Assignment 11 :: Create CICD Pipeline to deploy sample application on EC2 Instance from source code which is stored in GitHub, It should automatically get triggered once source change committed

Step 1 :: Create an IAM role as below

Graphical user interface, text, application, email

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**Note** :: Make a note of ARN which needs to be given during creation of “Deployment Group”

Step 1.1 :: Click on “Trust relationship” tab and edit the trust policy as below

{

"Version": "2012-10-17",

"Statement": [

{

"Sid": "",

"Effect": "Allow",

"Principal": {

"Service": [

"ec2.amazonaws.com",

"codedeploy.amazonaws.com"

]

},

"Action": "sts:AssumeRole"

}

]

}

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Step 2 :: Create an EC2 Instance as below

Note :: Ensure you add the IAM role created in previous step

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Once the instance is UP run the below commands as root user

yum -y update

yum install -y ruby wget

cd /home/ec2-user

wget https://aws-codedeploy-us-east-1.s3.us-east-1.amazonaws.com/latest/install

chmod +x ./install

./install auto

service codedeploy-agent start

Text

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Step 3 :: Create a CICD

Step 3.1 : Goto CodeDeploy in services and click Create Application

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Step 3.2 :: Click on “Create deployment group” in above screen

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Step 3.3 :: Create a Pipeline

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After reviewing the provided details click on “Create Pipeline”

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Result 1 ::

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Result 2 :: Now Do some changes in code

Changed the index.html file. Automatically it got triggered.

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Graphical user interface, application, Teams

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A screenshot of a computer

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Graphical user interface, text, application

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