CodePipeline

If you are studying for AWS Developer Associate Exam, this guide will help you with quick revision before the exam. it can use as study notes for your preparation.

[Dashboard]   [Other Certification Notes]

CodePipeline

- Continuous delivery
- Visual workflow
- Source: GitHub, CodeCommit, Amazon S3
- Build: CodeBuild, Jenkins, etc…
- Load Testing: 3rd par ty tools
- Deploy: AWS CodeDeploy, Beanstalk, CloudFormation, ECS…
- Made of stages:
  - Each stage can have sequential actions and / or parallel actions
  - Stages examples: Build, Test, Deploy, Load Test, etc…
  - Manual approval can be defined at any stage

CodePipeline Artifacts

- Each pipeline stage can create "artifacts"
- **Artifacts** are Amazon S3 buckets that CodePipeline uses to store artifacts used by pipelines. When you first use the CodePipeline console in a region to create a pipeline, CodePipeline automatically generates this S3 bucket in the AWS region

Troubleshooting

- CodePipeline state changes happen in **AWS CloudWatch Events**, which can in return create SNS notifications.
- Ex: we can create events for failed pipelines • Ex: you can create events for cancelled stages
- If CodePipeline fails a stage, your pipeline stops and you can get information in the console
- AWS CloudTrail can be used to audit AWS API calls
- If Pipeline can't perform an action, make sure the "IAM Service Role" attached does have enough permissions (IAM Policy)

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