DataStax

Database Administrators, Your Skills Are Needed in the Cloud-Native Future

Patrick McFadin, DataStax

May 13, 2021

Hello Database Administrators

ORACLE

MySQL®

cassandra

Times Are Changing

-0.7%

DBA Job Title Growth

Source: LinkedIn 2021-04-11

15%

Database Administration Skill Growth

Source: LinkedIn 2021-04-11

14%

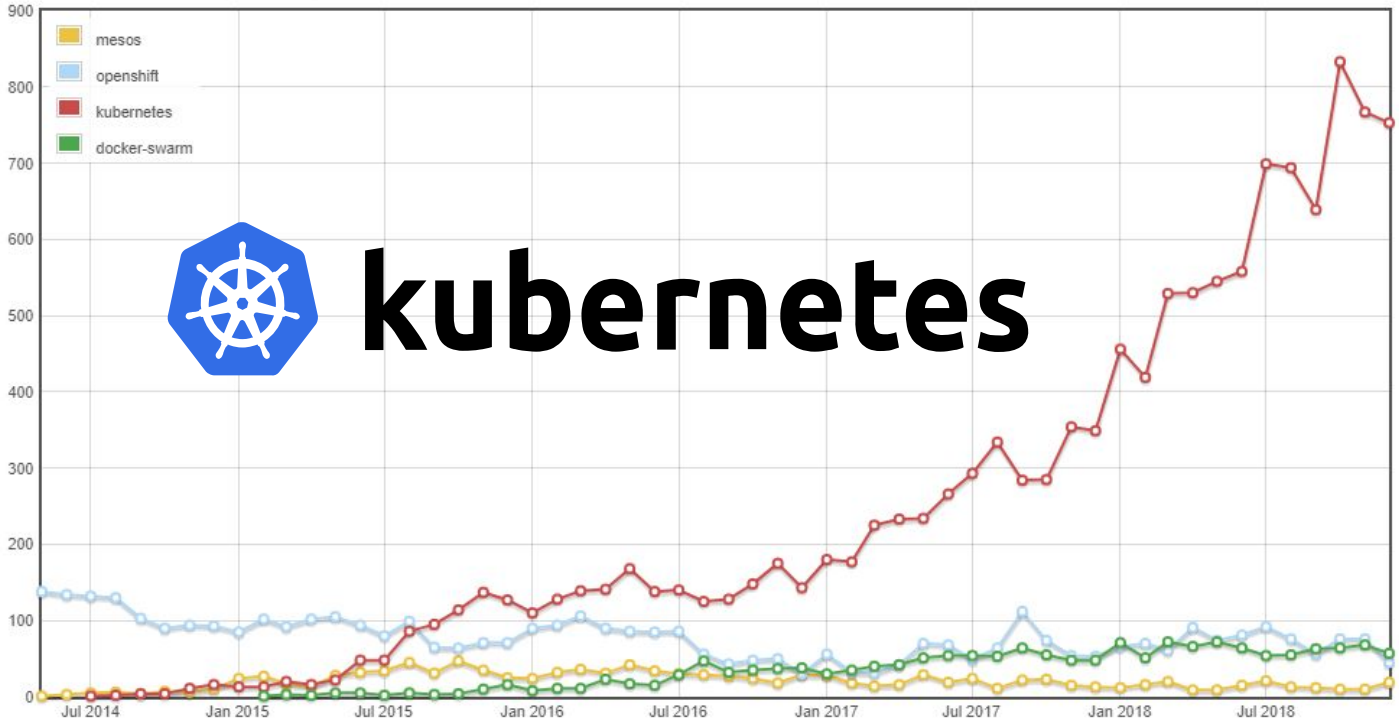
SRE Title Growth

Source: LinkedIn 2021-04-11

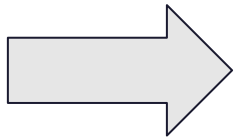
74%

Site Reliability Engineering Skill Growth

Source: LinkedIn 2021-04-11


mesos
openshift
kubernetes
docker-swarm
900
800
700
600
500
400
300
200
100
0
Jul 2014
Jan 2015
Jul 2015
Jan 2016
Jul 2016
Jan 2017
Jul 2017
Jan 2018
Jul 2018

kubernetes

Specialization  Generalization

Build Your Skills

SRE teams are responsible for how code is deployed, configured, and monitored, as well as the availability, latency, change management, emergency response, and capacity management of services in production.

Source: https://www.redhat.com/en/topics/devops/what-is-sre

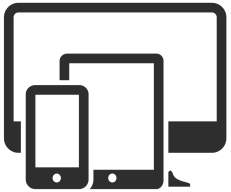
availability

latency

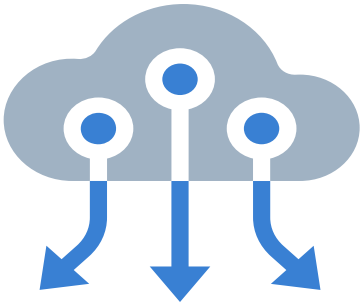
change management

emergency response

capacity management



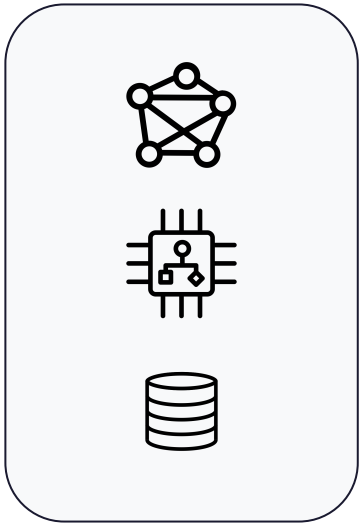
Web and Mobile



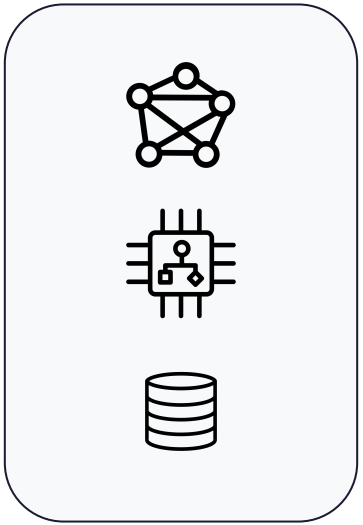
Microservices

IOT

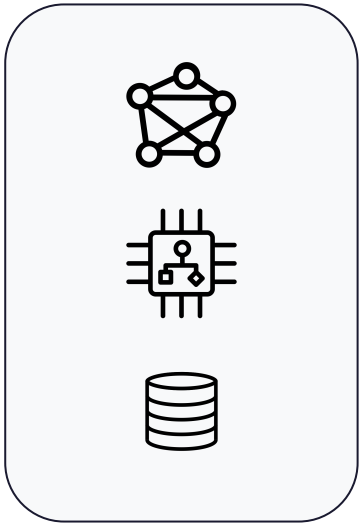
Single Server



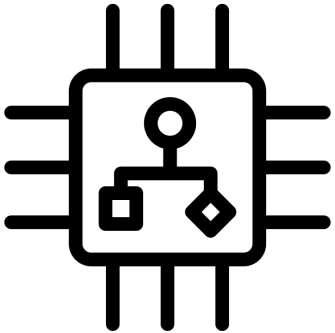
Virtual Machines

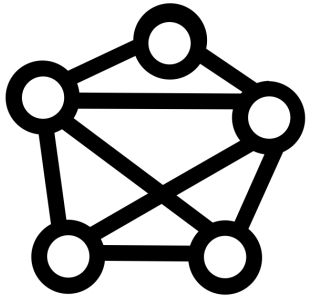


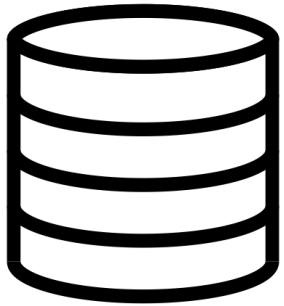
Virtual Datacenter



Resource Management





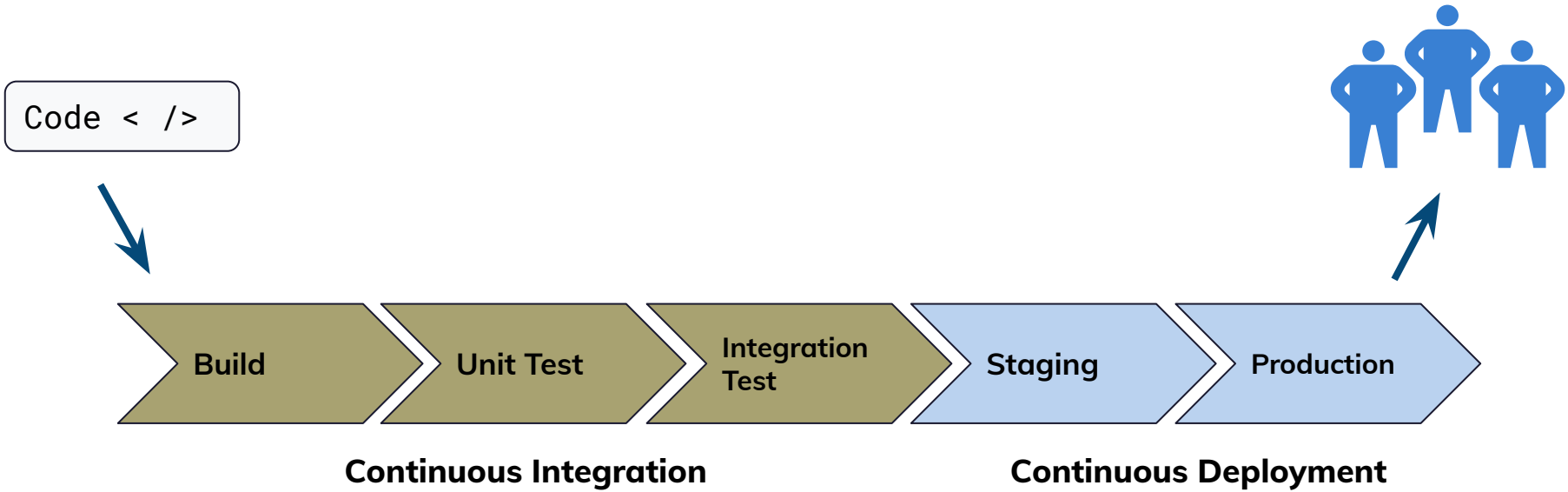


Icons by Srinivas Agra, Agni and Christina Barysheva from the Noun Project

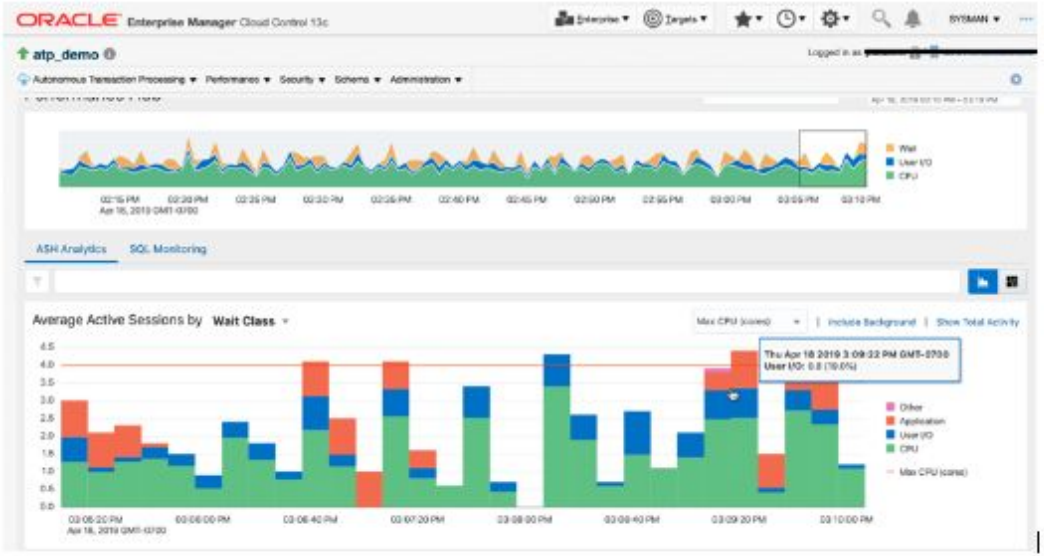
New Skills

responsible for how code is deployed, configured, and monitored

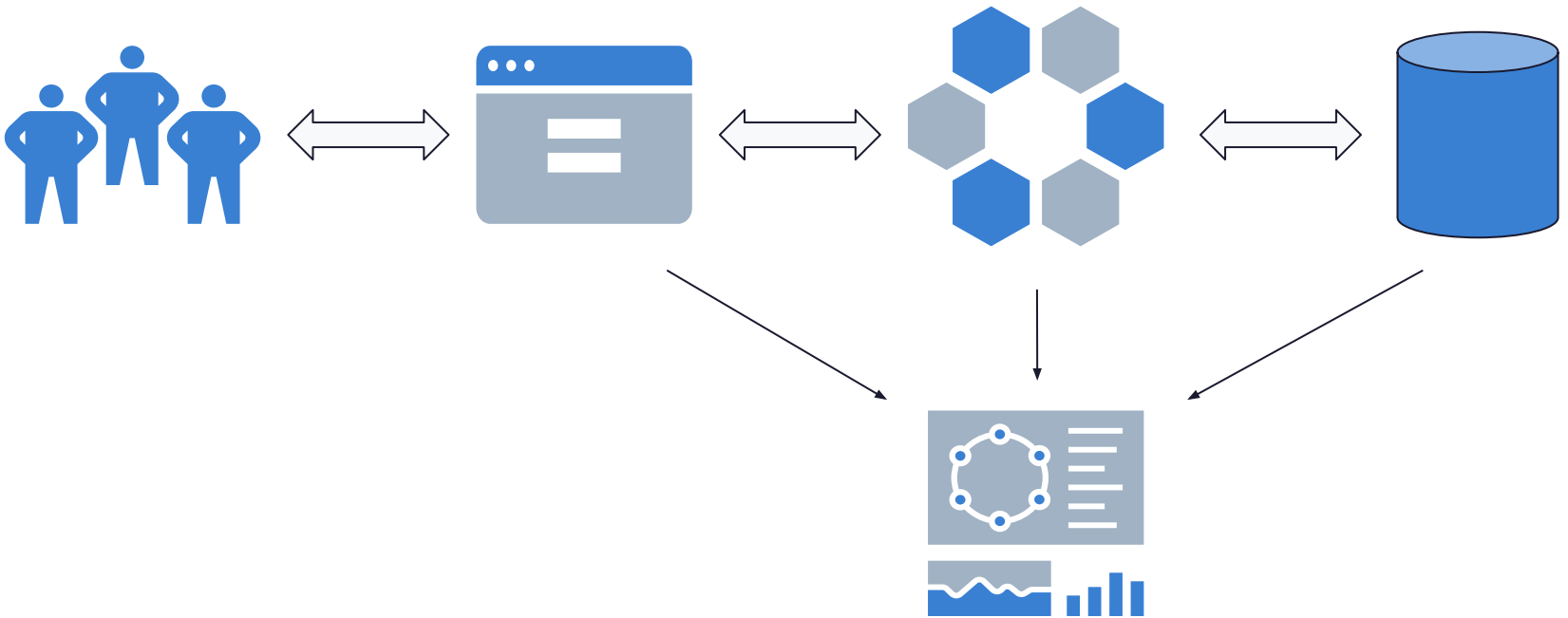
CI/CD Pipelines



Observability



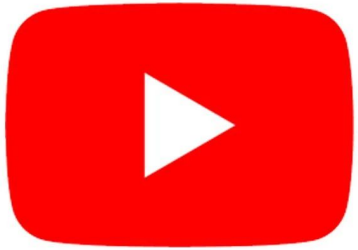
Observability



Know The Code

Where Next?

CLOUD NATIVE
COMPUTING FOUNDATION



YouTube

DoKc

https://dok.community/

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Thank You!