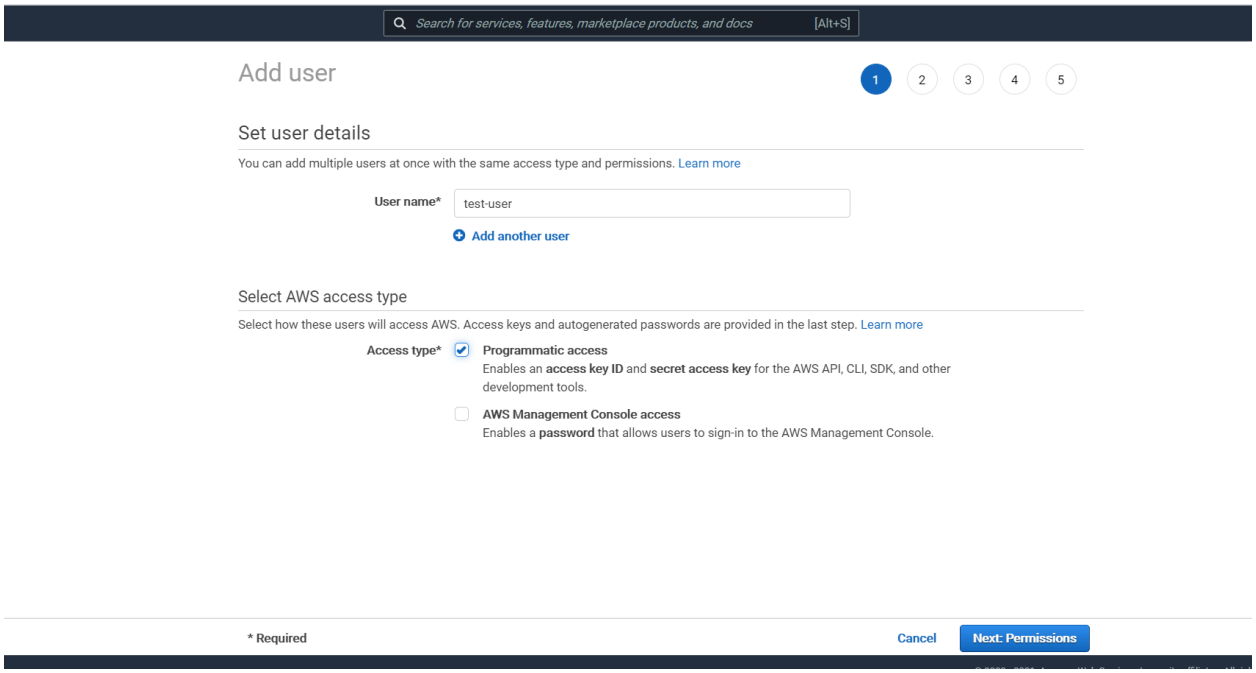
Deployment 4

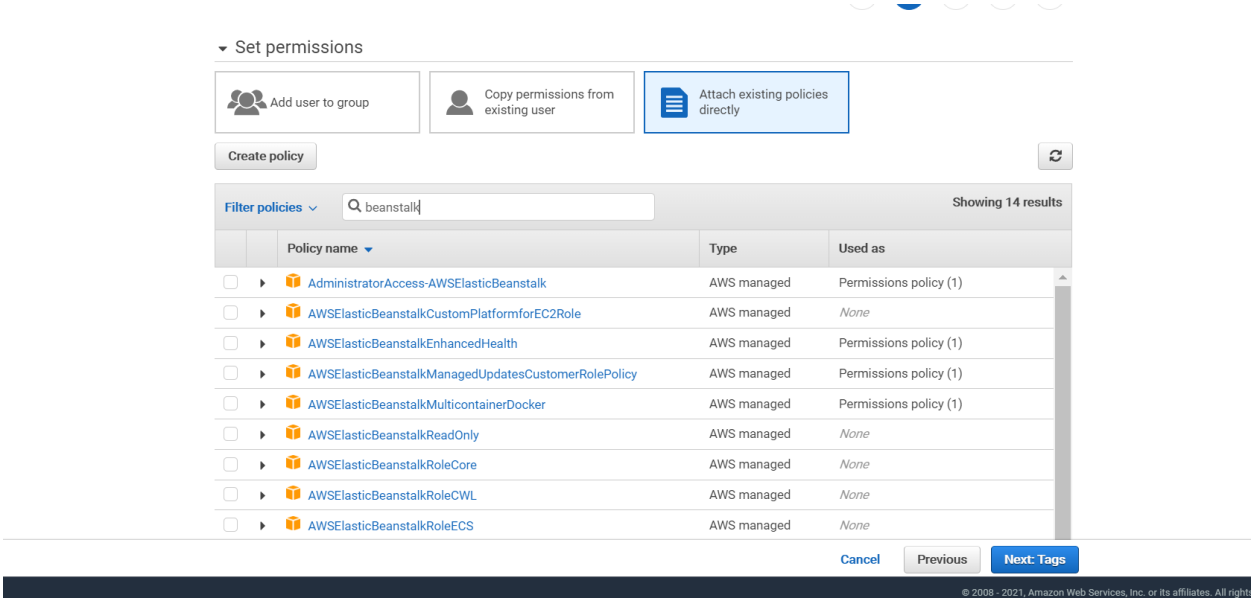
Instructions:

Step 1: Create an IAM user called “Jenkins-user”. Give the “Jenkins-user” Administrator ElasticBeanStalk access. Once you added your permission policy, you will need to copy and paste the Jenkins-user Access key and Secret key in a text document for later use:

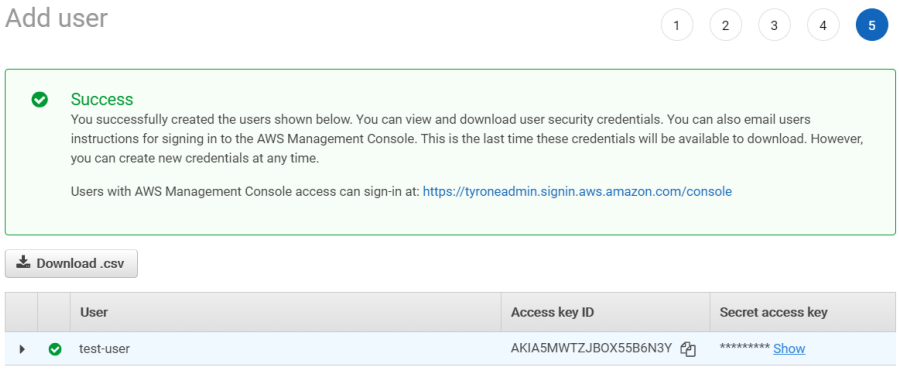
- Create Jenkins-user



- Select the Administrator Access AWSEB

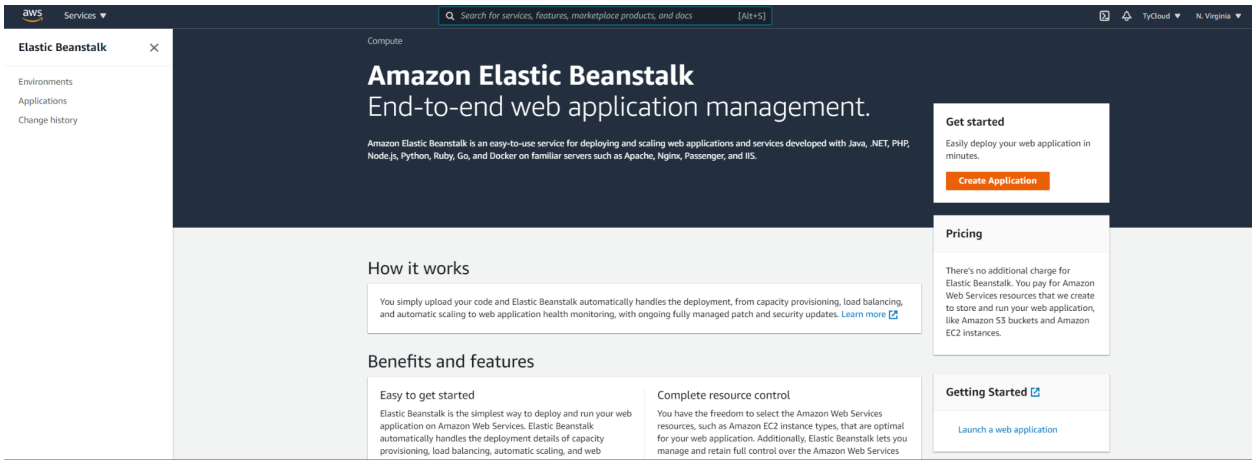


- Below is where you'll copy the access key and secret access key

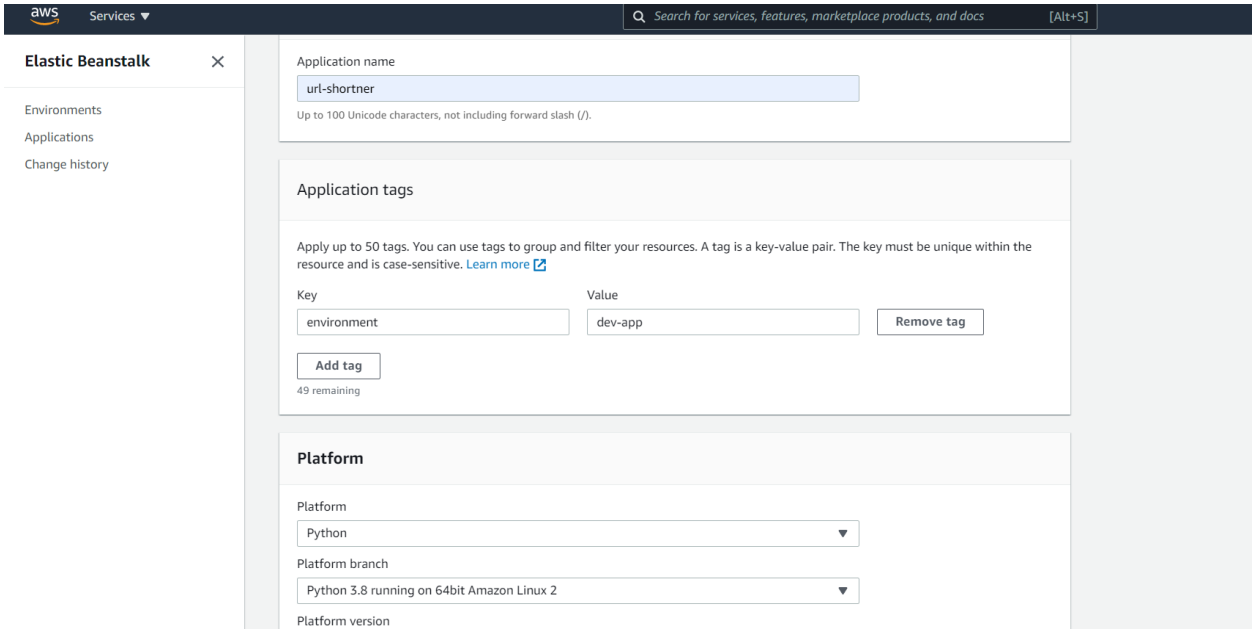


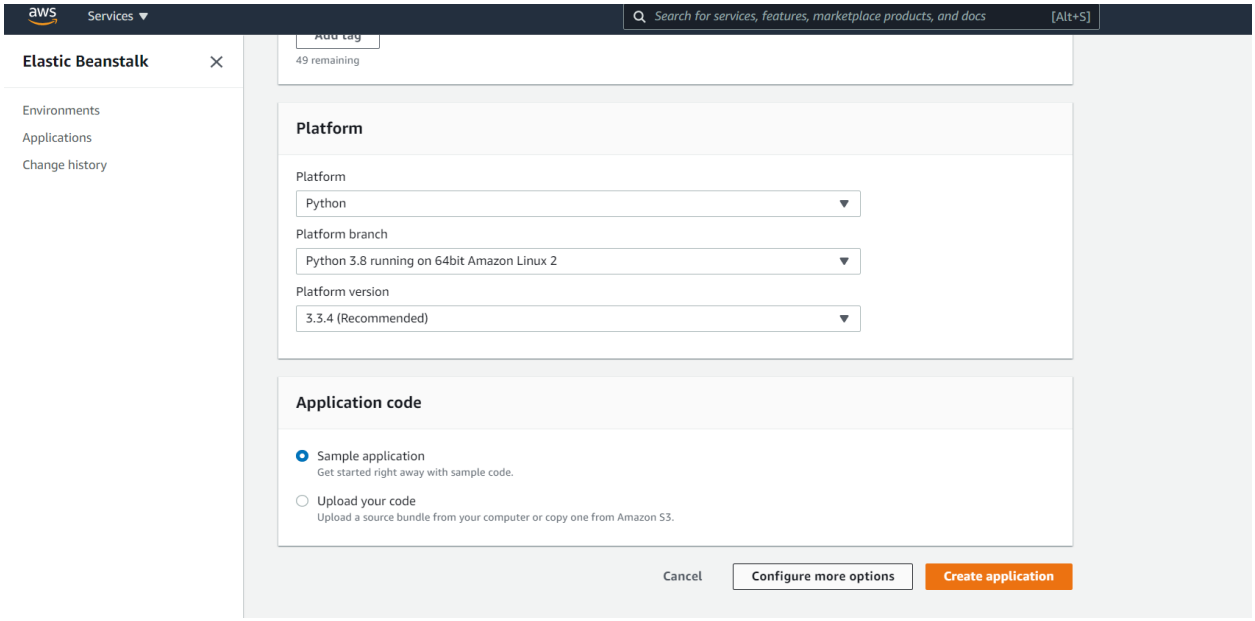
Step 2: Create your Elastic BeanStalk by entering the application name, key, value, platform, and application code (see below):

- Enter the AWSEB setup by selecting "create application"

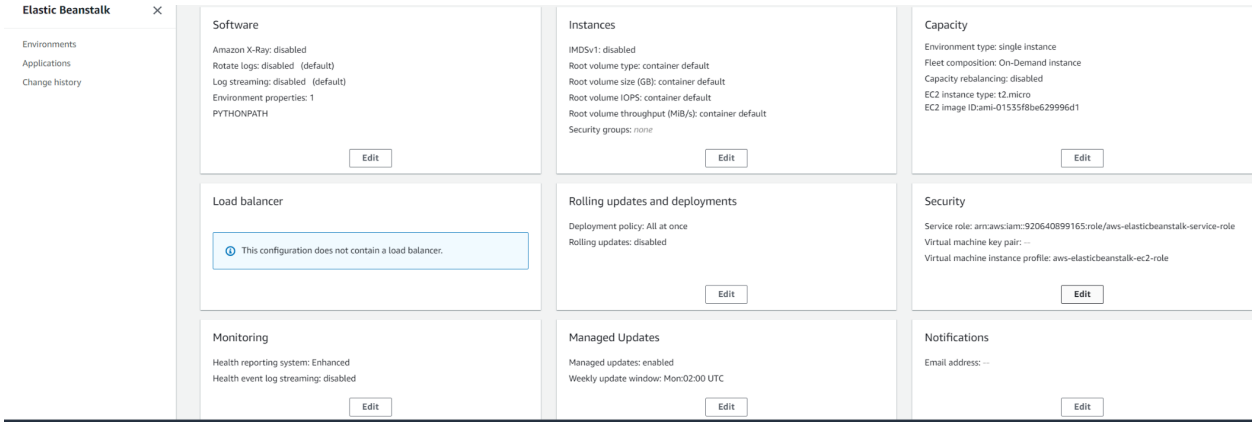


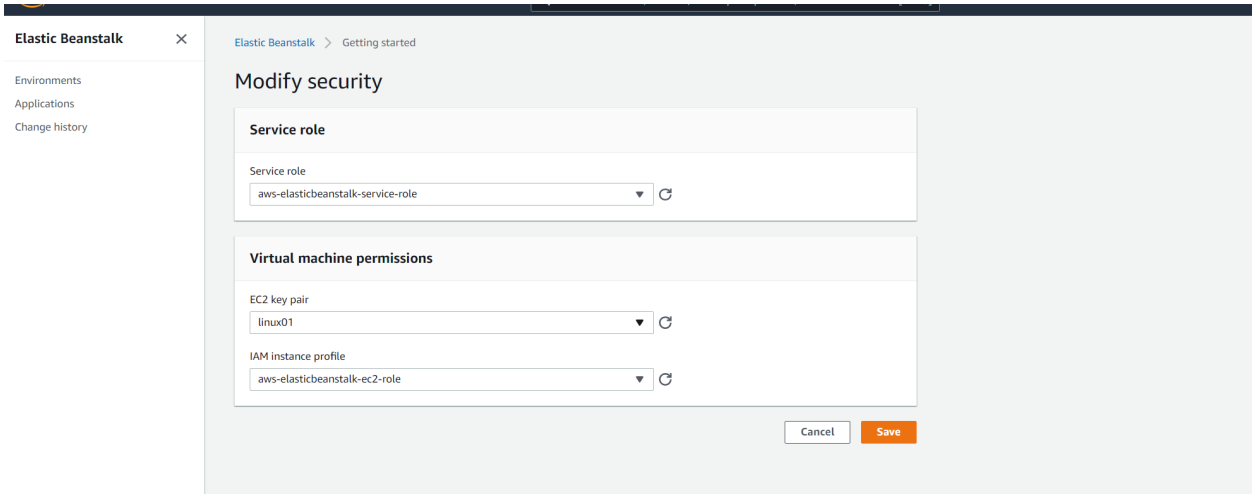
- Enter your application name, application tag, platform and select sample code





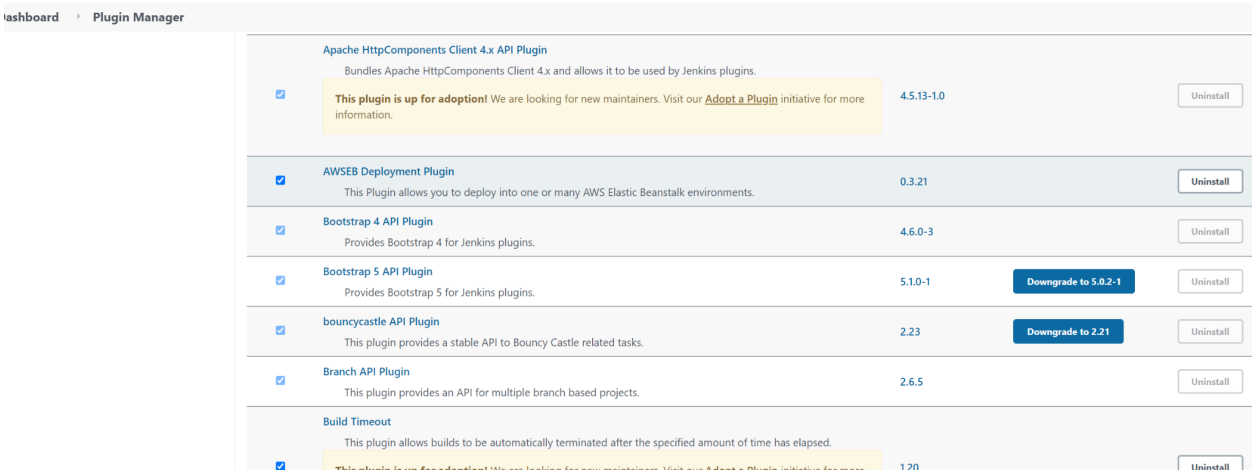
OPTIONAL(adding key pair to EC2): Select configure more options from the above image, select security and then add your key pair to ssh into beanstalk EC2

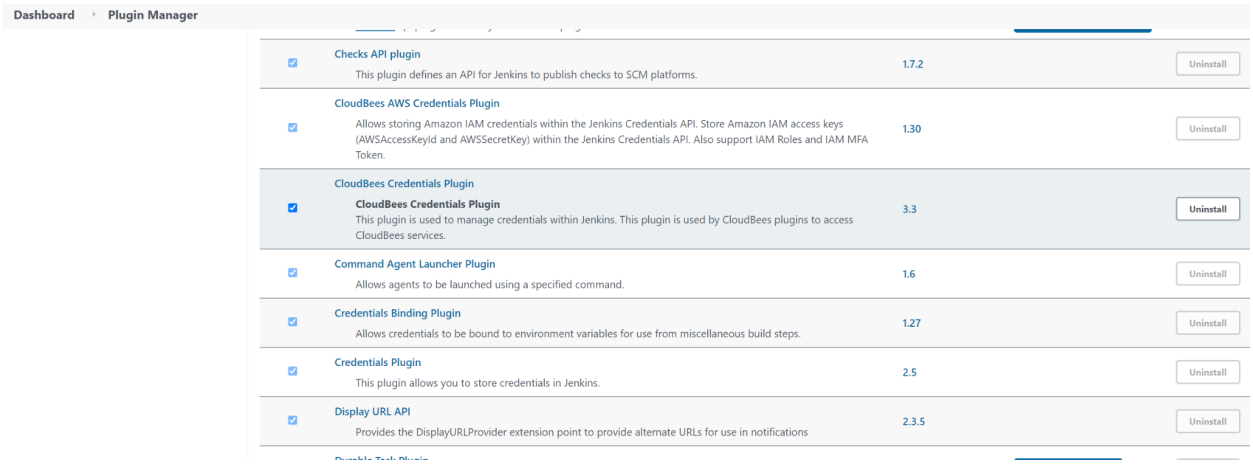




Step 3: Turn on your Jenkins server and download the required plugins below:

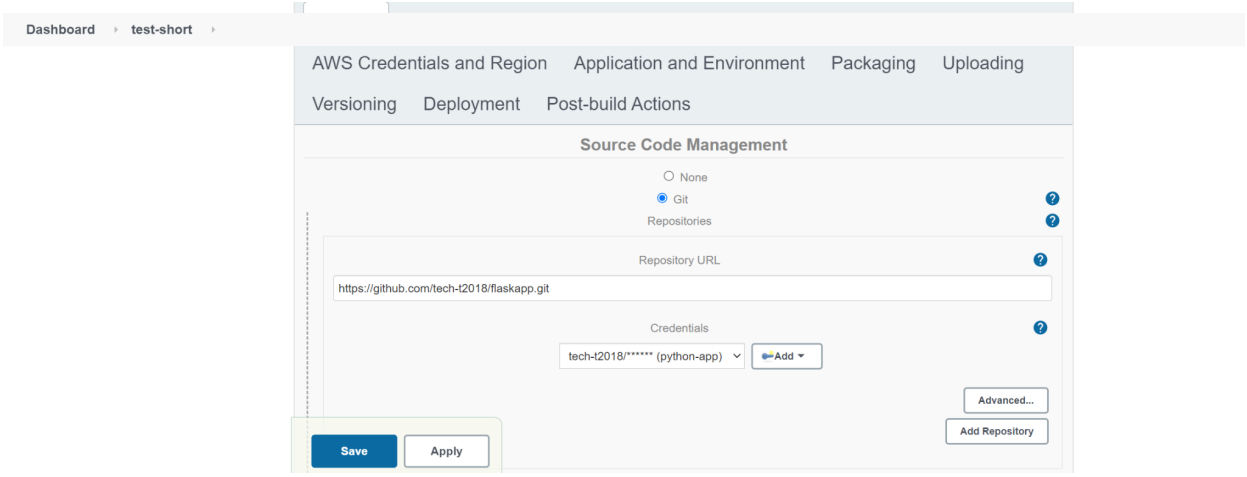
- Required plugins
  - AWSEB Deployment Plugin
  - CloudBees Credentials Plugin



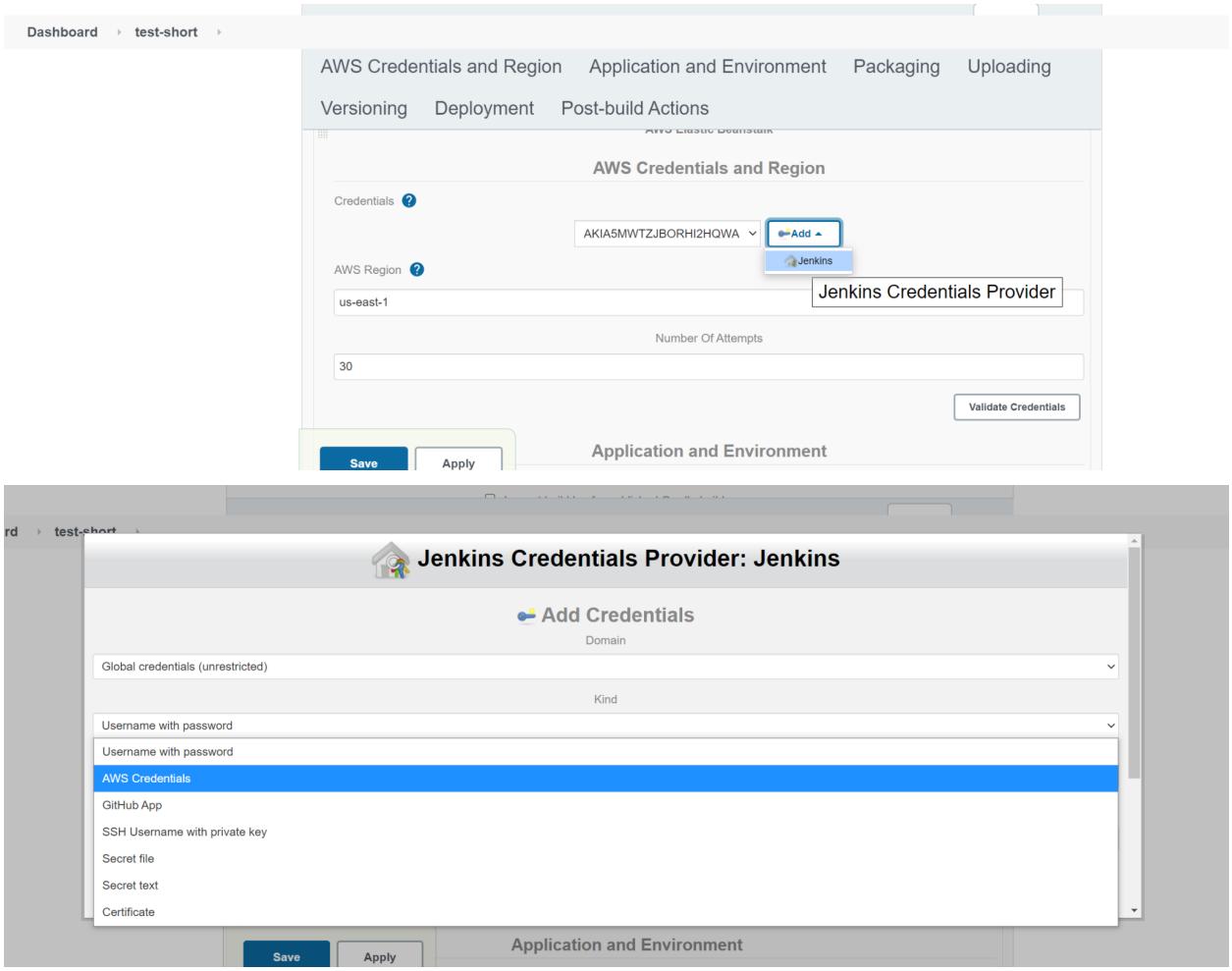


Step 4: Create a freestyle project with the following configurations set:

- Select git for source code manager

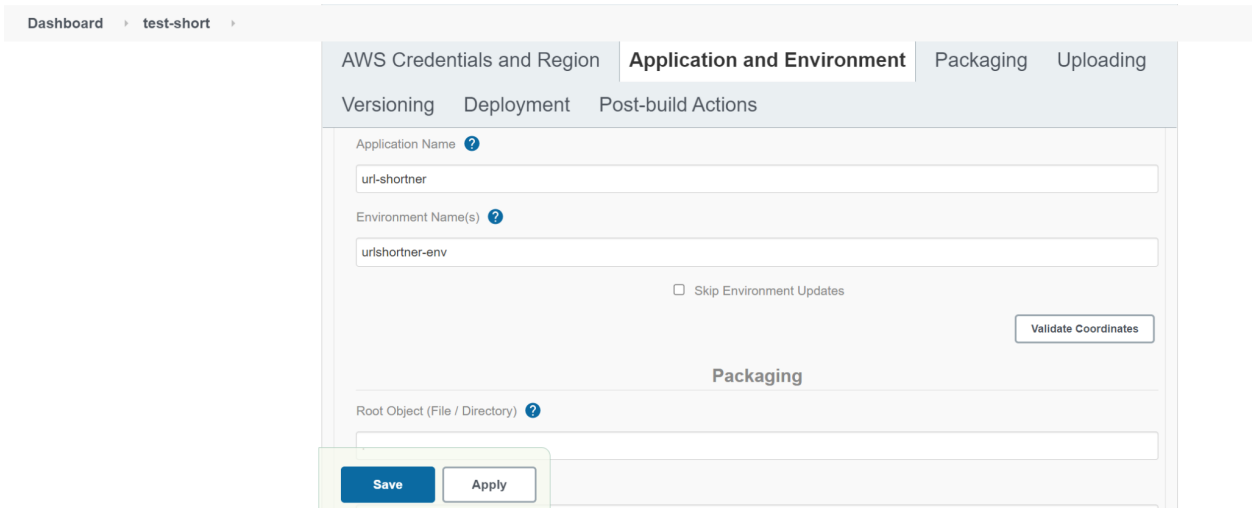


- Scroll down to post actions and select deploy to ElasticBeanstalk.
    - First enter AWS credentials (the ID field can be anything):

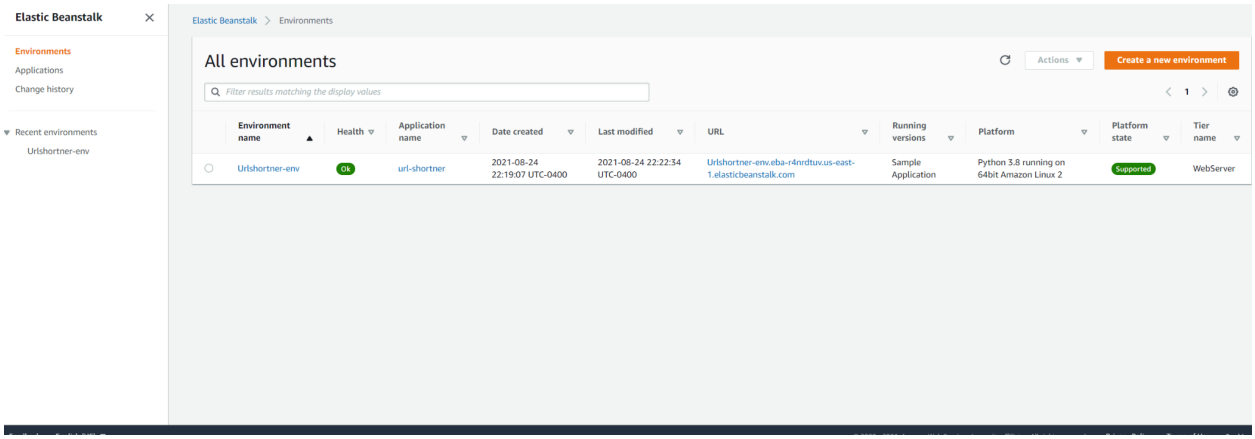


- Second select your AWS credentials, enter your region and select validate credentials

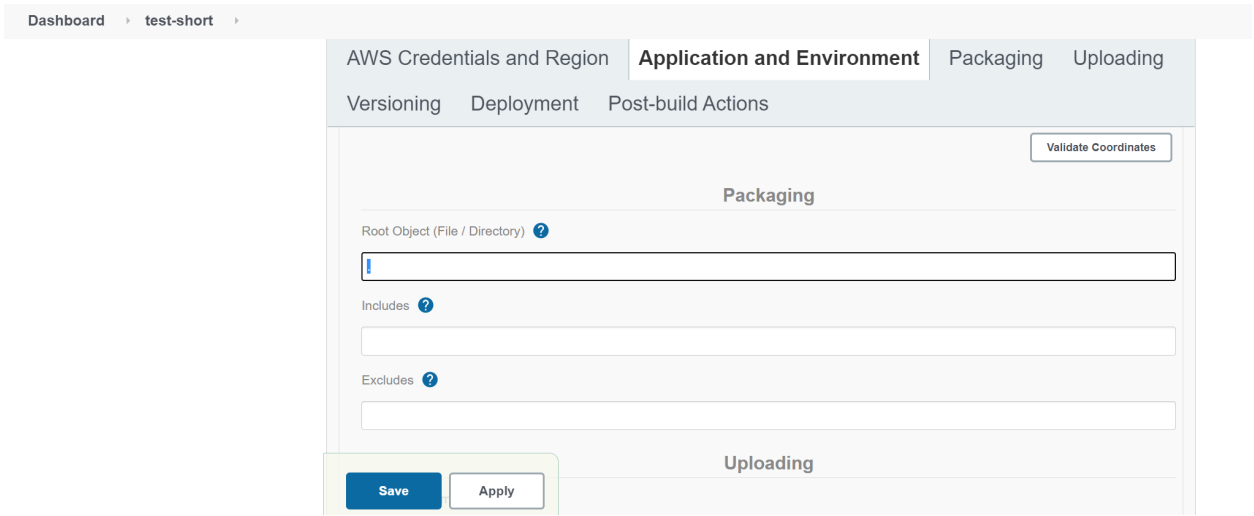
- Third: Enter the application name and environment name. Once entered, validate coordinates



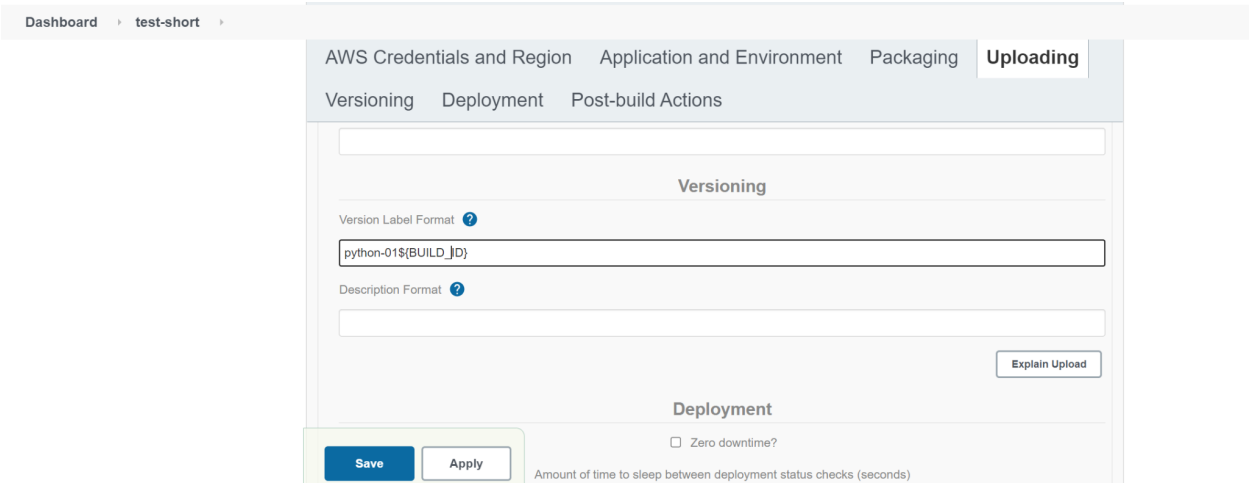
- Location of application name and environment is on the Environments page of AWS



- Fourth: In the Packaging section, enter a period in the Root Object field



- Finally: Under the Version Label Format enter what you see below



Save and start the build to deploy your application to AWSEB.