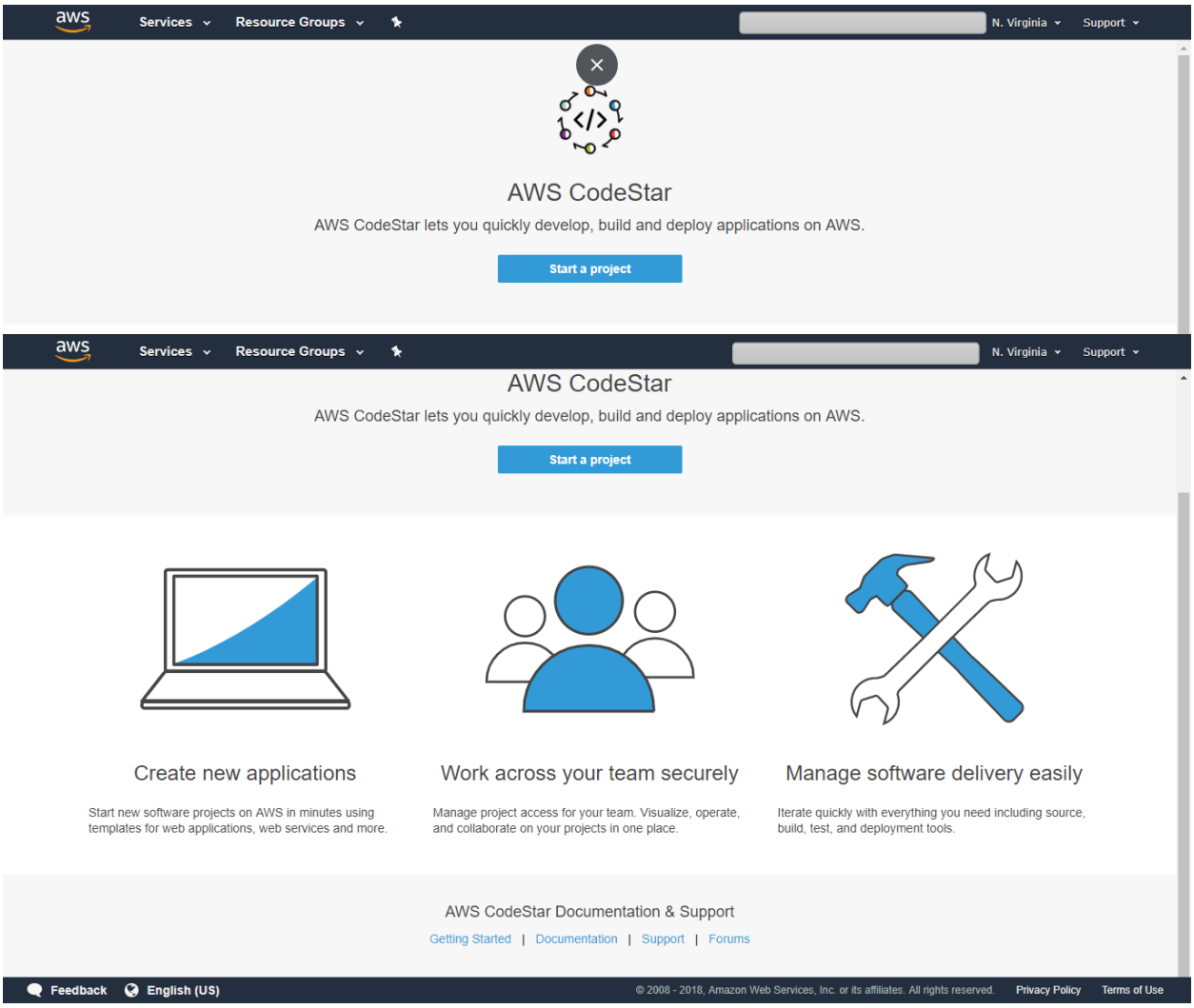
AWS CODESTAR

ACCENTURE CDC2

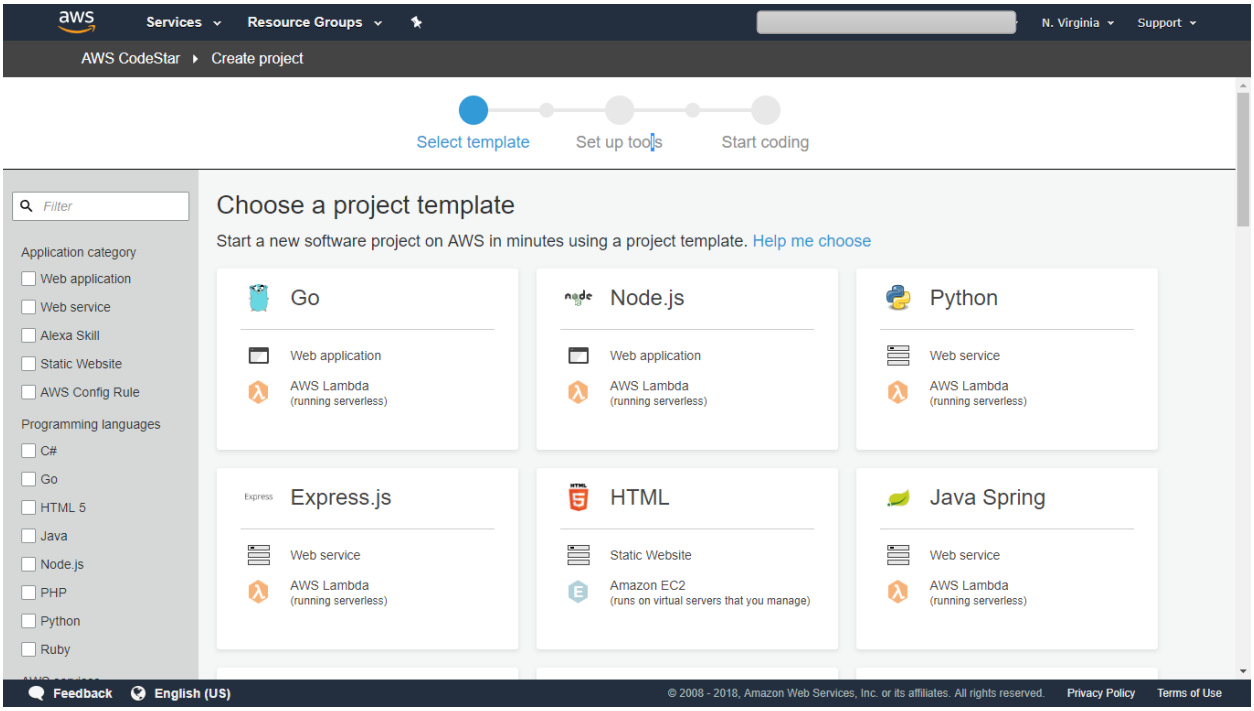
AWS CODESTAR

In this document we will discuss about developer tools in the AWS. The below detailed screen shots will take you through the step by step by instruction to use the developer tools for development.

In our scenario we need to do the development collaboratively within our team and need to do the build and deployment in pipeline. Here we no need to worry about the repository to store the source code and IDE for editing the code and code build to compile and then to deploy the code using code deploy.

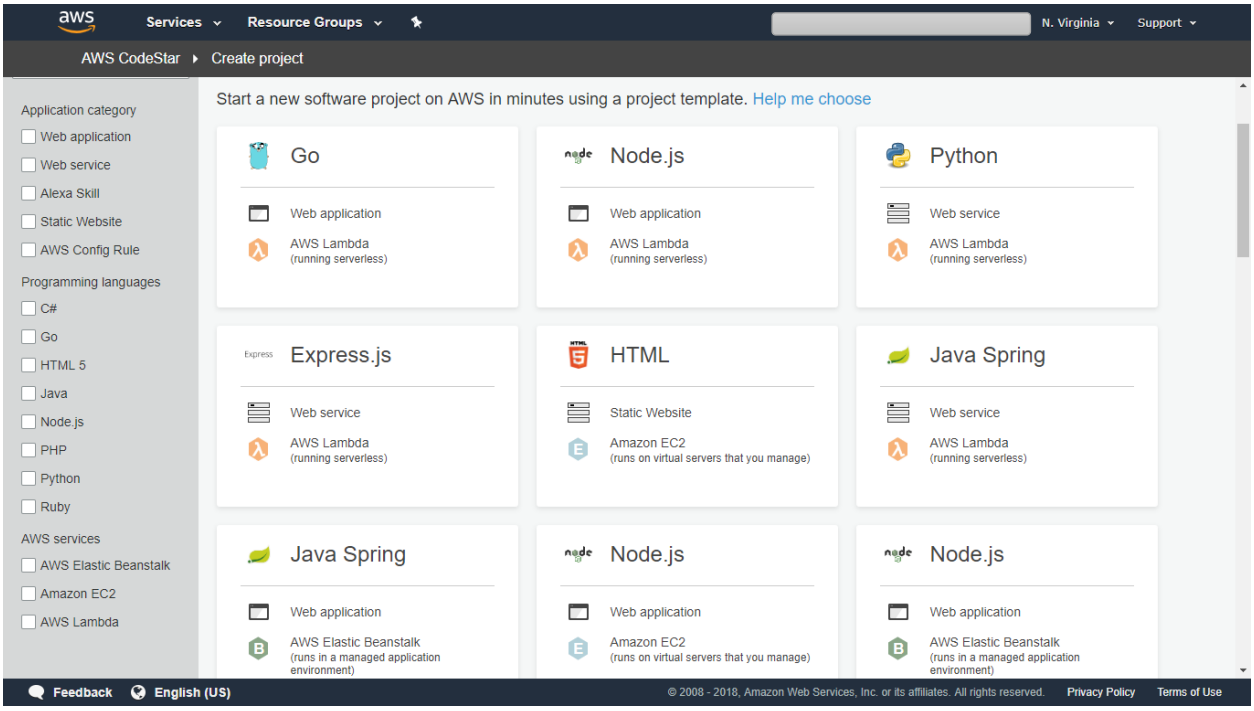


Click to start a new project and proceed with code.

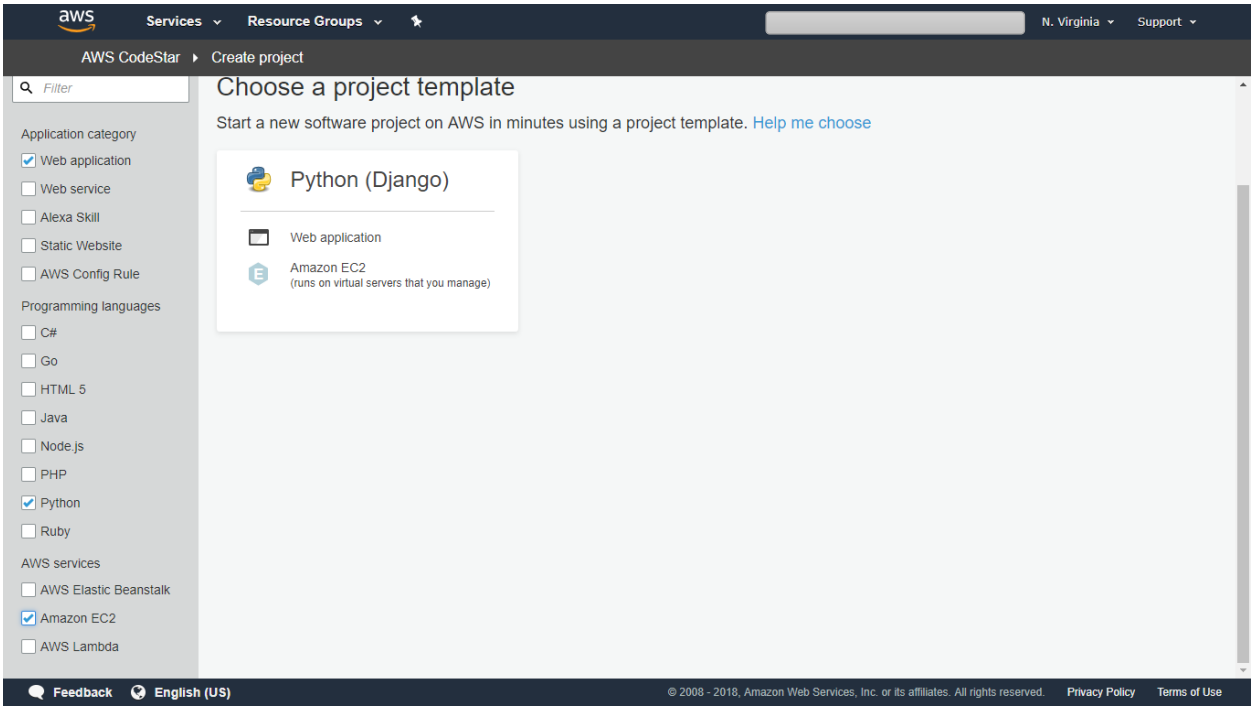


Select a category to choose the template

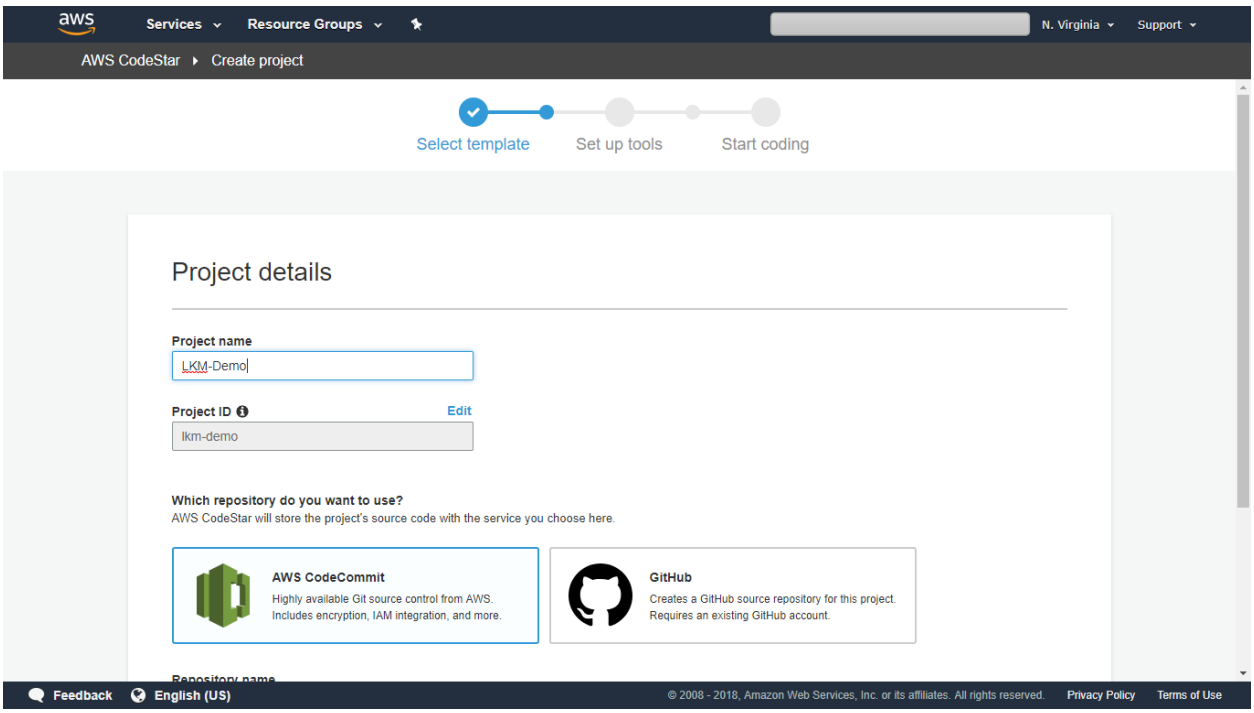
Here I need to deploy a Web Application and the Programming Language is Python also we need to choose the infrastructure how we need to deploy the Project.



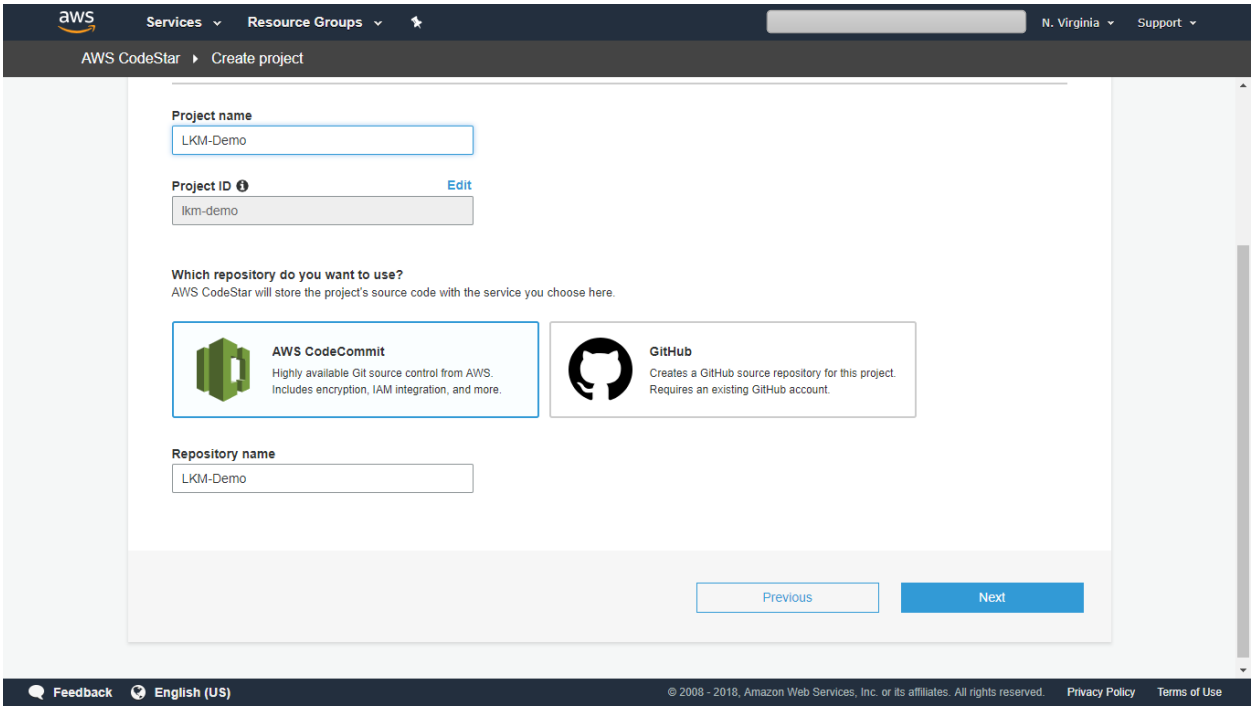
Here am selecting Application Category as ‘Web Application’ and Programming Language as ‘Python’ and the infrastructure as Amazon EC2.

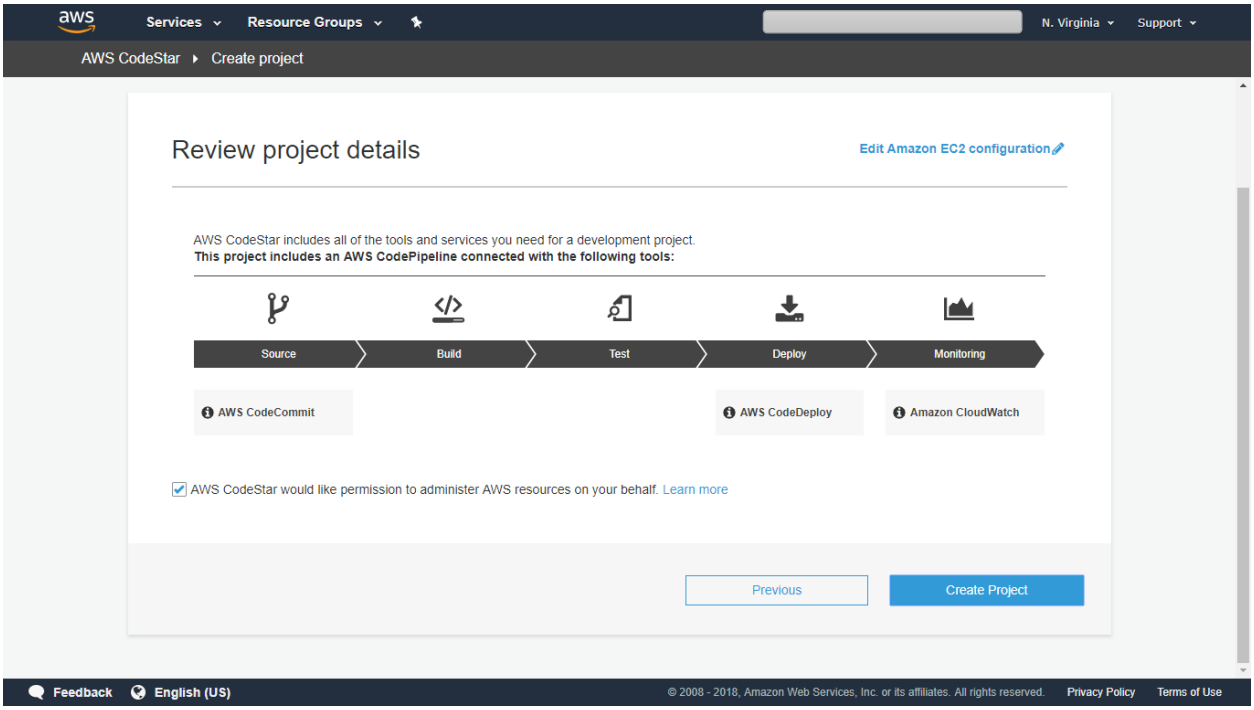


After the filter we have one template with Python Django Web Application. Select the template

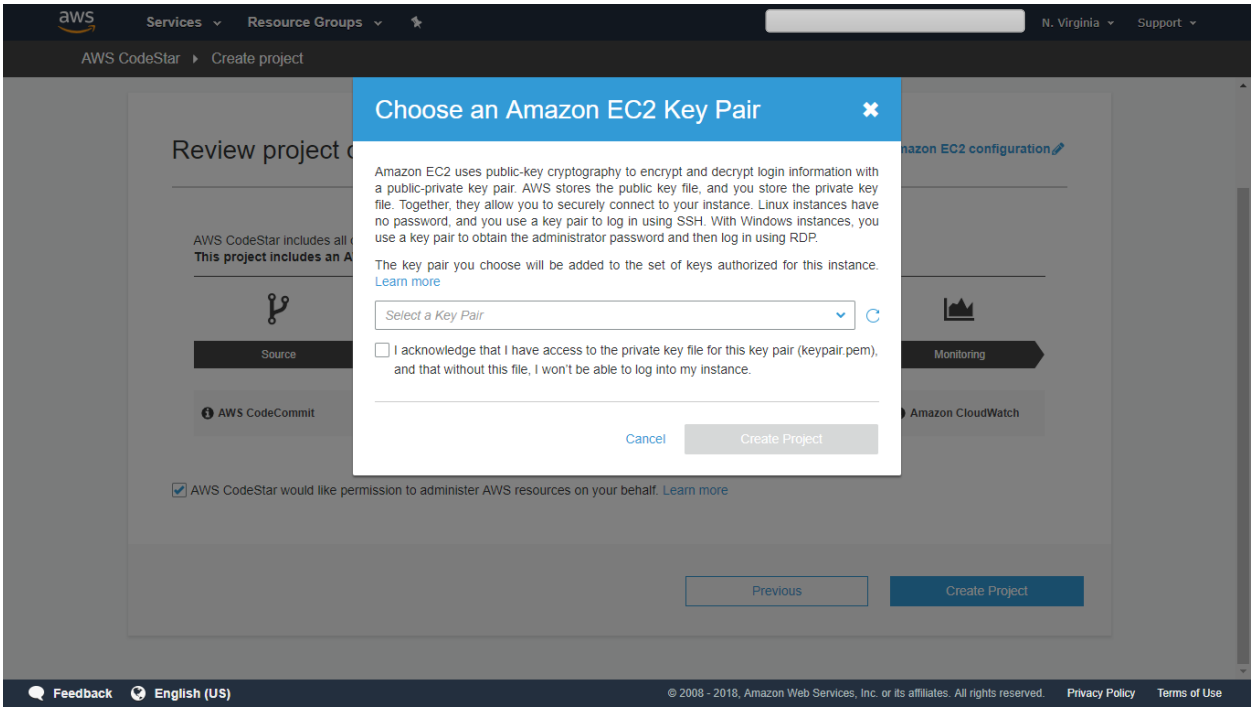


Provide the project name and proceed with selecting the repositories and other tools like IDE for editing the code, we can choose the Code Commit or GitHub as your repository here am using the Code Commit for repository

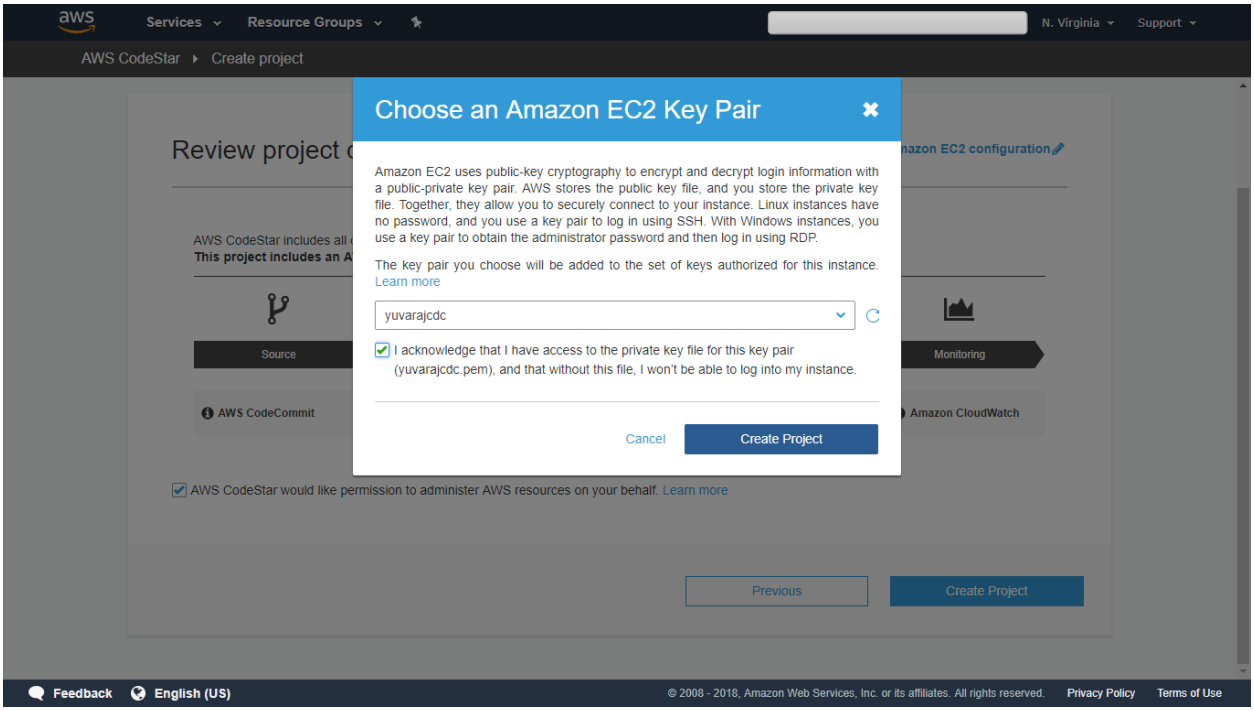


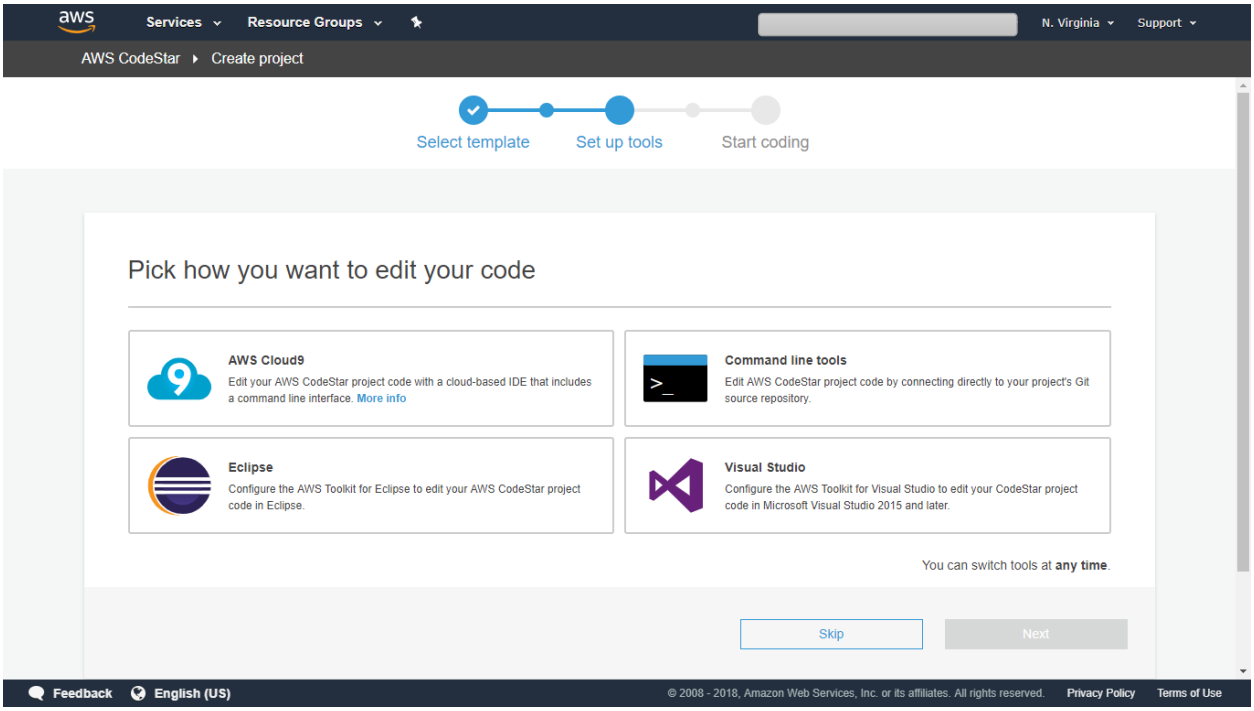


Please make sure the check box is selected to allow Code Star to manage the associated resources and then create project. Since Code Star will be launching other related developer tools.

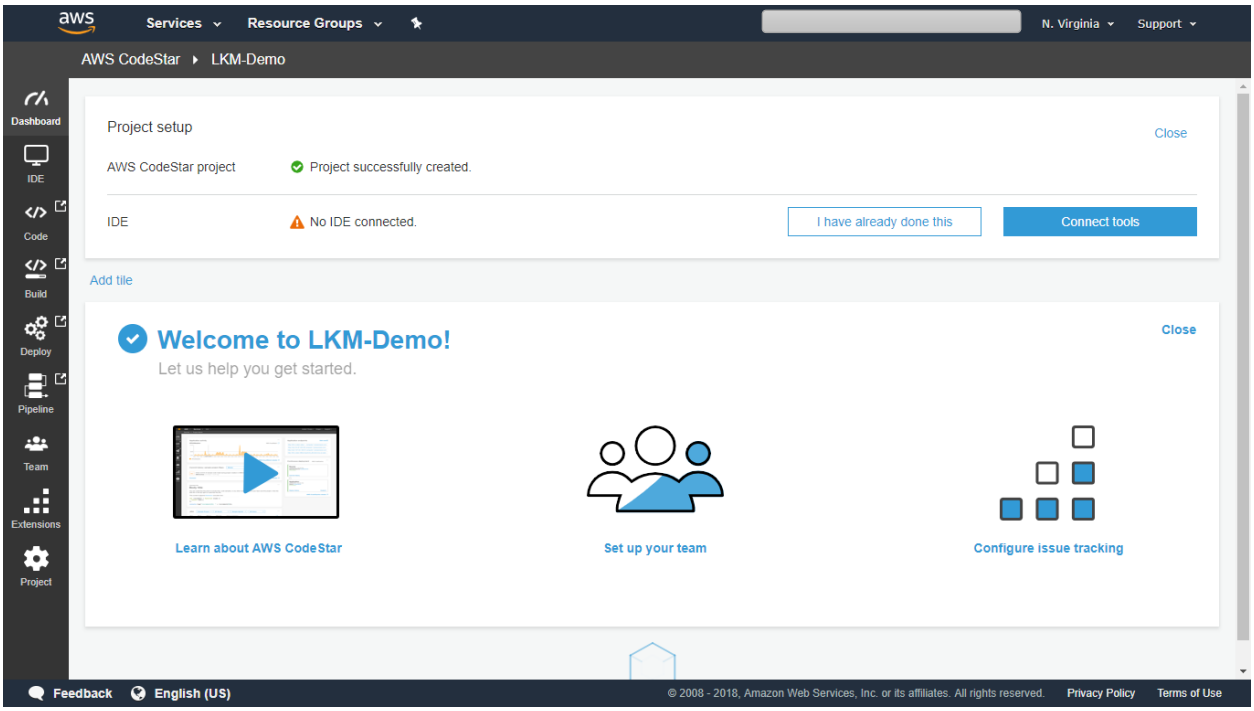


Select the appropriate key pair and create project



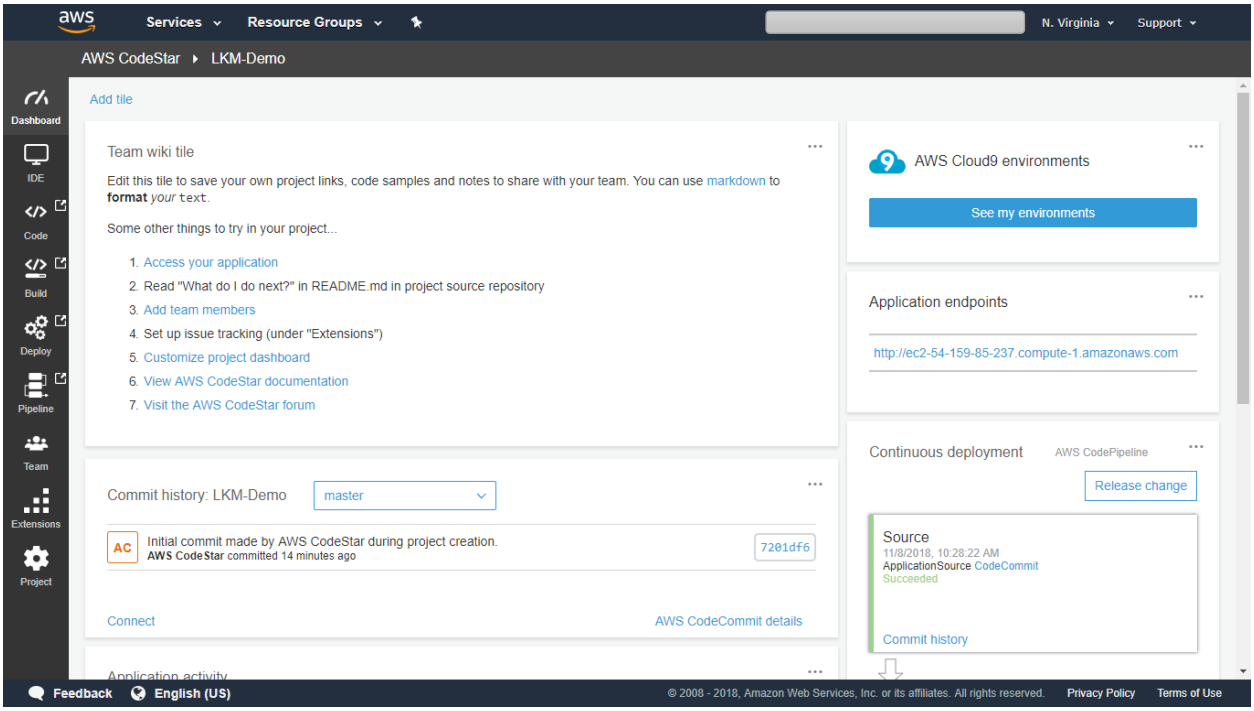


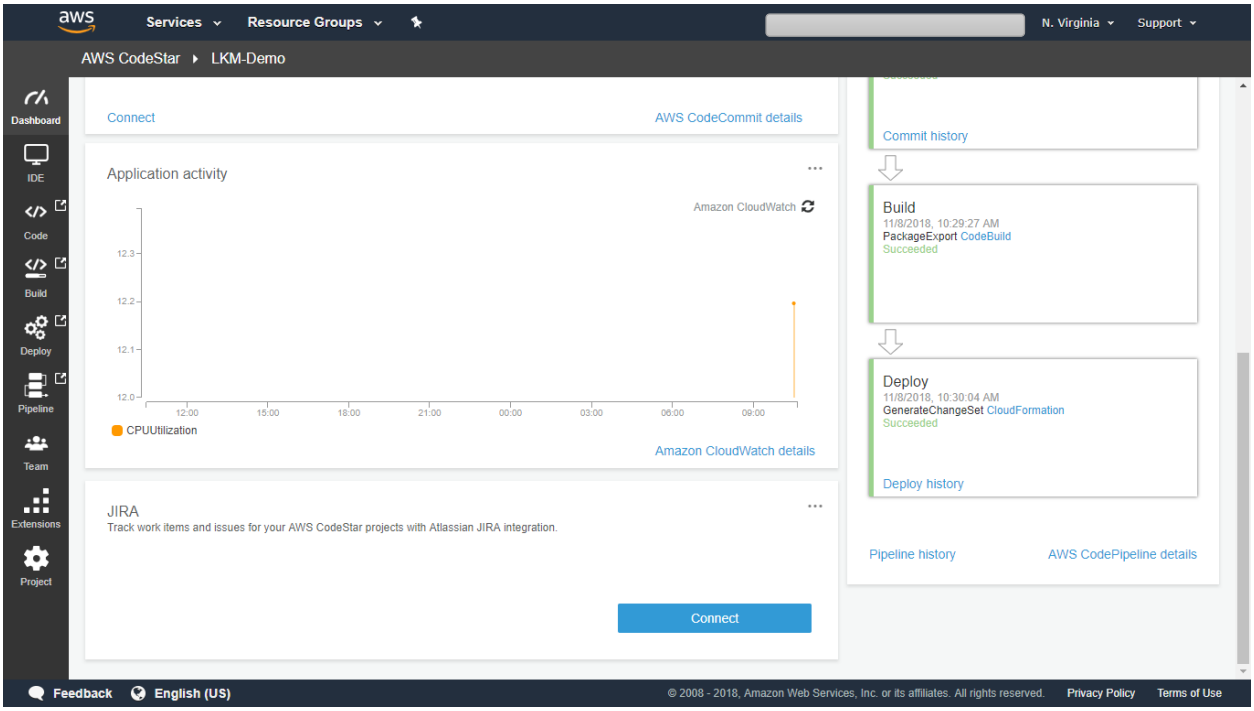
You can choose anyone editor and we can use the SDK to work with third party editor like eclipse or visual studio otherwise choose the AWS Cloud9 editor for code or as of now we can even skip the step

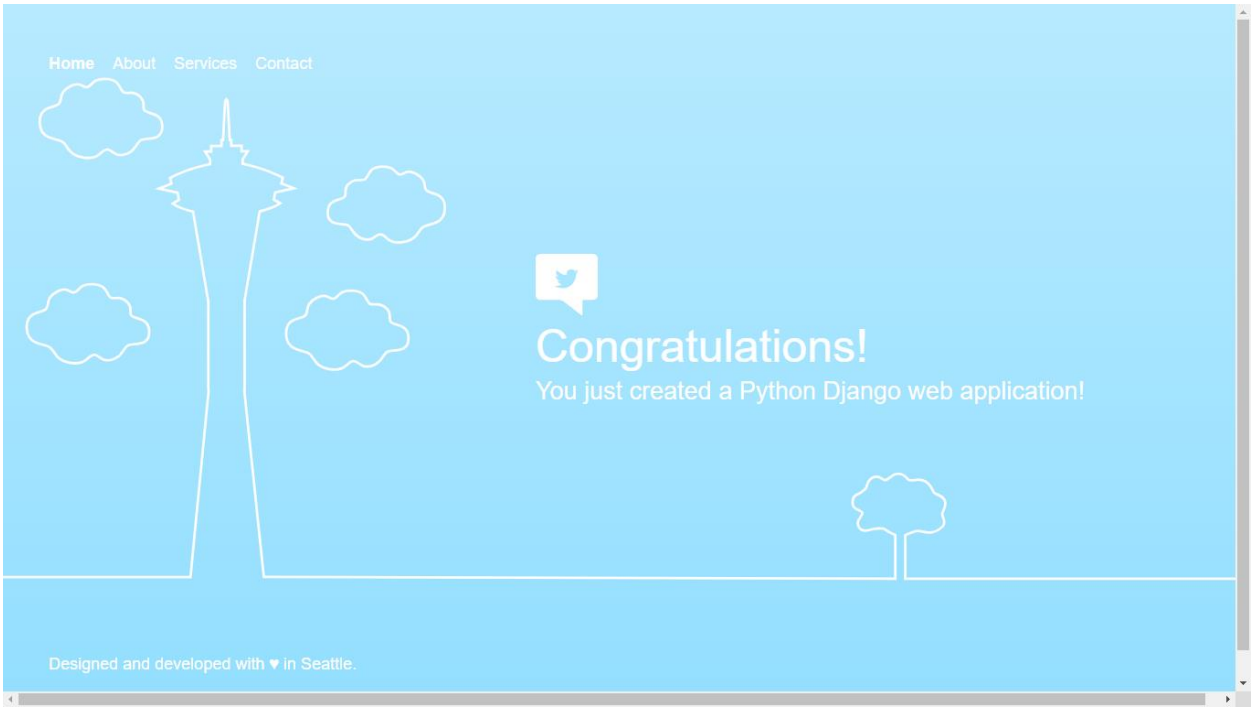


Once the project is created successfully we can check the dashboard

AWS CODESTAR

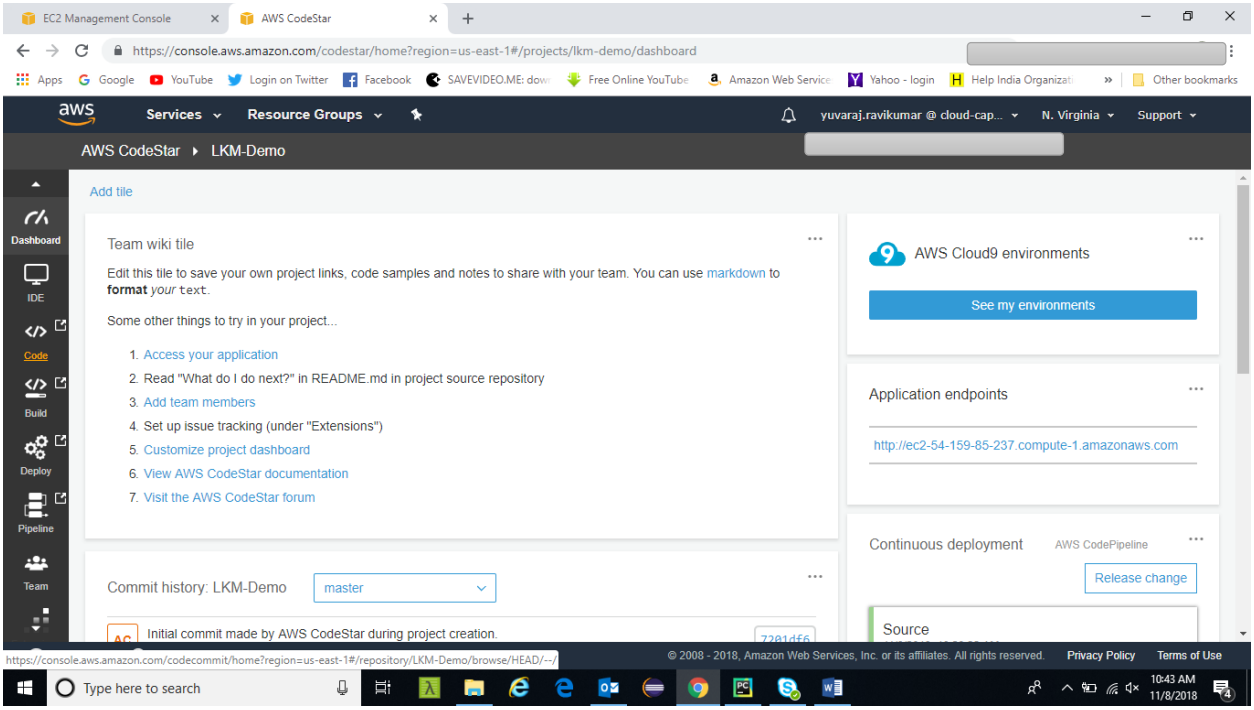




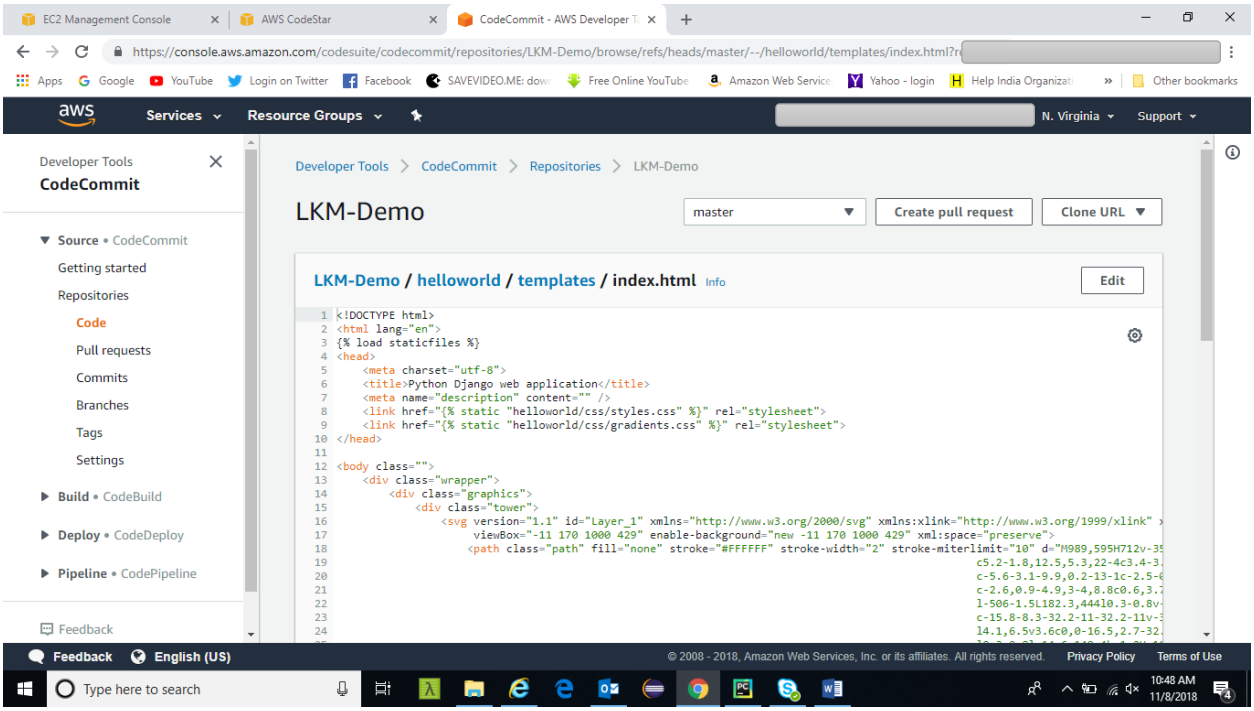


We can check the endpoint of the Web Application Template once the project is deployed.

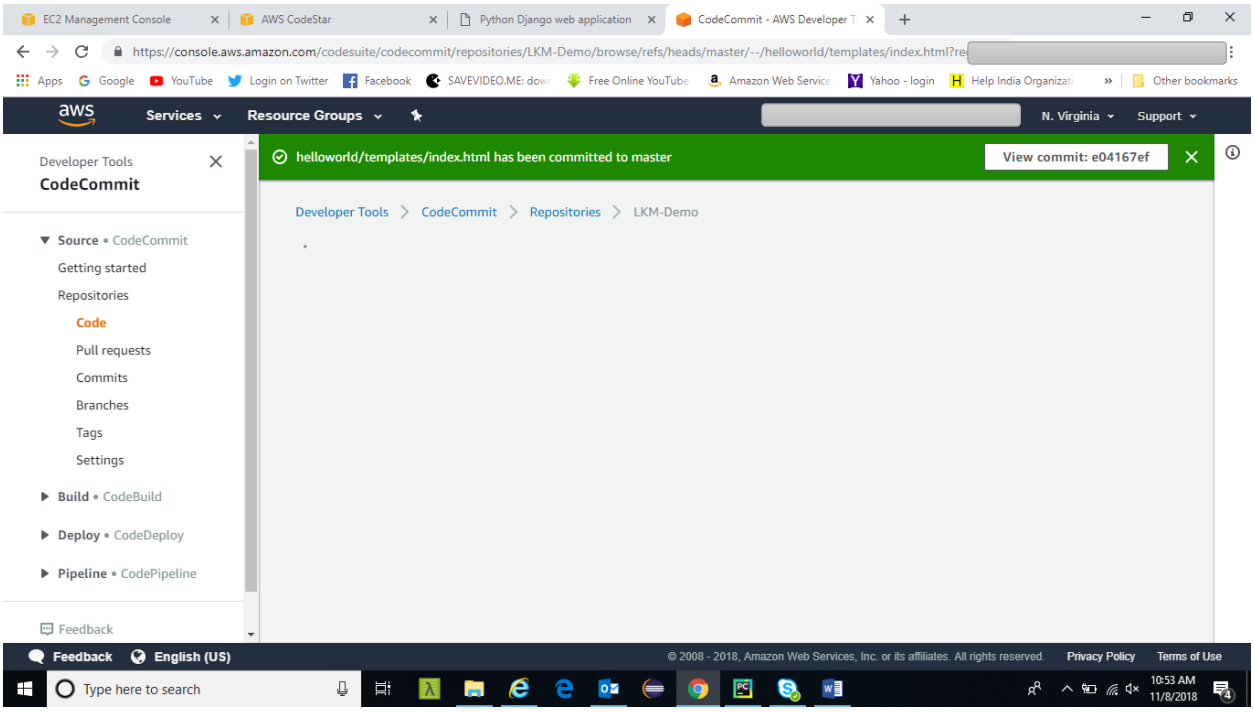
Later we can go to code repositories and make any change to the code and build the changes.



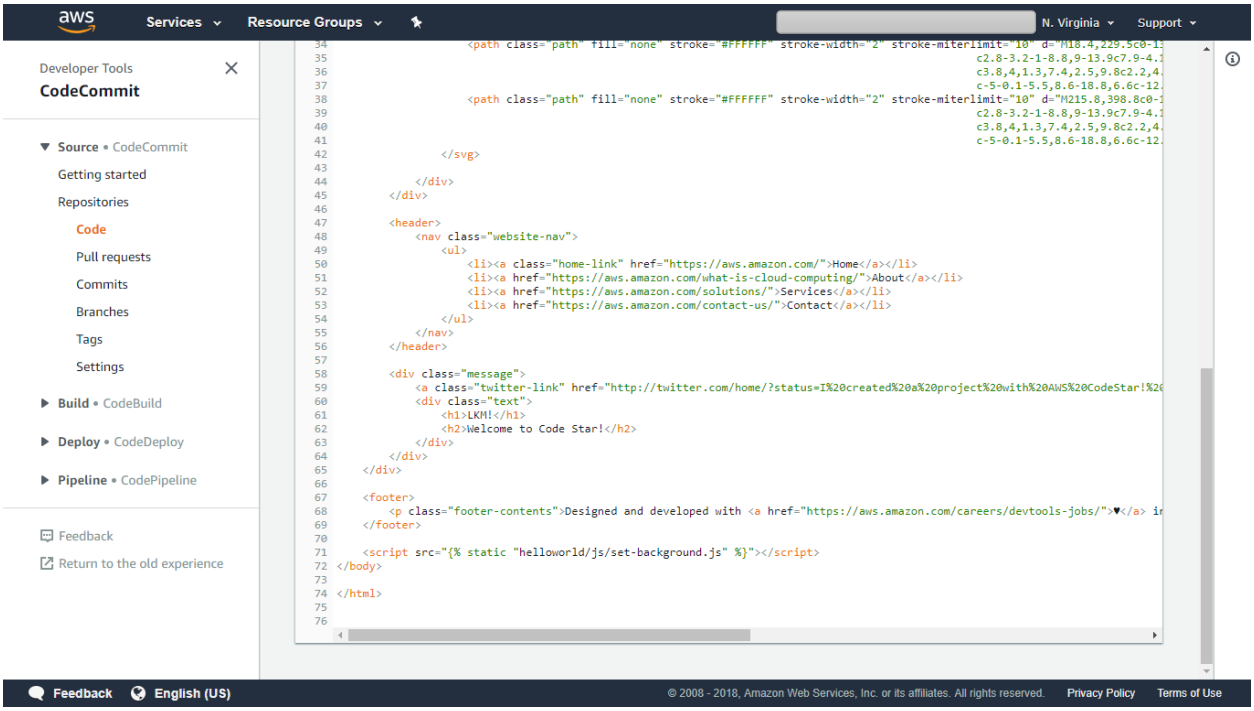
Select the code in the left-hand side dashboard and proceed exploring the default template and update the code if required.



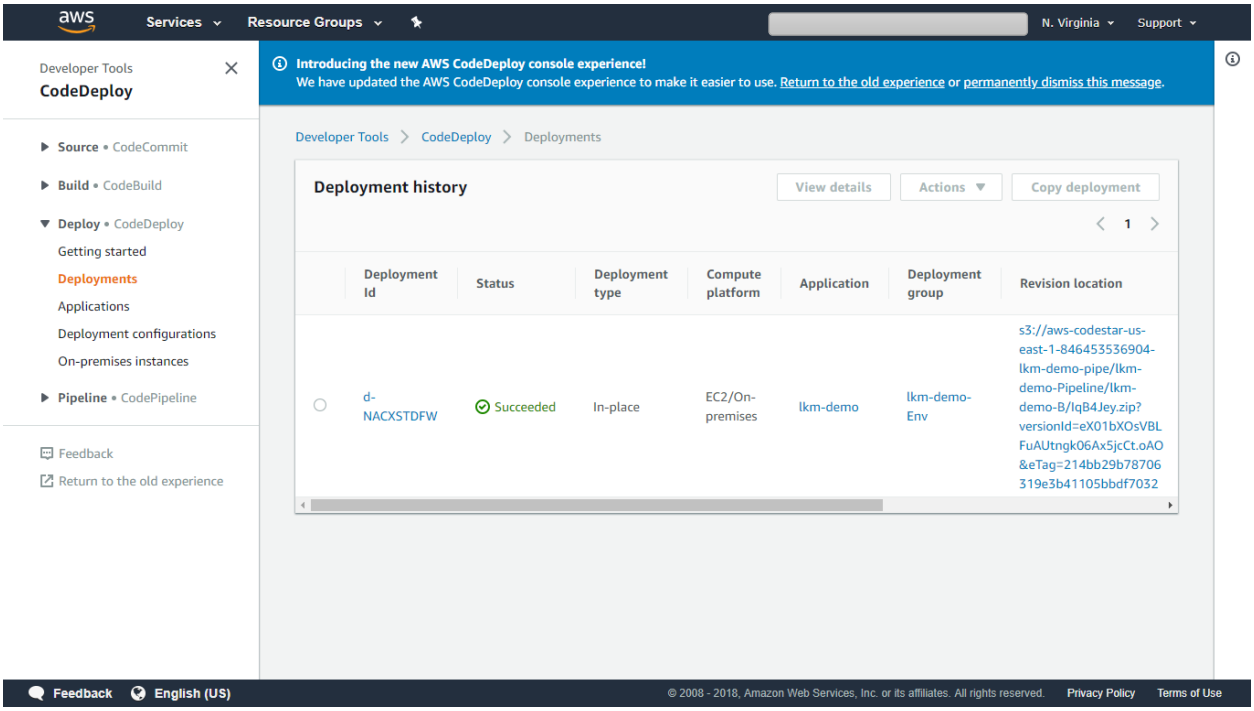
Change the HTML Page alone in our scenario and then build to see the changes



I have make the changes to the ‘index.html’ and committed the code.



Go for deployments and see the latest deployments

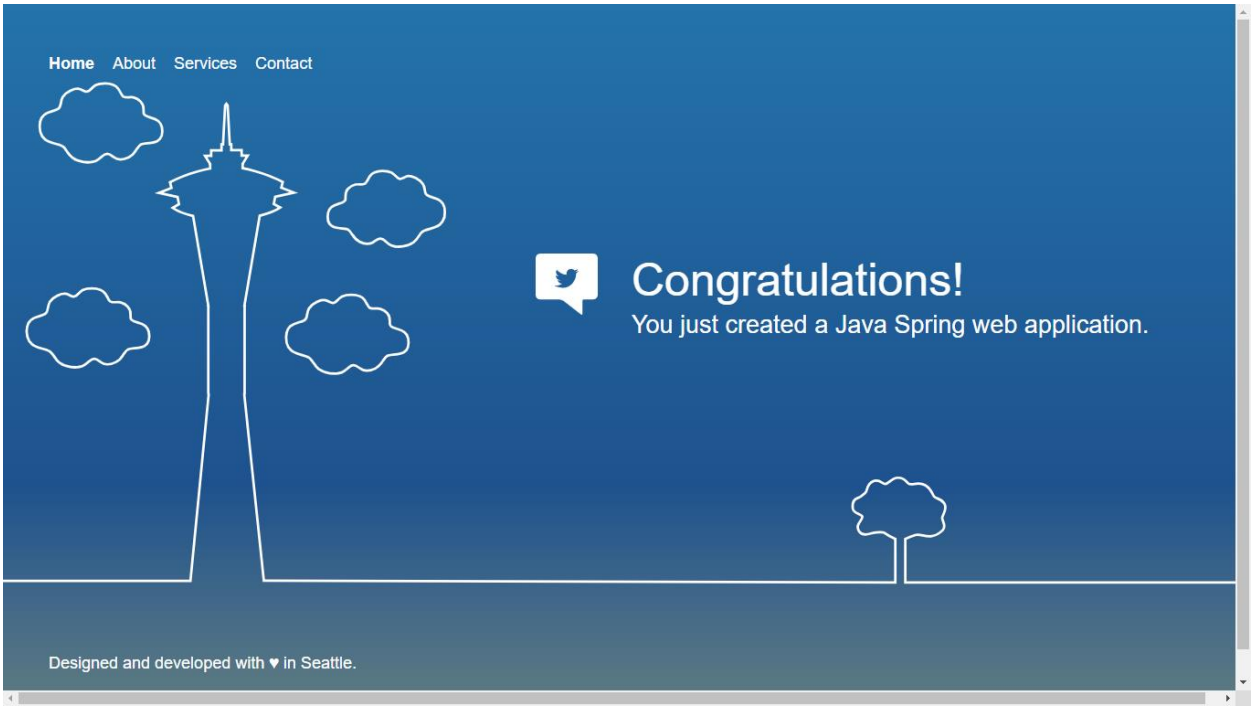


The above is the latest deployment and wait for the new commit to deployment.

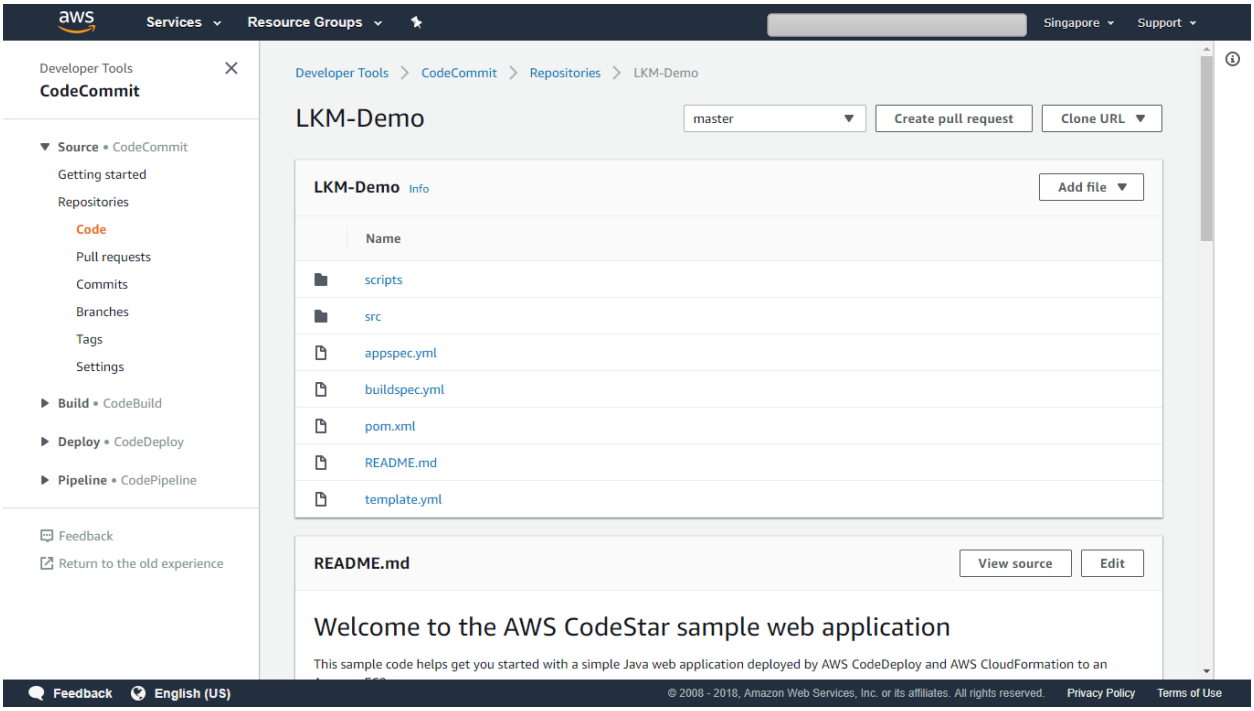
Scenario 2:

The team after the first deployment is getting ready with the latest commit as per the requirement given by the Client, now the following steps take through the continuous integration and deployment happening after the new commit

In this scenario, create a sample Java Application with the same configuration as python

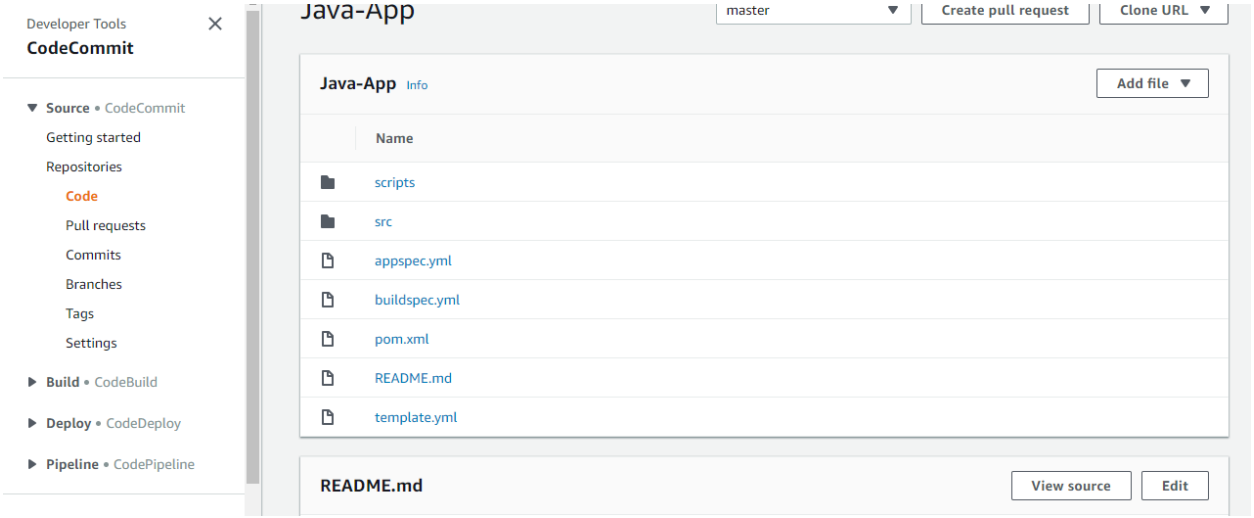


Once the above application is deployed, please proceed with changes to understand the CI / CD happening automatically once the new commit is done from the build

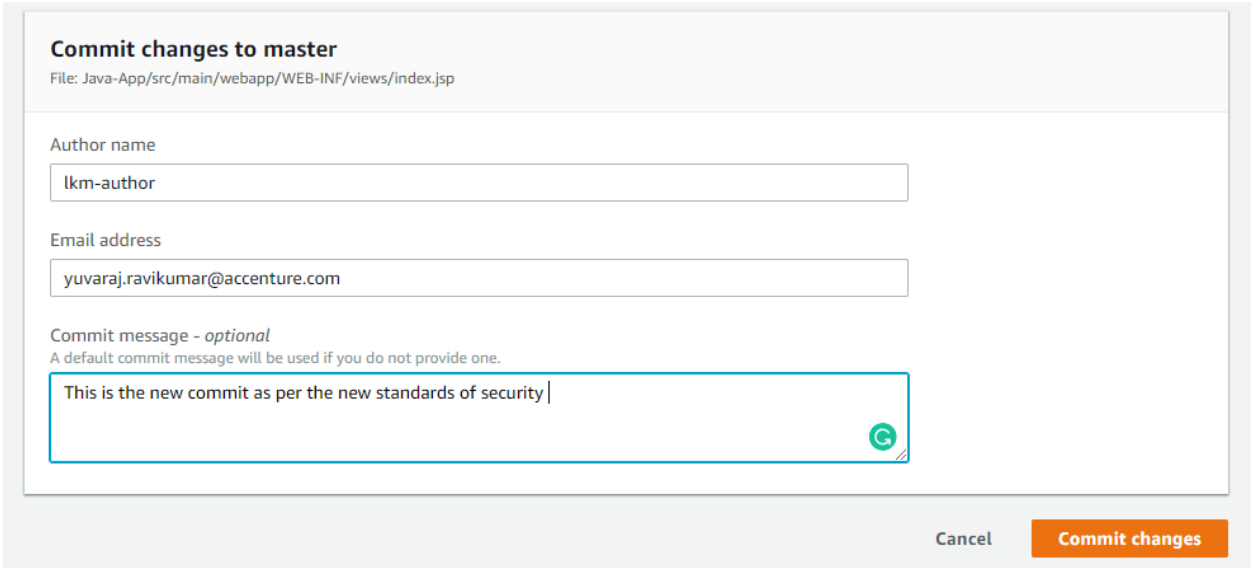


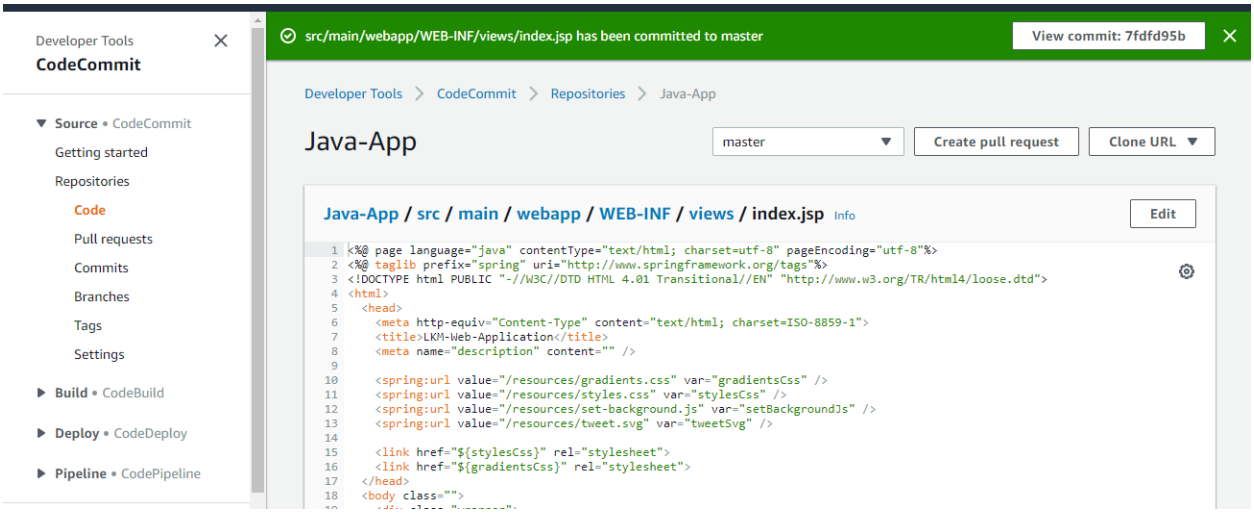
Get inside the repositories and update the code as per the customer requirement or adding a new feature and commit the changes.

In this scenario, we are updating the code in the 'html' section.

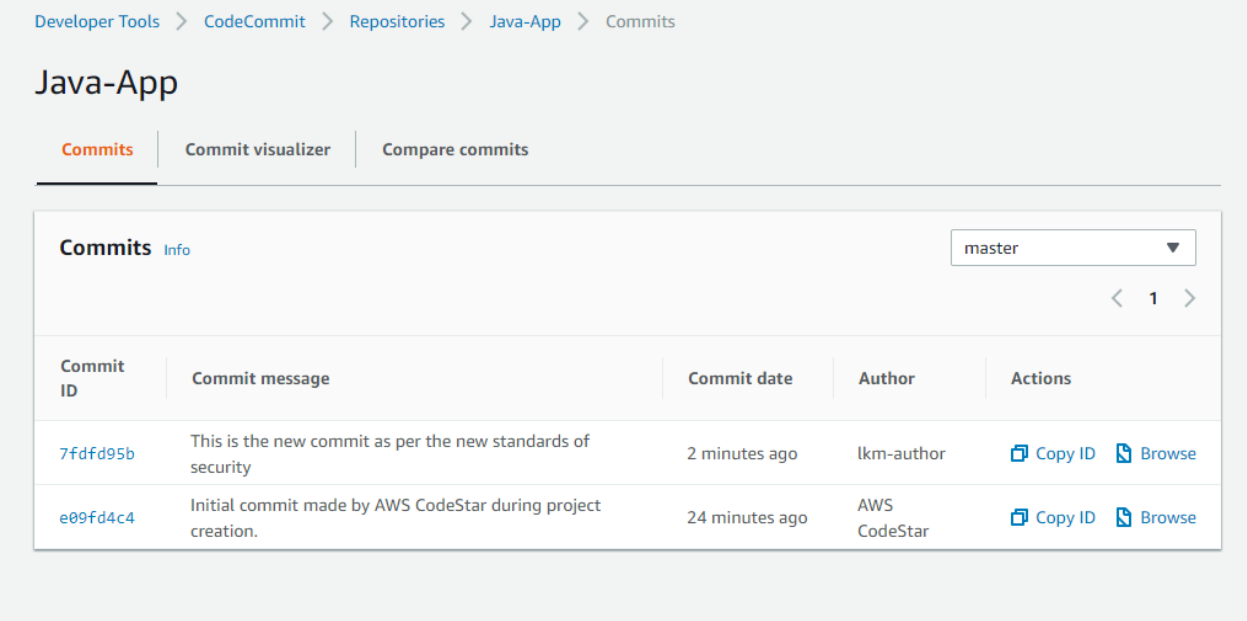


The necessary changes are made in the index page and commit the changes

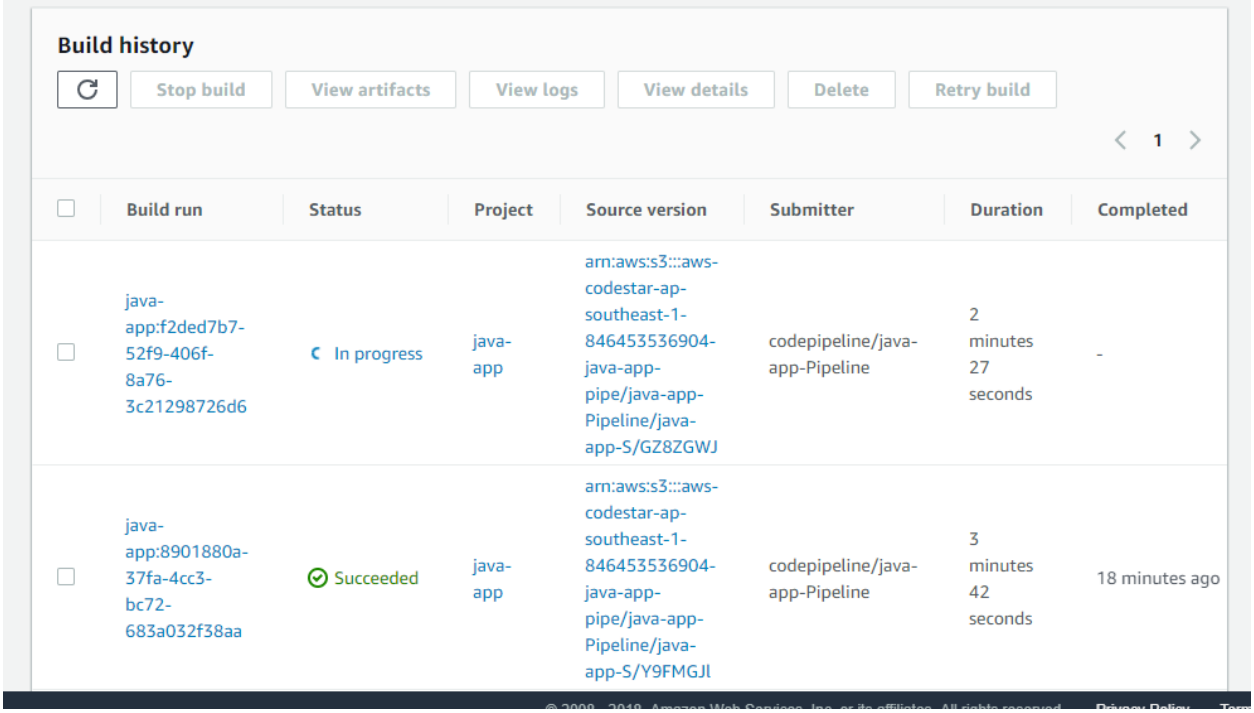




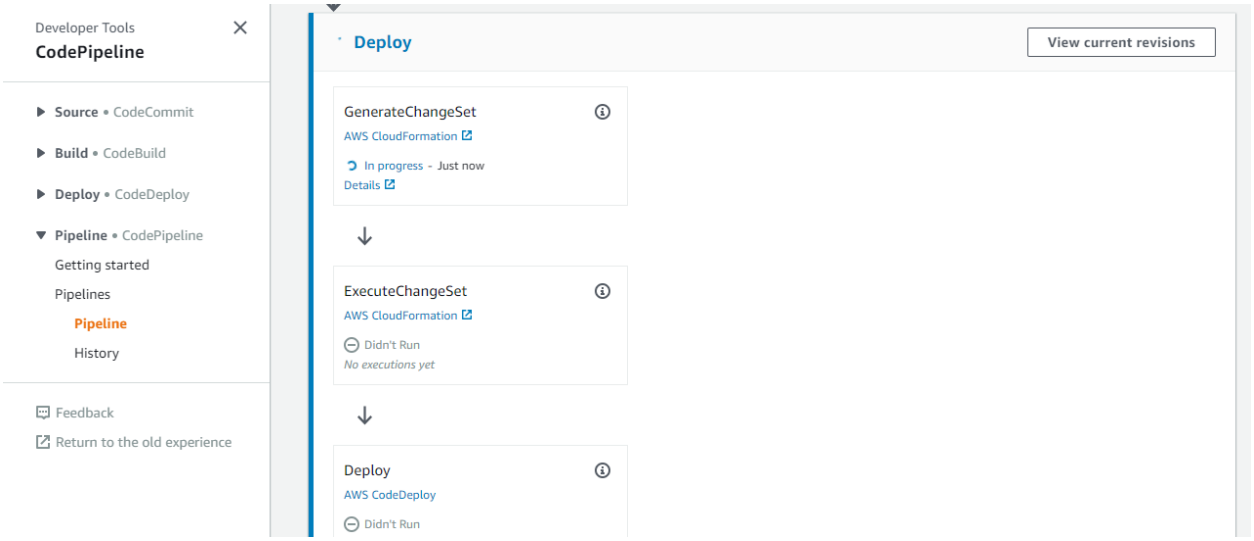
Commit changes will take care of continuous integration and deployment automatically, let's see the update in the application



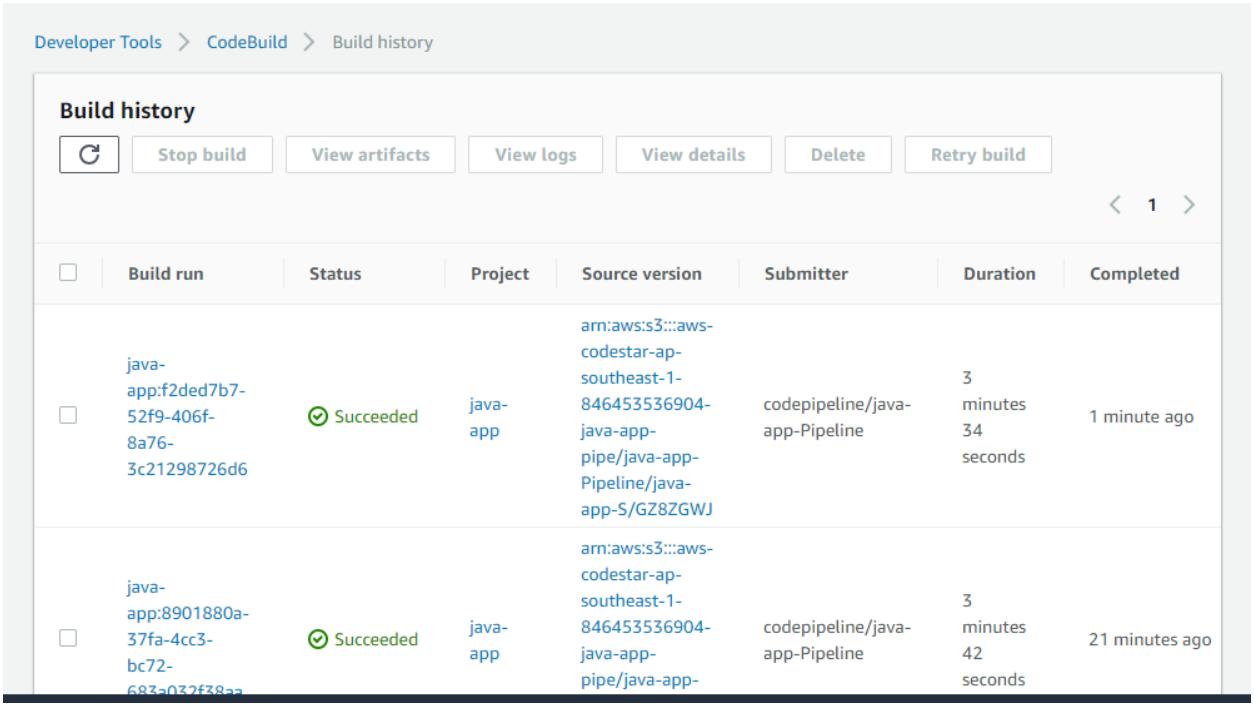
Here once the commit is done build is happening automatically



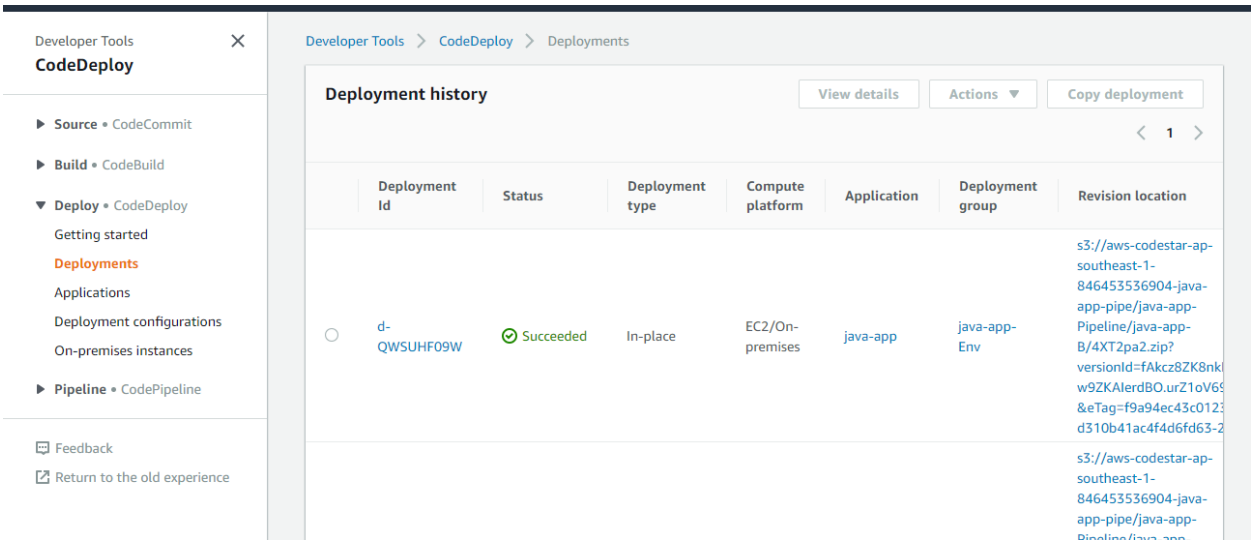
Once the build is done and then deployment will happen, we can check the same in the Code Pipeline



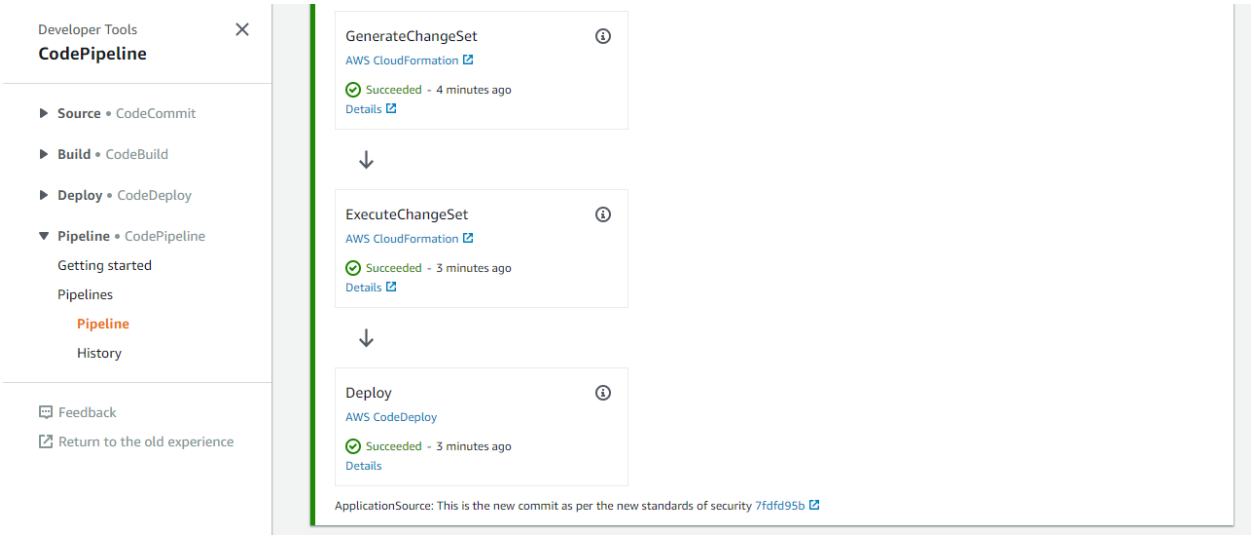
Now the build is successful

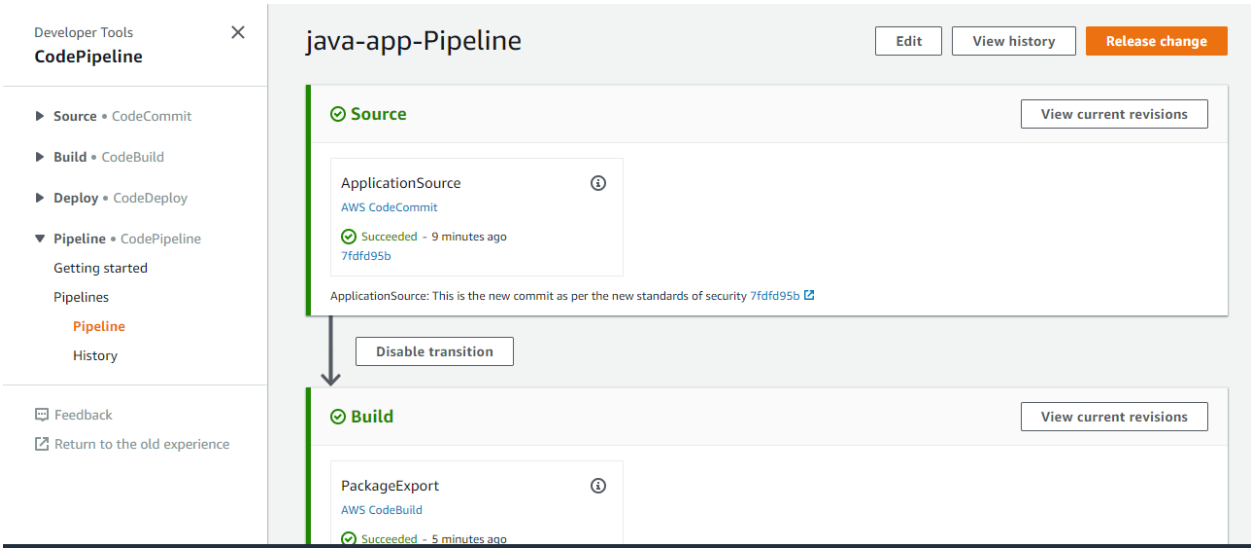


Once the build is done the deployment is also triggered and the deployment is completed successfully

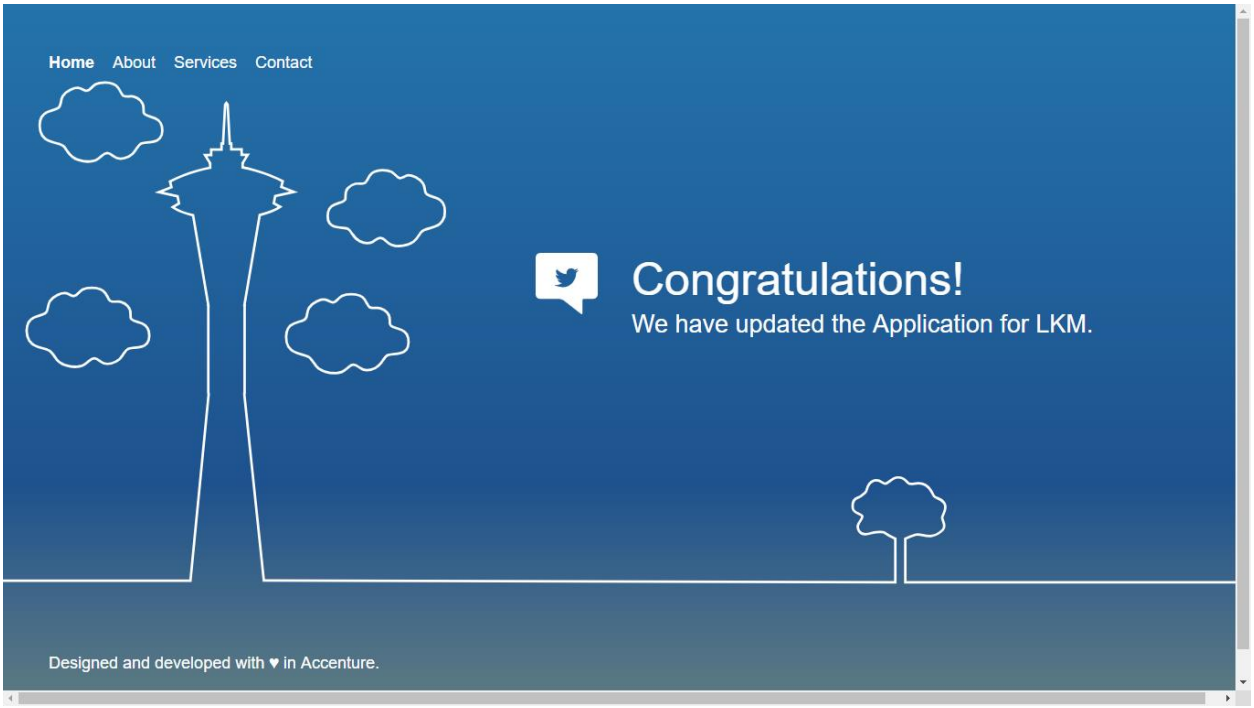


Now the we can check the status of the build and deploy in the pipeline

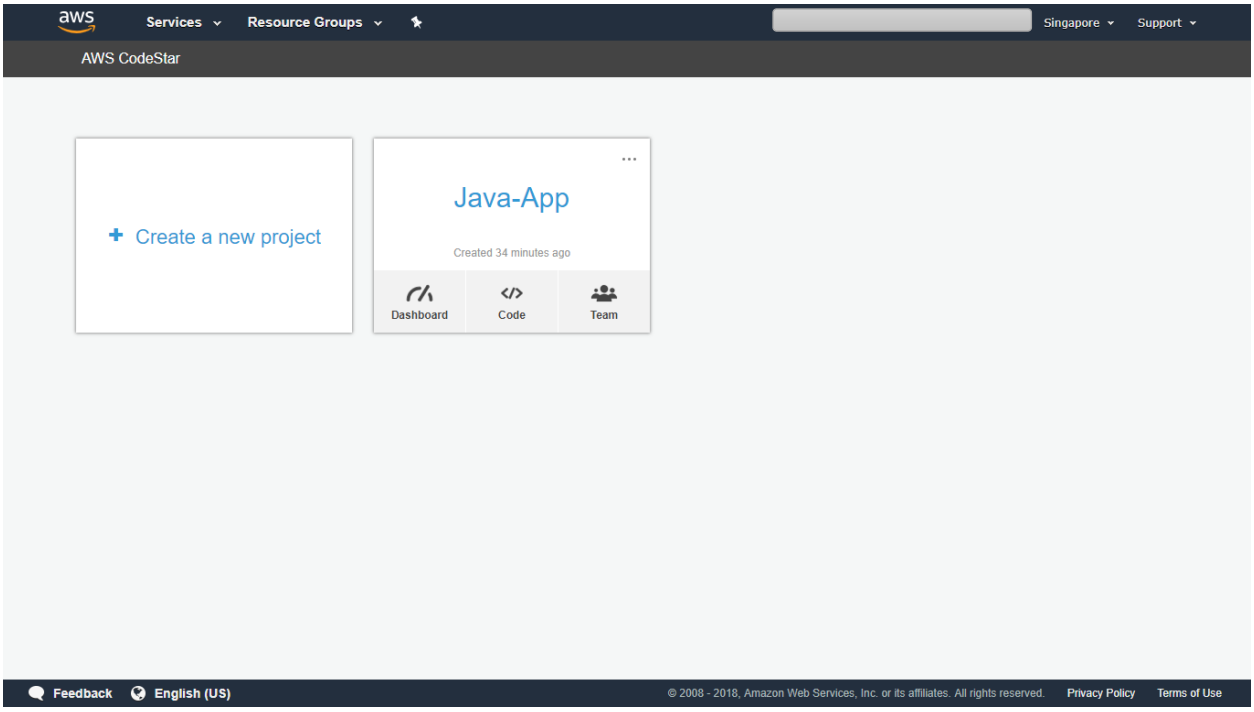




Now everything is ready, and we can check the same in our web application for the commit changes



Yes, finally all commits are taken care by CI / CD provisioned by AWS.



Once the new commit is deployed the same way the web application is updated with the changes. Code Star will helps the developer to concentrate only on code, integration and deployment are taken care by AWS.

Hope you all uncovering the document accessible and useful.

If you have any demanding question which is mentioned in the document, please feel free to contact us.

Happy Learning

LKM