

DEVLERAZUREDA - DevOps Academy

05. Create a release pipeline in Azure

Pipelines

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Github – DevOps Academy

<https://github.com/msdevopsacademy/>

Repo:

05-create-a-release-pipeline-in-azure-pipelines

Learning objectives

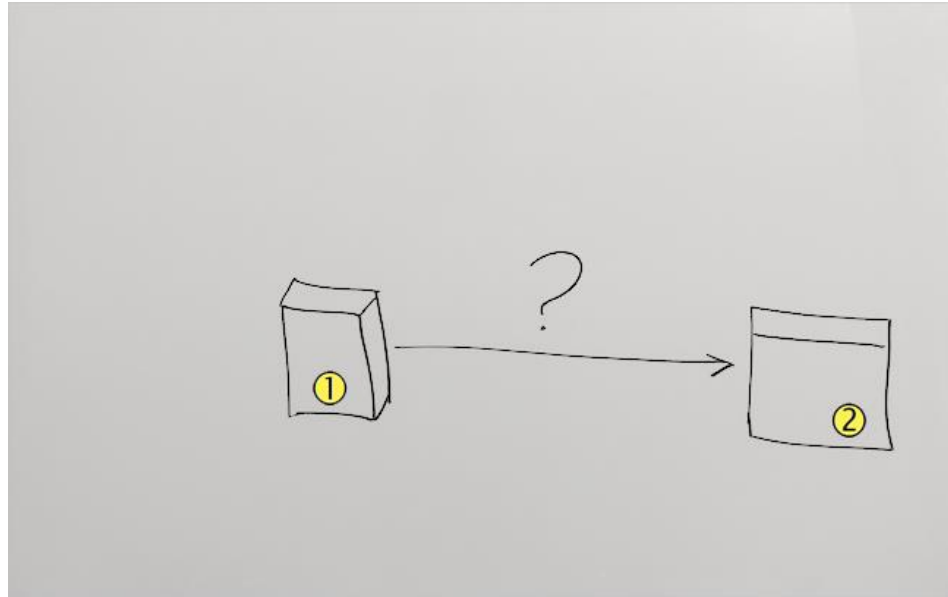
- Learn what continuous delivery is, why it's important, and what tools you can use.
- Create a basic release pipeline that deploys a web application to Azure App Service.
- Examine pipeline analytics to understand the health and history of your releases.

What is continuous delivery?

CD by itself is a set of processes, tools, and techniques that enable rapid, reliable, and continuous delivery of software.

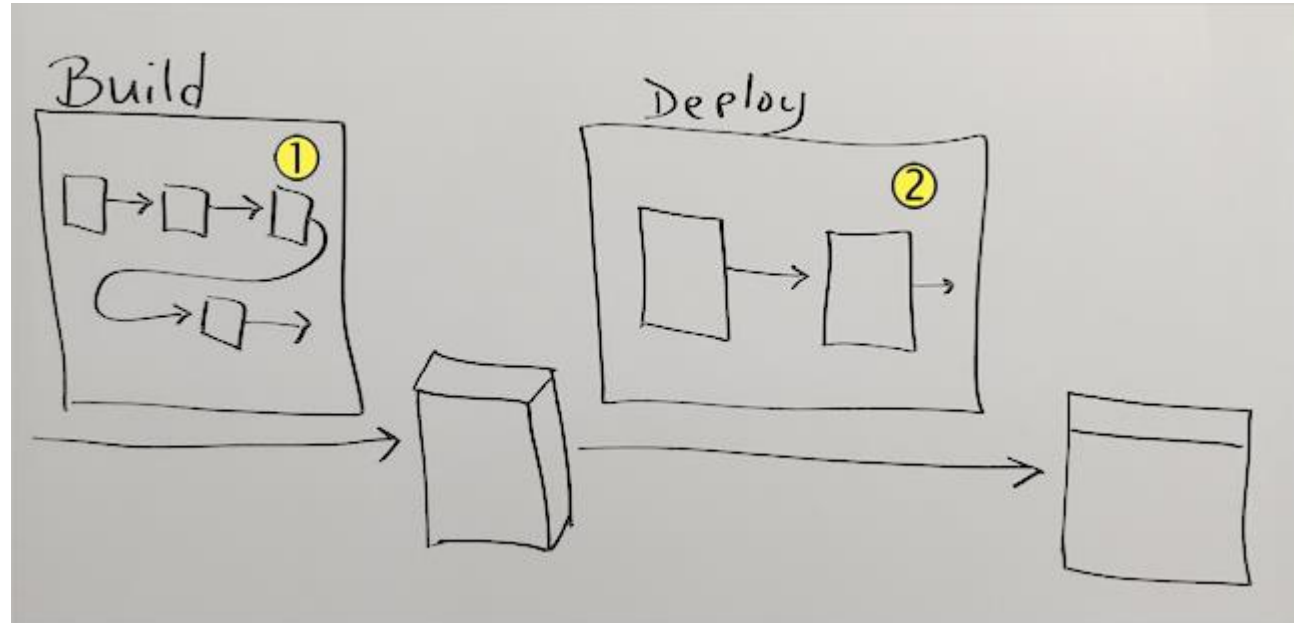
- We automate as much as possible.
- We keep everything in source control.
- We all agree that done means released.
- We build quality into the process. Quality is never an afterthought.
- We're all responsible for the release process. We no longer work in silos.
- We always try to improve.

What are the parts of a basic CD pipeline?



(1) Build artifact. It's the *.zip* file that our existing build pipeline creates. But how do we deploy it to a (2) live environment

What is a pipeline stage?

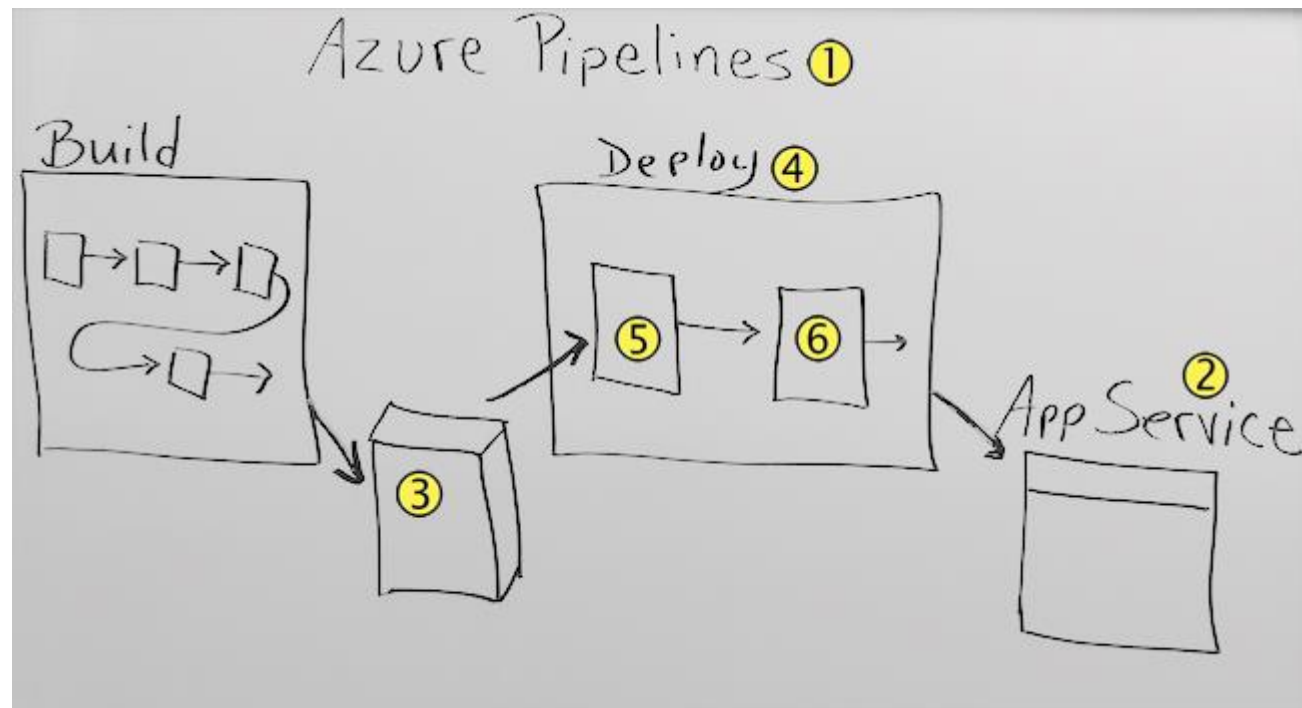


(1) build stage in our pipeline. Our (2) deployment stage can be similar, including tasks that deploy the build to an environment.

What is an environment?

- A physical machine or virtual machine (VM).
- A containerized environment, such as Kubernetes.
- A managed service, such as Azure App Service.
- A serverless environment, such as Azure Functions.

The plan



Demo

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