A month we started learning AWS. AWS is going to be your platform. When I say platform you going to use something called OS and about some OS you going to do some automaticity activity. Automation activity is going to be DevOps part. We have learn few of the AWS services for eg, S3,EC2,IAM role. How do you configure

How do you architecture info so load balancer, completed our session now

1. AWS interview questions (more than enough for your basic understanding AWS thing and having 61page of ? You can refer this document learn what is this
2. 2) amazon cert leader aws solution( I have dump which is already created over here. There are the things going to get the? DevOps project . what do you mean by DevOps
3. DevOps is a tool to automate your work flow you need to know what is a work flow and then only you can automate the workflow
4. DevOps
5. Development + operation
6. We have develops to develop a code and then we have different operation team. They are not same stage of work developer develop a code and push it to somewhere

And operation team needs needs to allot dependencies , it going to take huge no of days and time to deliver your product. operation team is not having proper connection with your development team so ,since development and operation team has lost lot of I mean for eg quality team, analysing team I think there are lot of teams available for your project. To avoid human interruption and try to integrate everything in your as a tool instead of having a separate team for a particular testing activity and you can also automate the entire workflow. So when a code has been developed it should be automatically reflect in your platform. Platform is your AWS that is what we are learning today. We are going to use a AWS based tool. Some of them Aware of Azure DevOps. Azure have created own development tools it is going to create and give your workflow. In the same way Aws has created own development tools it is going to create and give your workflow. In the same way Aws has created his own workflow DevOps lifecycle policy and that is called as Aws pipeline. I am going to show you AWS pipeline. Inside the pipeline what you have code code-build-test-release. So if you see in the life cycle. It’s going to create a code and then code is build continuously testing release deploy both are same

Operate-monitor and plan. These are the workflow continuously doing in your DevOps.

Waterflow model and agile module: you can see in this diagram itself. Waterflow module the entire design developed us .for eg some of from your team will work for the customer they will create the entire design us , the developer will code the entire code. My project is having deadline of 60 days or 6 months. So what do you mean by that. So first they will develop the project they have certain time to build the entire project. Once the project is build going to test the project then they are going to deliver the project. In this way, it is not efficient since everything has separate window it is going to be particular amount of time and this is going to be a huge number of time consumption and there wont be any monitoring any deliver directly from developer or your operation team.

Some of them may be available. Sprint they are going to work in a particular amount of time to deliver the initially. So they are going to work in the sprint and going to deliver you

1. deliver
2. enhance

Agile module- some of the organization have still following the entire module for their enhance actually not for delivery. For enhancement of some of the project we are still following the sprint module.

Consider DevOps entire workflow instead of enhancing and planning everything deliver instantly it was DevOps

Project:

Code

Test

Deploy

Everything continuously doing it that is how DevOps is.

periodic table

AWS

AZ GC

IC

OS

EBs ,cloud pipeline, build commit

I have experience with Aws DevOps sources. I have experience with Aws DevOps which is your cloud pipeline integrated in your id.

1st thing I am going to create one project, to deliver it I am creating for one sample project

One new terminology or compute services is elastic beanstalk again going to be compute services and region bases.

Why we are using elastic beanstalk it going to create a dependencies automatically usually elastic beanstalk is been used by DevOps. So instead of creating a workflow, s3,EC2 or I Am role and we are going to configure one infrastructure instead of doing that you can create a elastic beanstalk and elastic beanstalk will create automatically dependencies .Eg s3 buckets, VPC other requirements of your project to create automatically instead of having manual interruption. This is going to be helpful for your developer after Aws engineer will also aware of something called elastic beanstalk separate services efficient with ways to create by your own. I am going to create one infrastructure.

Click create a new environment

I will show you what are the things automatically created

Select environment tier

Web server environment

I am going to launch one web server.

Click select

Application name

Sample

Environment information

Environment name

Prod

Platform

Manager platform

Platform

Choose php

Application code

Sample app is going to have existing code by itself. I am going to use upload code. If you have a code created by developer you can upload it from here

Upload your code

It can be local or it can be s3 bucket can be from any other platform. So I am going to use sample code.

Click create envirionment

If you see here is going to create one environment quickly check what are the things s3 bucket now

Mean time I am going to create a AWS pipeline

Search pipeline

Choose code pipeline

Inside your code pipeline you are going to integrate this thing

Source code commit

These are the workflow entire workflow with the automated like this. 1st one code commit. It can be code commit I am going to use github. I am going to use that code commit as a source code and I am going to call my github account.

Click create pipeline

Pipeline name

My application

Service role

New service role existing service role

Role ARN (…)

Roles are nothing but connection between AWS service

Advance setting

If you have encryption key. You can choose it.

Click next

If you have encryption keys you can choose it

Click next

Source

Nothing but application code. A developer is creating a hundred no of line code that code should be store somewhere that is called source code. You need to call that source code here

Choose github

Change detection options click connect to github

Github webhooks

Processing OAuth request

Confirm

Open this url in github and click fork. This is created by AWS entire was created by AWS itself so use can use this . I am not a developer. So I need to call my repository

Repository

Choose manoj/aws-code

Branch

Master

Click next

Skip build stage (because it going to cost you)

Deploy

I you have a source you have to build eg if your integrated with Jenkins. If your have any of other dependencies you can call this build in your code pipeline that is what going to give you in the code build. Our learning purpose we can skip this steps and we can move further

Once the code is build you need to deploy the code where do you deploy. You deploy in your EBS server

Deploy

Choose Aws elastic beanstalk

Application name

Choose sample

Environment name

Prod

Click next

Click create pipeline

Simple way you can directly create are project. This is going to create a workflow for you my application

Using endpoint you can check the code . it is still deploying. This is how you create a workflow this is similar thing did in your azure pipeline. Azure is going to be something AWS create it s own pipeline I hope you clear now what is DevOps and why we are using DevOps and how do you create one workflow let’s wait still creating. EBS is going to cost you guys. You are creating and deleting as soon as possible completed. So still receiving once that review it completed progress you can release this manually.

If your going to change in your github eg index.html its going to reflect in your browser and if you want to integrate get as a different server. EC2 instances will create automatically that c show you how. See automatically EC2 instances will be created you can login to your instances you can create a one installed git completed and commit the changes it is going to reflect in git hub over here. It going to trigger the pipeline. We have integrated when you remember source code you have connection establish between our using web hooks integrate connection between AWS and server

Deploy is successfully

EBS is my endpoint successfully created code deploy. Your project has been deployed successfully.