

WEB APP ON KUBERNETES CLUSTER



kubernetes

SCENARIO

- Multi Tier Web Application Stack
- Containerized
- Tested it
- Want to host for Production

REQUIRMENT

- HIGH AVAILABLITY
- FAULT TOLERANCE
- EASILY SCALABLE
- PLATFORM INDEPENDENT
- PORTABLE & FLEXIBLE

A low-angle, upward-looking perspective of several modern skyscrapers reaching towards a bright blue sky filled with soft, white clouds. The buildings are constructed from glass and steel, with their facades reflecting the sky. The perspective creates a sense of height and scale. Overlaid on this image are semi-transparent geometric shapes in shades of teal and blue, which serve as a background for the text.

CONTAINER ORCHESTRATION

KUBERNETES

CLUSTER

STATISTICS

Containerization Statistics

A circular progress indicator with a cyan border, showing 77% completion. The percentage is displayed in large white text in the center of a grey circle.

77%

Containers
on
Kubernetes

A circular progress indicator with a cyan border, showing 89% completion. The percentage is displayed in large white text in the center of a grey circle.

89%

If redshift & Rancher
included

A circular progress indicator with a cyan border, showing 56% completion. The percentage is displayed in large white text in the center of a grey circle.

56%

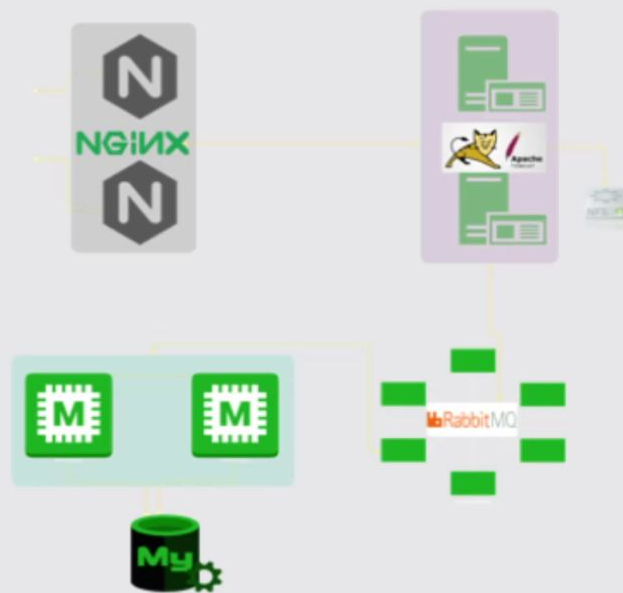
Orgs will
Increase usage
in 12 months

A circular progress indicator with a cyan border, showing 28% completion. The percentage is displayed in large white text in the center of a grey circle.

28%

growth in prod
containers

TECHNOLOGIES



JAVA STACK

VPROFILE

Application Services

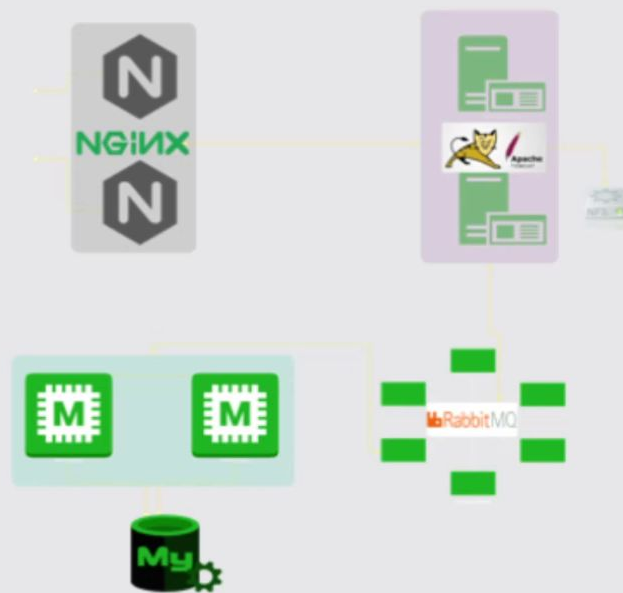
TECHNOLOGIES

KUBERNETES CLUSTER

CONTAINER
ORCHESTRATION
TOOL



kubernetes



JAVA STACK

VPROFILE
Application Services

STEPS

- Kubernetes cluster
- Containerized apps (vprofile)
- Create EBS volume for DB Pod
- LABEL Node with zones names

STEPS

- Kubernetes Definition files for
- Deployment
Service
Secret
Volume