**02. What are we going to learn?**

--- Reference - <https://github.com/stacksimplify/aws-eks-kubernetes-masterclass/tree/master/11-DevOps-with-AWS-Developer-Tools>

--- what we are going to learn, as part of this entire thing.

**Introduction to DevOps**

--- Understand DevOps concepts

1. CI - Continuous Integration
2. CD - Continuous Deployment or Delivery

--- Understand more about AWS Tools that help us to implement DevOps.

1. AWS CodeCommit
2. AWS CodeBuild
3. AWS CodePipeline

**What are we going to learn?**

--- We are going to create a ECR Repository for our Docker Images

--- We are going to create Code Commit Git Repository and check-in our Docker and Kubernetes Manifests

--- We will write a **buildspec.yml** which will eventually build a docker image, push the same to ECR Repository and Deploy the updated k8s Deployment manifest to EKS Cluster.

--- To achieve all this, we need also create or update few roles

1. STS Assume Role: EksCodeBuildKubectlRole
2. Inline Policy: eksdescribe

2. CodeBuild Role: codebuild-eks-devops-cb-for-pipe-service-role

1. ECR Full Access Policy: AmazonEC2ContainerRegistryFullAccess

2. STS Assume Policy: eks-codebuild-sts-assume-role

1. STS Assume Role: EksCodeBuildKubectlRole