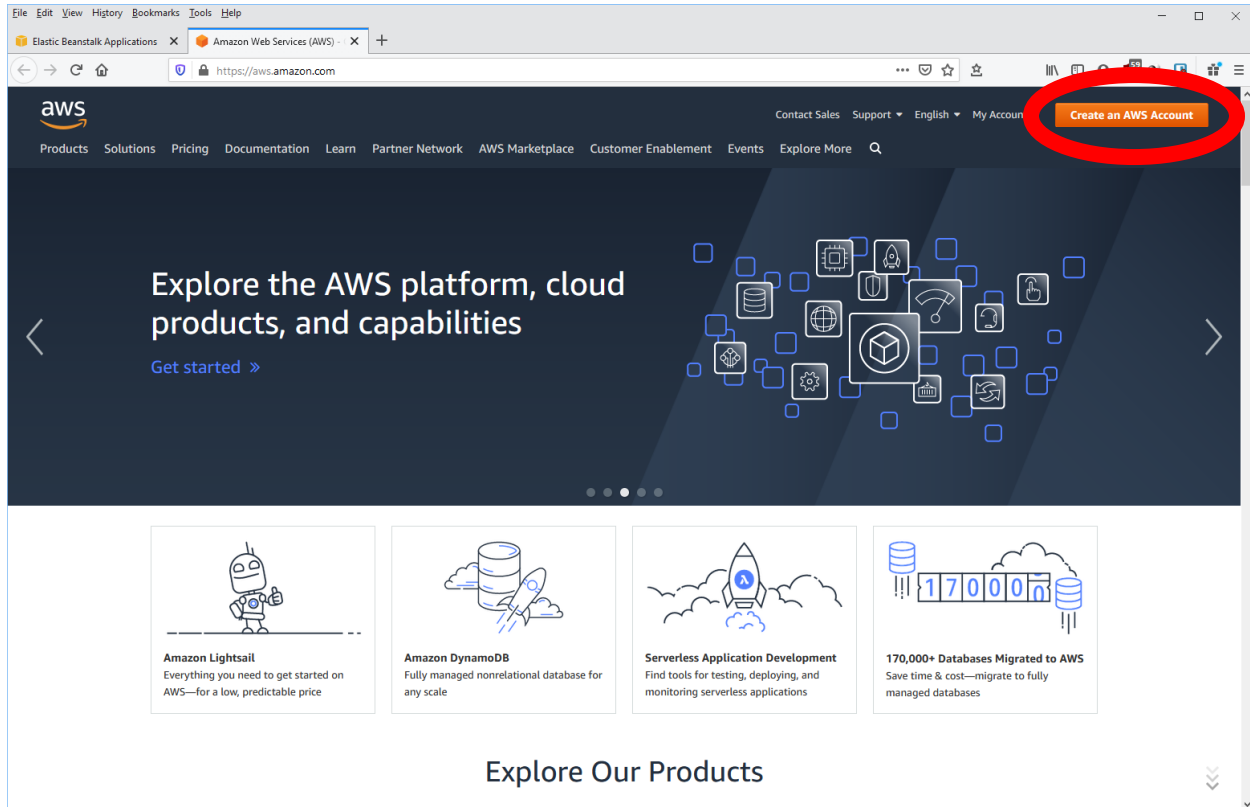


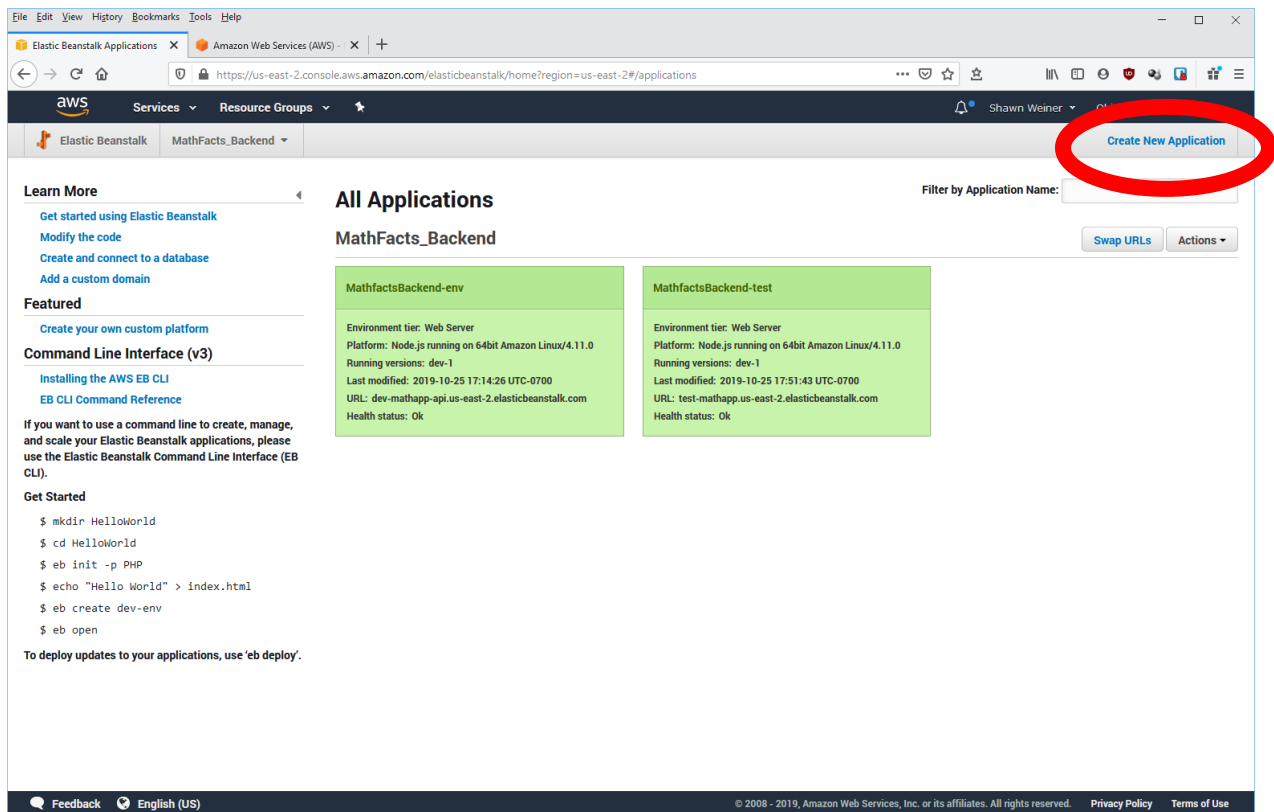
AWS Deployment Instructions

Step 1: Register for an AWS account on Amazon.com at <https://aws.amazon.com/>

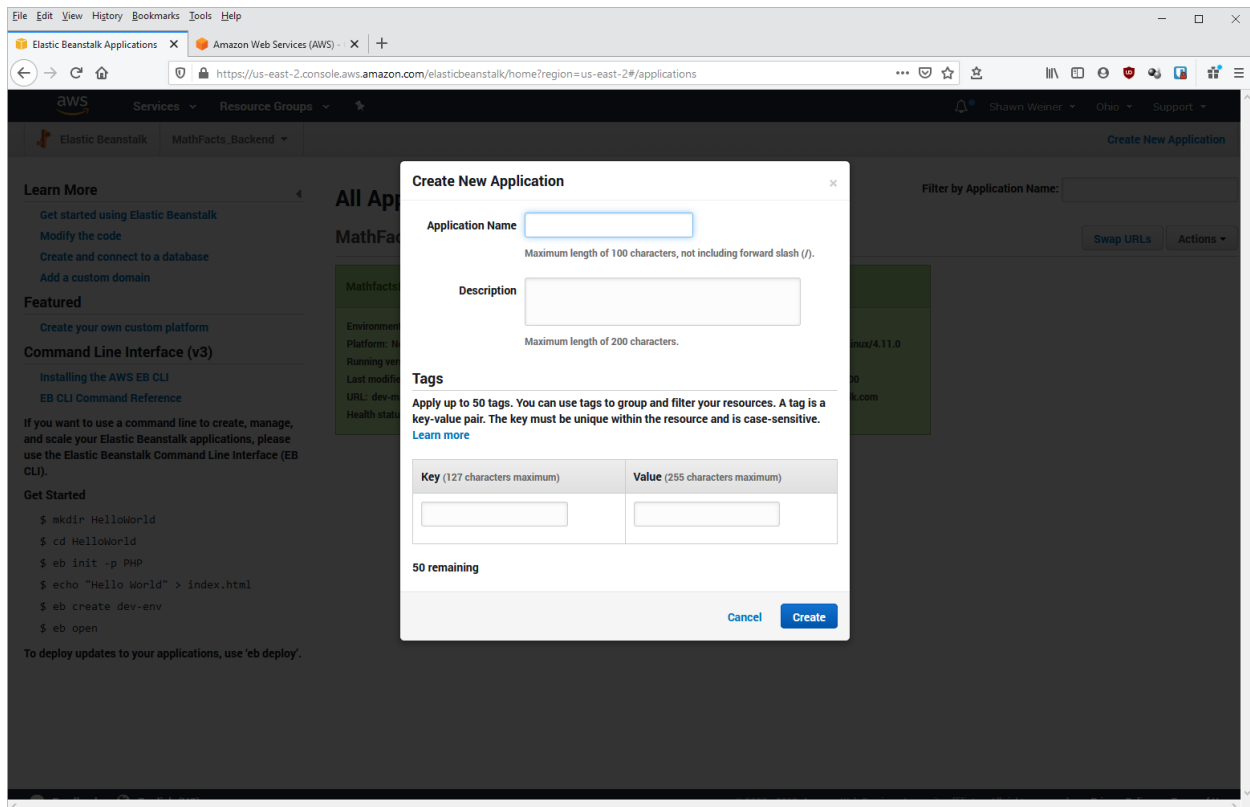


Step 2: Sign into your AWS account

Step 3: Click Create New Application

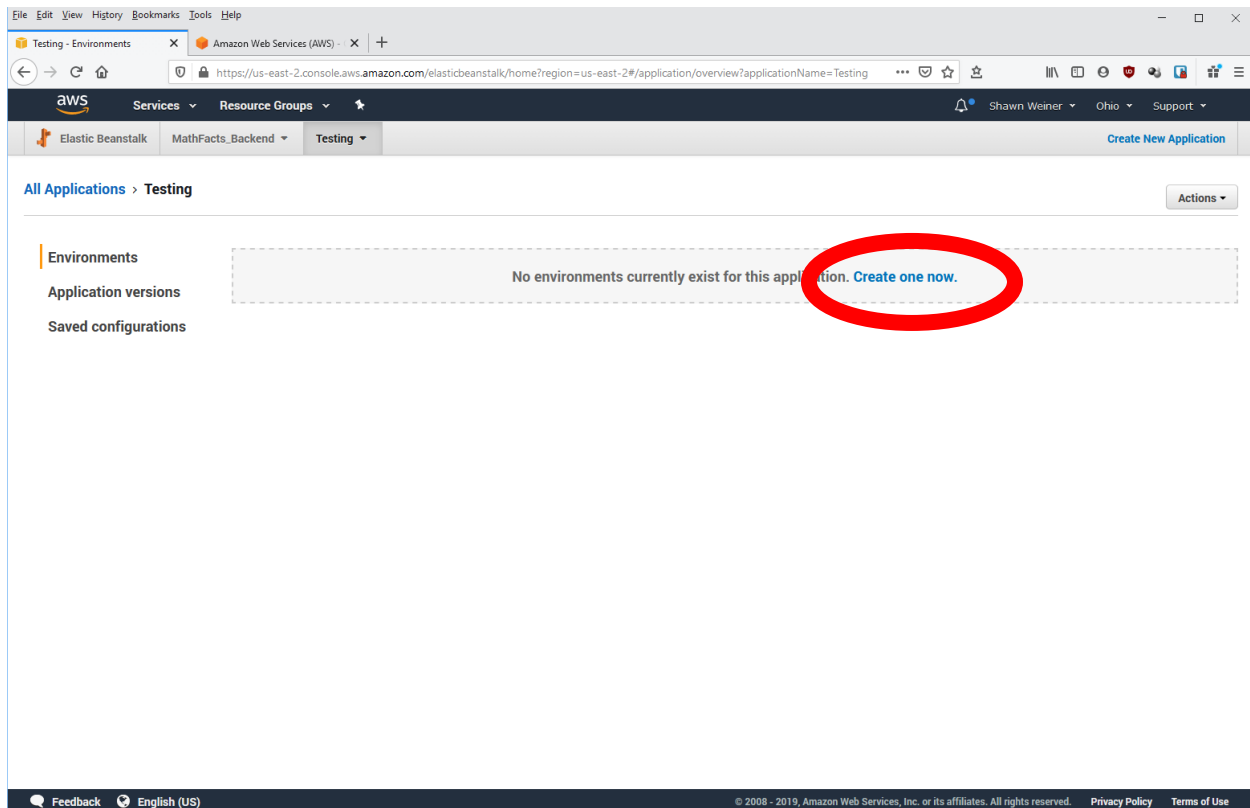


Step 4: Fill in relevant information

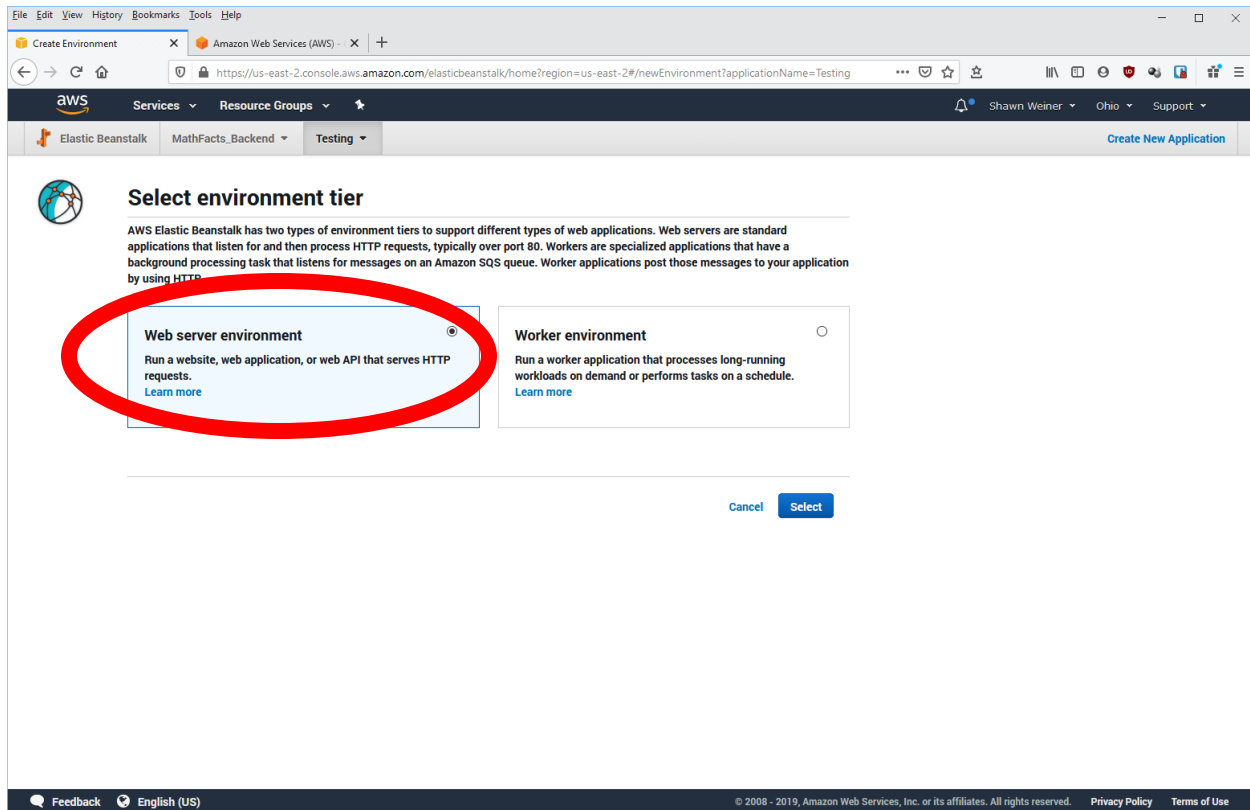


Step 5: Click on “Create One Now” to create an environment for your application

****Note:** an environment in this context is essentially a ‘server environment’ for your application




Step 6: Choose Webserver Environment



Step 7: Fill in the relevant information, click create environment, then wait for the environment to be created.

**** Note:** Domain is optional for this purpose, you can choose your own or use one generated by the AWS platform. Choose Node.js for preconfigured platform – and Upload your code

 **Create a web server environment**

Launch an environment with a sample application or your own code. By creating an environment, you allow AWS Elastic Beanstalk to manage AWS resources and permissions on your behalf. [Learn more](#)

Environment information

Choose the name, subdomain, and description for your environment. These cannot be changed later.

Application name:

Environment name:

Domain:

Description:

Base configuration

Platform: **Preconfigured platform**
 Platforms published and maintained by AWS Elastic Beanstalk.

Application code: ☒ **Sample application**
 Get started right away with sample code.

☐ **Existing version**
 Application versions that you have uploaded for Testing.

☐ **Upload your code**
 Upload a source bundle from your computer or copy one from Amazon S3.

Step 8: Once AWS is finished creating your instance click on Configuration on the left menu, then scroll down to “Database” – click modify

File Edit View History Bookmarks Tools Help

Testing-env - Configuration x Amazon Web Services (AWS) x MAT board - Agile board - JIRA x +

https://us-east-2.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-2#/environment/configuration?applicationName=Testing&environmentId=e-7kxwzcmusa

Alarms
Managed Updates
Events
Tags

| | | |
|---------------------------------|---|---------------------------------------|
| Software | Rotate logs: disabled Node command: Gzip compression: true Proxy server: nginx Node.js version: 10.16.3 Log streaming: disabled X-Ray daemon: disabled | <input type="button" value="Modify"/> |
| Instances | AMI ID: ami-03a85af99f1eecc28 Instance type: t2.micro Monitoring interval: 5 minute IOPS: container default Size: container default Root volume type: container default EC2 security groups: aws-eb-e-7kxwzcmusa-stack-AWSEBSecurityGroup-1QBVA3JXUZZ53 | <input type="button" value="Modify"/> |
| Capacity | Scaling cooldown: 360 seconds Environment type: single instance Time-based Scaling | <input type="button" value="Modify"/> |
| Load balancer | This configuration does not contain a load balancer. | |
| Rolling updates and deployments | Command timeout: 600 Deployment policy: -- Ignore health check: disabled Healthy threshold: Single instance Rolling updates: disabled | <input type="button" value="Modify"/> |
| Security | IAM instance profile: aws-elasticbeanstalk-ec2-role EC2 key pair: -- Service role: am:aws-iam::562396018087:role/aws-elasticbeanstalk-service-role | <input type="button" value="Modify"/> |
| Monitoring | Health event log streaming: disabled CloudWatch Custom Metrics-Environment: CloudWatch Custom Metrics-Instance: Ignore HTTP 4xx: disabled System: Enhanced | <input type="button" value="Modify"/> |
| Managed updates | Managed updates: disabled | <input type="button" value="Modify"/> |
| Notifications | Email: -- | |
| Network | This environment is not part of a VPC. | |
| Database | | <input type="button" value="Modify"/> |

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Step 9: Modify database allows you to create a database instance associated with your application environment.

Snapshot: None

Engine: mysql

Engine Version, Storage, Retention, Availability – leave as is.

Fill in Username/Password with something appropriate, then click Apply

Modify database

Add an Amazon RDS SQL database to your environment for development and testing. AWS Elastic Beanstalk provides connection information to your instances by setting environment properties for the database hostname, username, password, table name, and port. When you add a database to your environment, its lifecycle is tied to your environment's. For production environments, you can configure your instances to connect to a database. [Learn more](#)

Restore a snapshot

Restore an existing snapshot in your account, or create a new database.

Snapshot:

Database settings

Choose an engine and instance type for your environment's database.

Engine:

Engine version:

Instance class:

Storage: GB

Choose a number between 5 GB and 1024 GB.

Username:

Password:

Retention:

When you terminate your environment, your database instance is also terminated. Choose Create snapshot to save a snapshot of the database prior to termination. Snapshots incur standard storage charges.

Availability:

[Cancel](#) [Continue](#) [Apply](#)

Step 10: Once AWS is finished creating and deploying your chosen database instance, test your application by going to the environment URL found here:

Overview

Health: **Ok**

Running Version: **Sample Application**

Platform: **Node.js running on 64bit Amazon Linux/4.11.0**

Recent Events

| Time | Type | Details |
|------------------------------|------|---|
| 2019-10-28 12:03:18 UTC-0700 | INFO | Creating RDS database named: aasc2ty31ki3. This may take a few minutes. |
| 2019-10-28 12:03:18 UTC-0700 | INFO | Created security group named: awseb-e-7kxwzcmusa-stack-AWSEBRDSDBSecurityGroup-2ADMOCV5Q9FO |
| 2019-10-28 12:03:01 UTC-0700 | INFO | Updating environment Testing-env's configuration settings. |
| 2019-10-28 12:02:57 UTC-0700 | INFO | Environment update is starting. |
| 2019-10-28 11:56:17 UTC-0700 | INFO | Environment health has transitioned from Pending to Ok. Initialization completed 16 seconds ago and took 2 minutes. |