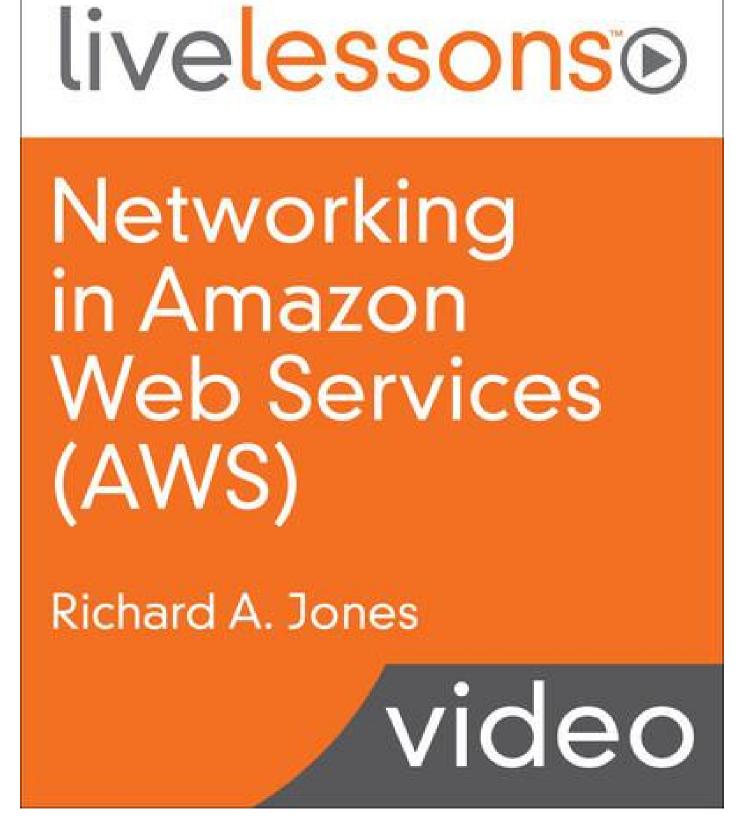


#### Resources











Ultimate AWS Certified Solutions Architect Associate SAA-C03 Stephane Maarek | AWS Certified Cloud...

**4.7** ★★★★★ (174,953)

27 total hours · 388 lectures · All Levels

## **DevOps Core Values:**

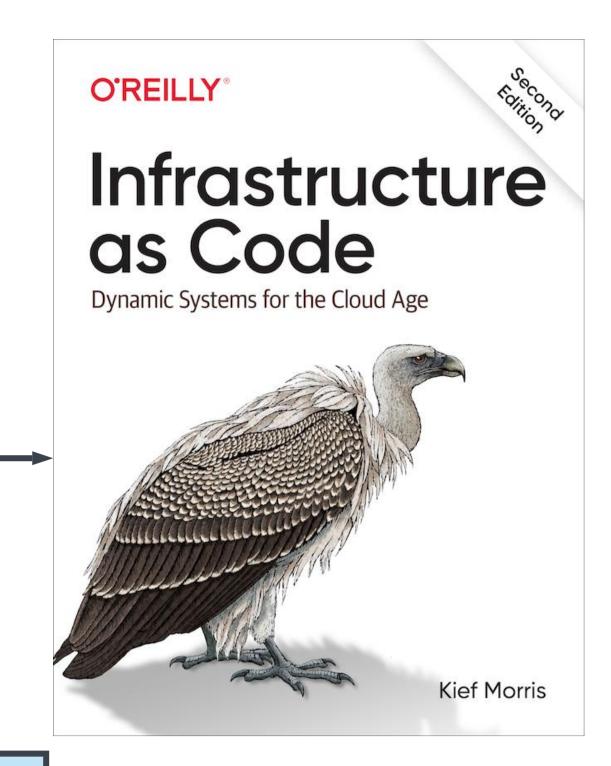
Culture Automation Measurement Sharing

Refer to the cloud-native landscape for more..

.cncf.io v20200507



In order to achieve faster and efficient delivery of software, it's important to automate as much of the software delivery process as possible, this translates to building your infrastructure as code (laC)



4 broad Categories of IAC tools:

Server templating tools Orchestration tools Provisioning tools

CI/CD tools implemented as pipeline-as-code (PaC)

SERVER TEMPLATING TOOLS

#### ORCHESTRATION TOOLS

### PROVISIONING TOOLS

# CI/CD TOOLS

#### VIRTUALIZATION



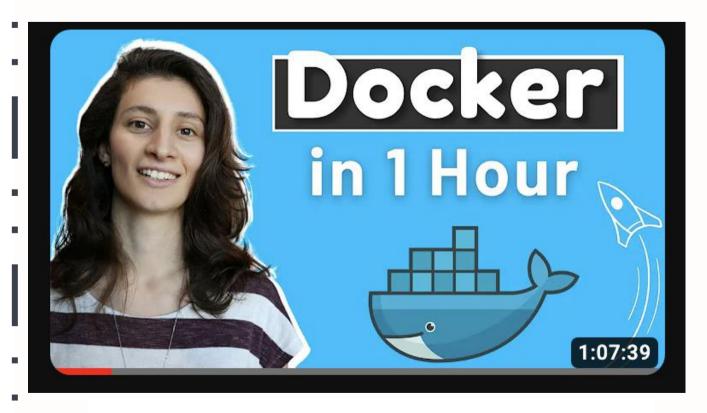
**CONTAINERS** 





VIRTUAL MACHINE (VM) (VMWARE, EC2)



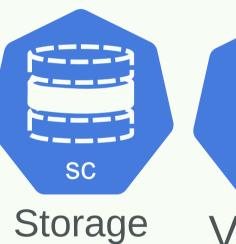




**Docker Mastery: with Kubernetes** +Swarm from a Docker Captain

Bret Fisher, Docker Captain Program **4.7** ★★★★ (58,462) 21.5 total hours · 209 lectures · All Levels





Class

Volume



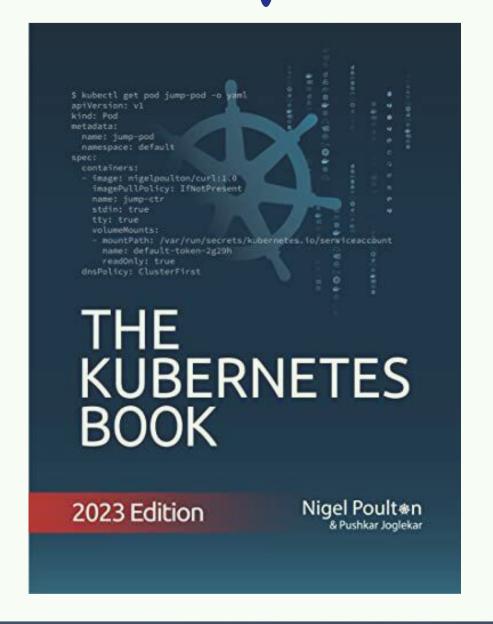




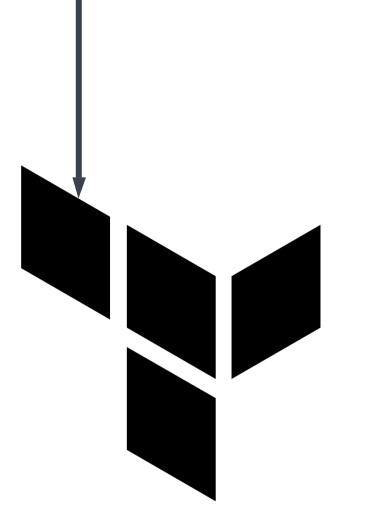


Ingress







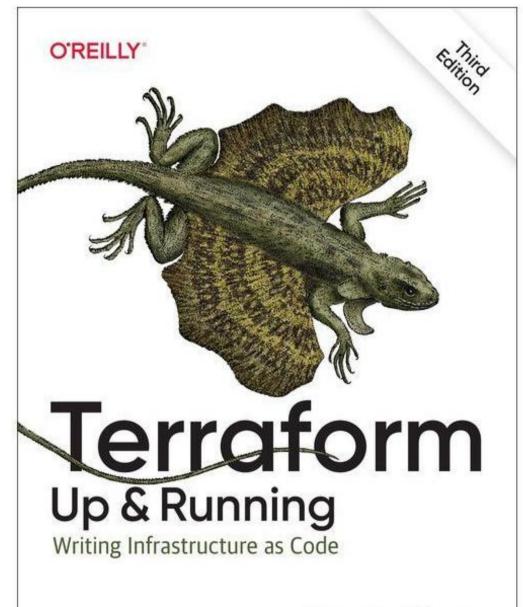


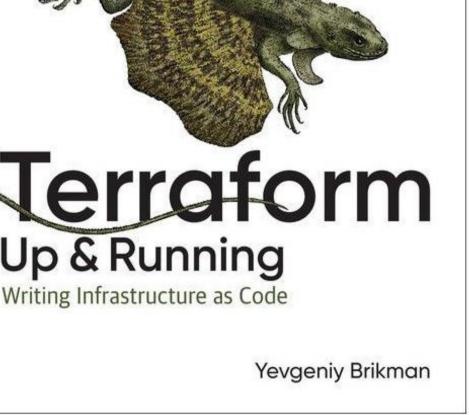
Terraform

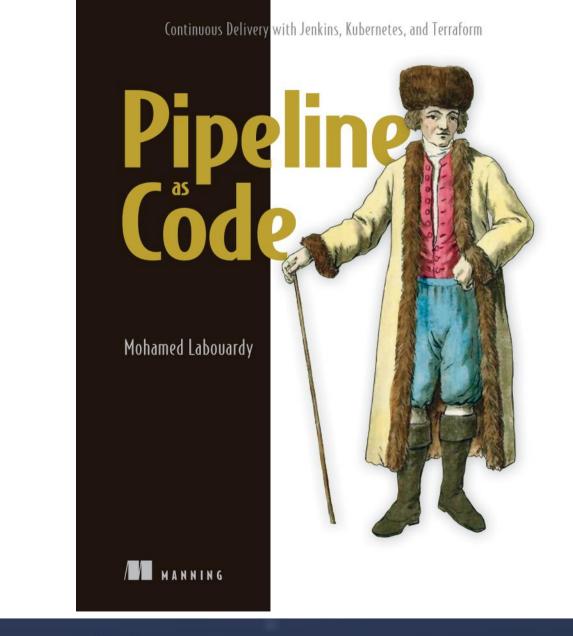
Continuous integration, often abbreviated as CI, is the practice of integrating code changes as regularly as possible. Cl is a prerequisite for continuous delivery (CD). Traditionally, the CI process begins when code changes are committed to a source control system (Git, Mercurial, or Subversion) and ends with a tested artifact ready to be consumed by a CD system.

Continuous delivery, often abbreviated as CD, is a set of practices in which code changes are automatically deployed into an acceptance environment (or, in the case of continuous deployment, into production). CD crucially includes procedures to ensure that software is adequately tested before deployment and provides a way to rollback changes if deemed necessary. Continuous integration (CI) is the first step towards continuous delivery (i.e., changes have to merge cleanly before being tested and deployed).

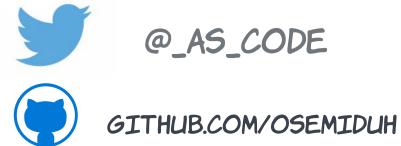
Jenkins 😲







Adopt continous learning principles. Read Documentations...You won't die!





Get started with the most popular CI/CD tool 4.8 ★ ★ ★ ↑ HOW STUDENTS RATE KODEKLOUD 1000000+ STUDENTS Taught by: Michael Levan, DevOps Researcher, Advisor, & Consultant