CICD Advance

We are using github repository as a source. We will create 2 instance one for development and another for production with IAM roles associated to code deploy.  
Create Application and deployment group within CodeDeploy. Next, create the Codepipline.

First, creating IAM role for EC2 instance and CodeDeploy   
  
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We have created 2 instance one for development and another for production. With user data scripts for nginx and codedeploy-agent

User data used while launching instance,  
#!/bin/bash  
sudo yum update -y  
sudo yum install nginx -y  
sudo systemctl start nginx  
sudo systemctl enable nginx  
  
sudo yum install ruby -y  
cd /home/ec2-user  
wget <https://aws-codedeploy-us-east-1.s3.us-east-1.amazonaws.com/latest/install>  
chmod +x ./install  
sudo ./install auto  
sudo systemctl status codedeploy-agent  
sudo systemctl enable codedeploy-agent  
  
  
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Let’s create an application and make a deployment group under CodeDeploy for Development Server.  
  
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Creating development group

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Now creating deployment group for production environment,  
  
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Now lets create CodePipeline,

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We will add manual approval and prod config.

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Development Env

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Production Env

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So, let's commit a change with altering the background color.

Let’s do it Development environment and based on successful deployment we can provide manual approval to proceed with Production environment.

Our pipeline has started,

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Development environment (It has got the changes made)

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Production Environment

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Our pipeline is waiting for Production.

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Once manual approval is provide it will proceed with changes on Production server.  
  
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Now Production environment is successfully deployed.

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