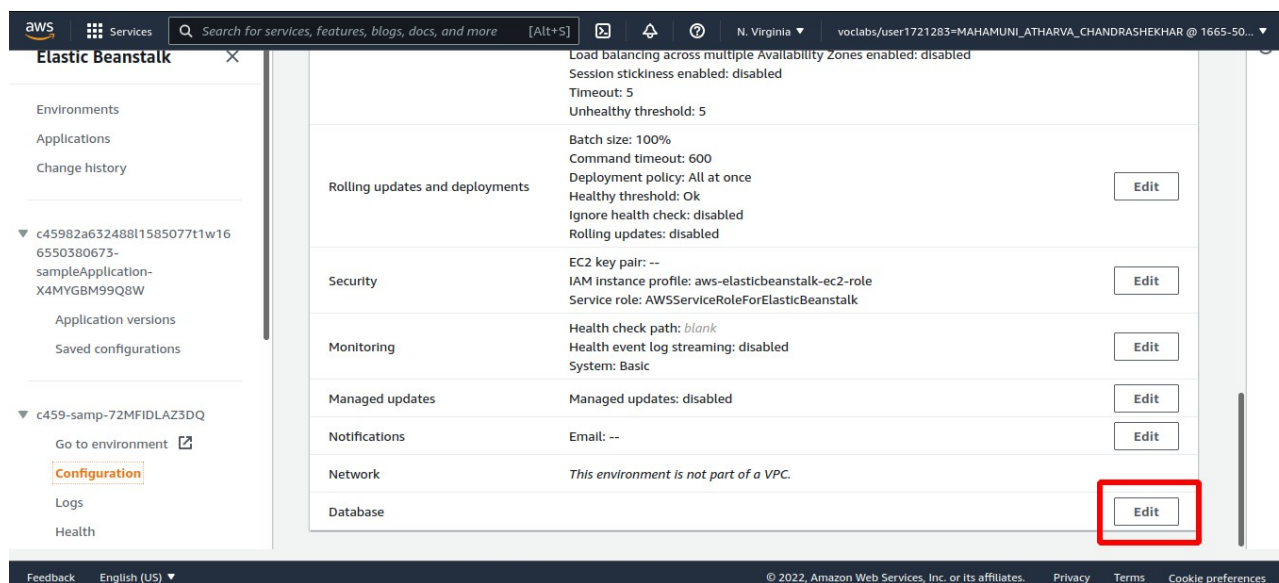


The web application that you deployed displays.

Step 9: In Elastic Beanstalk console, choose **Configuration** in the left pane.



Step 10: Scroll to the bottom of the page to the **Database** row. In the **Database** row, choose **Edit**.



Step 11: Explore the AWS resources that support your application.

