Using Azure DevOps

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Overview

IaC fundamentals

Source control and automation

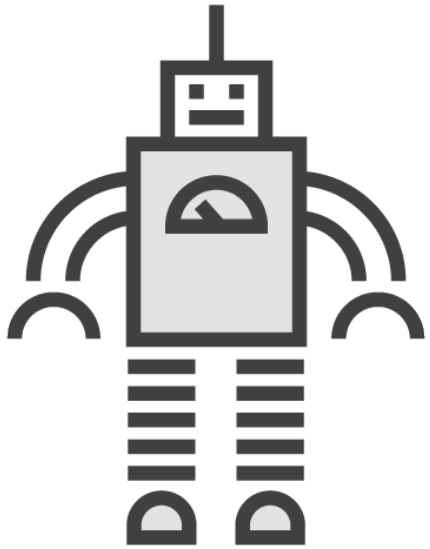
Adopting Azure DevOps

Infrastructure as Code Fundamentals

Software defined

Reusable and repeatable

Source control



Automation

Source Control Management

Multiple formats

- Git, TFVC, Subversion

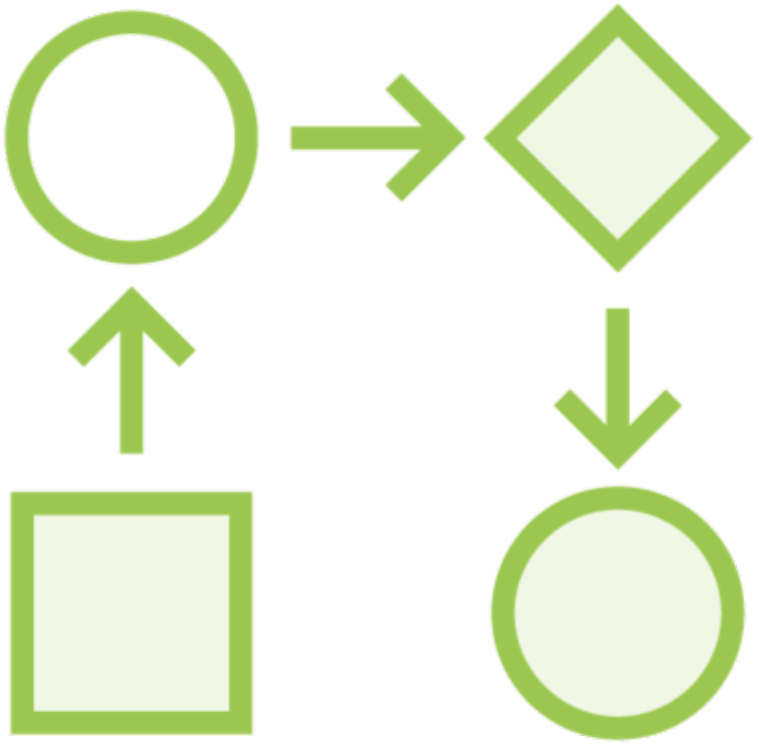
Multiple platforms

- GitHub, BitBucket, GitLab, Azure DevOps

Enable collaboration

Version controlled

CI/CD Pipelines



Multiple platforms

- Jenkins, Azure DevOps, Bamboo

Continuous Integration for code check-in

Continuous Delivery of builds

Automated testing and validation

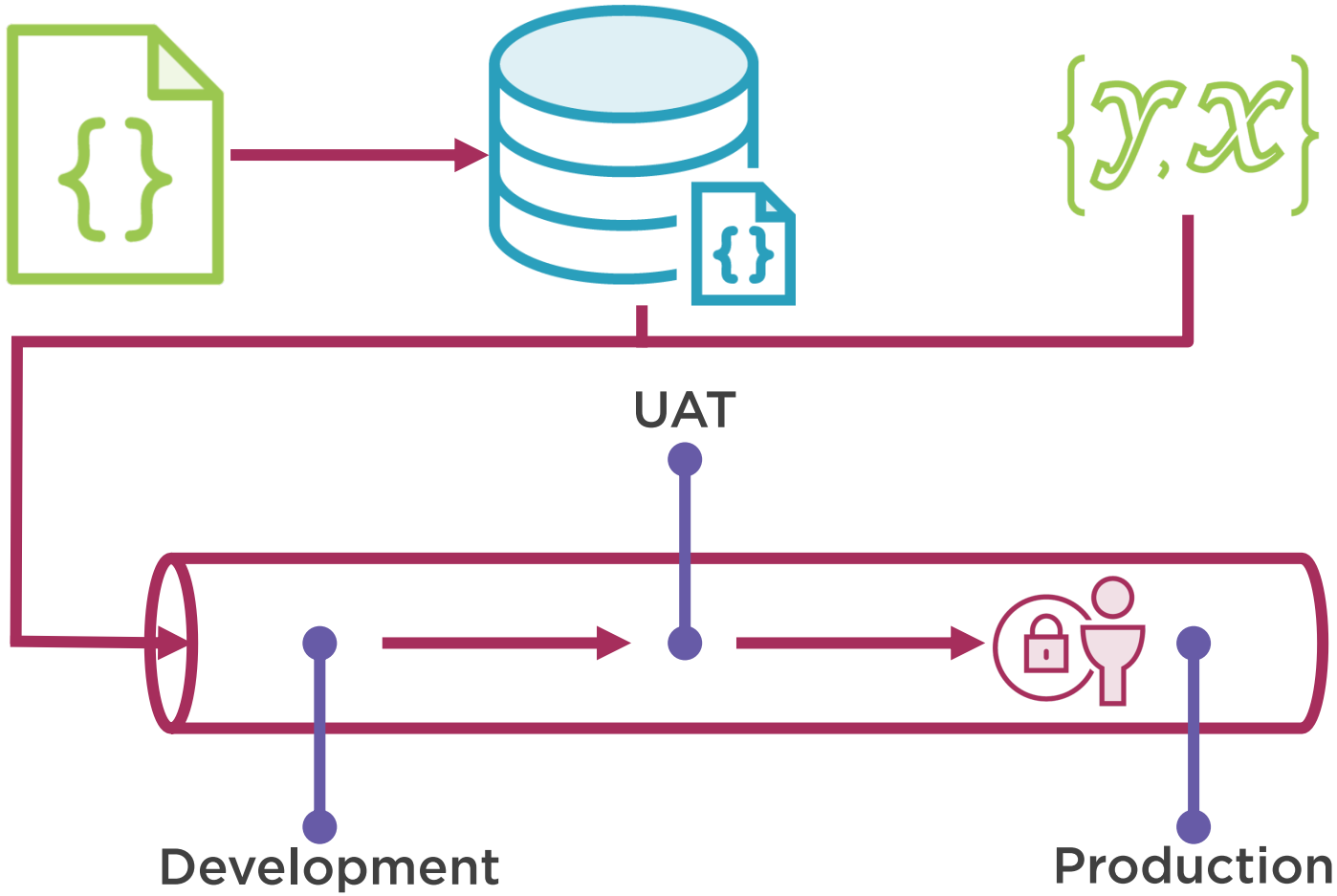
Multiple environments

- Development, UAT, QA, Production

Terraform Workspaces

- Common configuration
- Individual state files
- Multiple environments
- terraform.workspace

Adopting Azure DevOps



Summary

Use source control

Automate your deployments

Add testing for infrastructure

Coming up:

- Build on your infrastructure
- Using custom resources