Day 9 CI/CD using Azure Devops

-Devops Daily Dose

--Sachin Vastrad

CI-CD Strategy

◈ Code Repository

  ◈ Branches

    ◈ Master

      ◈ Features

◈ Triggers   -->   Action

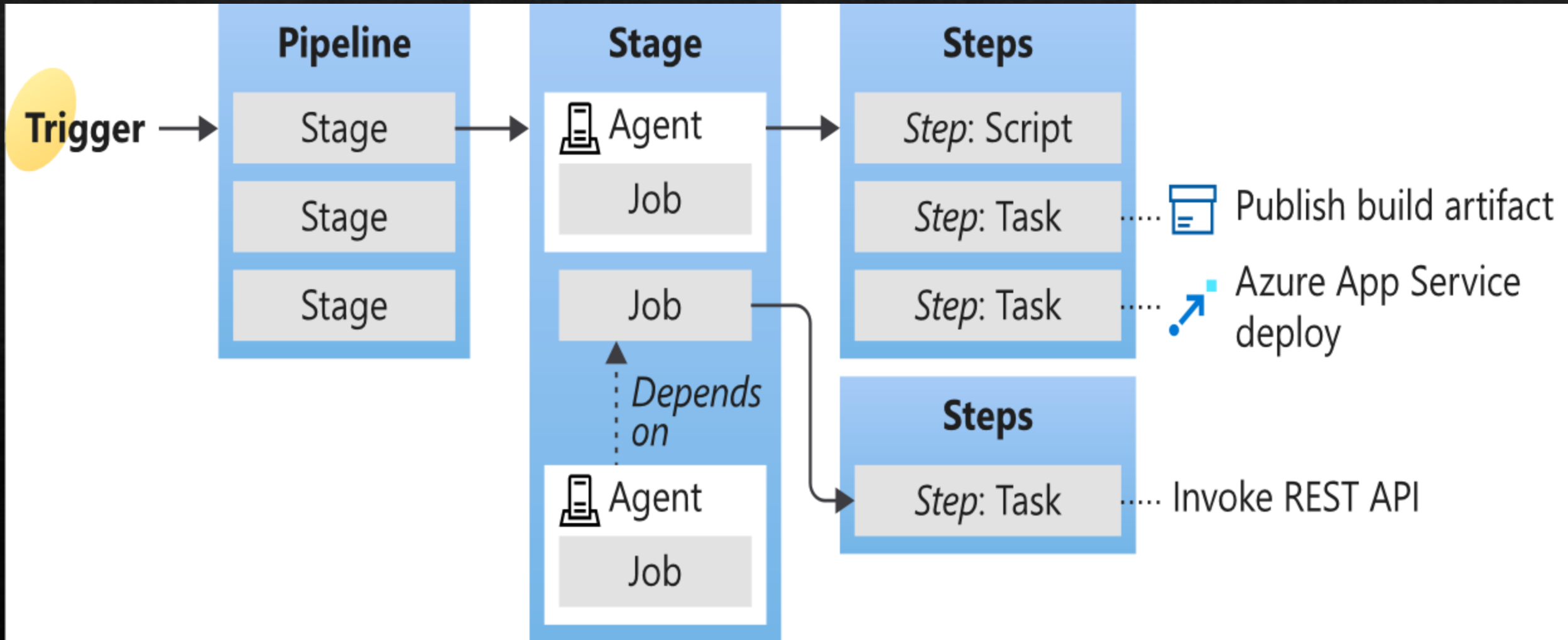 ◈ On PR Merge Master -->   Build , UT, Static Code Analysis, Version Bump ,Artifact to Image Repo

  ◈ On PR Feature Branch -->   Build , UT, Static Code Analysis.

Deployment on Environment

Dev/Test → UAT → STAGE → PROD

AZURE DevOps Pipeline

Key Concepts

◈ A trigger tells a Pipeline to run.

◈ A pipeline is made up of one or more stages. A pipeline can deploy to one or more environments.

◈ A stage is a way of organizing jobs in a pipeline and each stage can have one or more jobs.

◈ Each job runs on one agent. A job can also be agentless.

◈ Each agent runs a job that contains one or more steps.

◈ A step can be a task or script and is the smallest building block of a pipeline.

◈ A task is a pre-packaged script that performs an action, such as invoking a REST API or publishing a build artifact.

◈ An artifact is a collection of files or packages published by a run.

What all You Learnt

- ◈ Triggers
- ◈ Stages
- ◈ Jobs
- ◈ Steps
- ◈ Scripts
- ◈ Tasks

Thank You