Introduction

Hello everyone my name is Ahmad for Eduonix and this is DevOps on AWS course introduction.

In this class, you will learn how DevOps environments can be built on top of Amazon AWS cloud services.

You will first have a quick idea about what DevOps is, why it is trending and how it came to existence.

Then you’ll be introduced to cloud computing and how to benefit from the AWS cloud platform.

We will be building a very basic web application on the cloud, utilizing DevOps tools like Ansible and Jenkins, and we’ll also use the tools provided by AWS like CloudFormation, CodeDeploy, and CodePipeline.

By the end of this course, you will be able to deploy applications on AWS instances automatically, and also achieve continuous integration and deployment using DevOps and AWS tools.

The target audiences of this class are Linux system administrators who want to automate their repetitive tasks, and also benefit from hosting their infrastructures on the cloud.

I expect that you’ve written some code before, preferably in Python or PHP, as we are going to use both languages in the class.

I hope you’ll enjoy watching this course as much as I enjoyed teaching it, and see in section one.

Summary

Alright congratulations, you are now capable of deploying applications on AWS cloud in a DevOps environment. Let’s quickly review what’ve been covered in this couse:

1. We started by a brief introduction to cloud computing, its benefits, why you should be using it and why not.
2. Then we began using AWS services to deploy an EC2 instance and deploy a web server on top of it.
3. Later on, we introduced one of the well-known automation tools in AWS, which is CloudFormation. You learned how to use the tool both using the GUI and by uploading a JSON template. We used the Troposphere library to aid us.
4. Following that, we introduced one of the most famous DevOps configuration management tools, which is Ansible. We used Ansible to deploy the webserver automatically using a playbook and also deploy PHP 7 on top of it.
5. Finally, we build a full continuous integration and continuous deployment application lifecycle by using Jenkins, CodeDeploy, and CodePipeline.

And that brought as to the end of the class. I hope by now you have a clear understanding of what DevOps is, what AWS platform offers and how to combine both of them to fit your needs.

I also hope that you enjoyed watching this course, and I am looking forward to seeing you in future courses. Thank you and good luck.