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#GITOPS #LOWTOUCH #APPZ #KUBERNETES

REDUCING CLOUD COST USING KUBERNETES

WEBINAR FOR
C-LEVEL EXECUTIVES & TECH LEADS
ON A NEW CLOUD COST REDUCTION METHOD

MAXIMA | CLOUDCONTROL

WHAT IS KUBERNETES?



Kubernetes is an open-source container orchestration system for automating software deployment, scaling, and management. Google originally designed Kubernetes, made it open-source, and currently Cloud Native Computing Foundation maintains the project.

- WIKIPEDIA

WHY KUBERNETES?

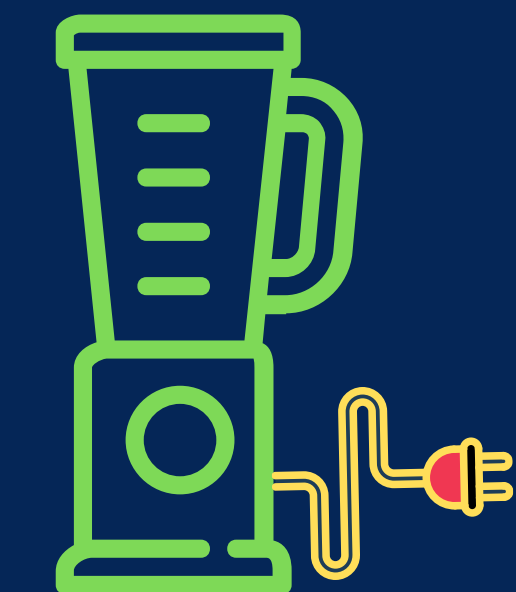


**VIRTUAL
MACHINES**



**CONTAINERS +
KUBERNETES**

MULTI-CLOUD READY



**YOUR
APPLICATION**

AWS



AZURE



GCP



NUTANIX



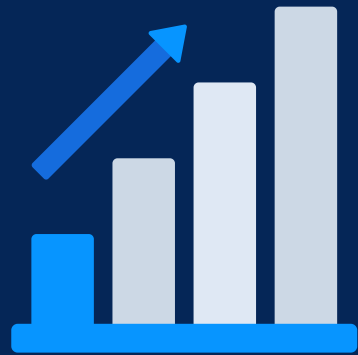
VMWARE



OPENSIFT

**IMPLEMENT AN
APPLICATION-CENTRIC
AUTOMATION PIPELINE
WITH
OBSERVABILITY**

BENEFITS OF KUBERNETES



Increase Agility

- **FASTER DEPLOYMENTS, UPDATES & PATCHES**
- **DEPLOY IN SECONDS/MINUTES**
- **LEVERAGE GITOPS**
- **ABSTRACTS INFRASTRUCTURE**
- **DECLARATIVE**



Reduce Risk

- **REDUCE SECURITY, RESILIENCY & OPERATIONAL RISKS**
- **RISK MITIGATED CONFIGURATIONS**
- **HARDENED IMAGES**
- **ZERO PRIVILEGED ACCESS**
- **ENTERPRISE-GRADE CONTROLS**



Reduce Cost

- **REDUCE STAFF, CLOUD, NETWORK, SOFTWARE & OPERATIONAL COSTS**
- **REDUCE WHITESPACE BY 80-90%**
- **SELF HEALING + AUTOSCALING**
- **AUTO PATCHING/UPGRADING**
- **STANDARDIZE OBSERVABILITY & AUDITABILITY**

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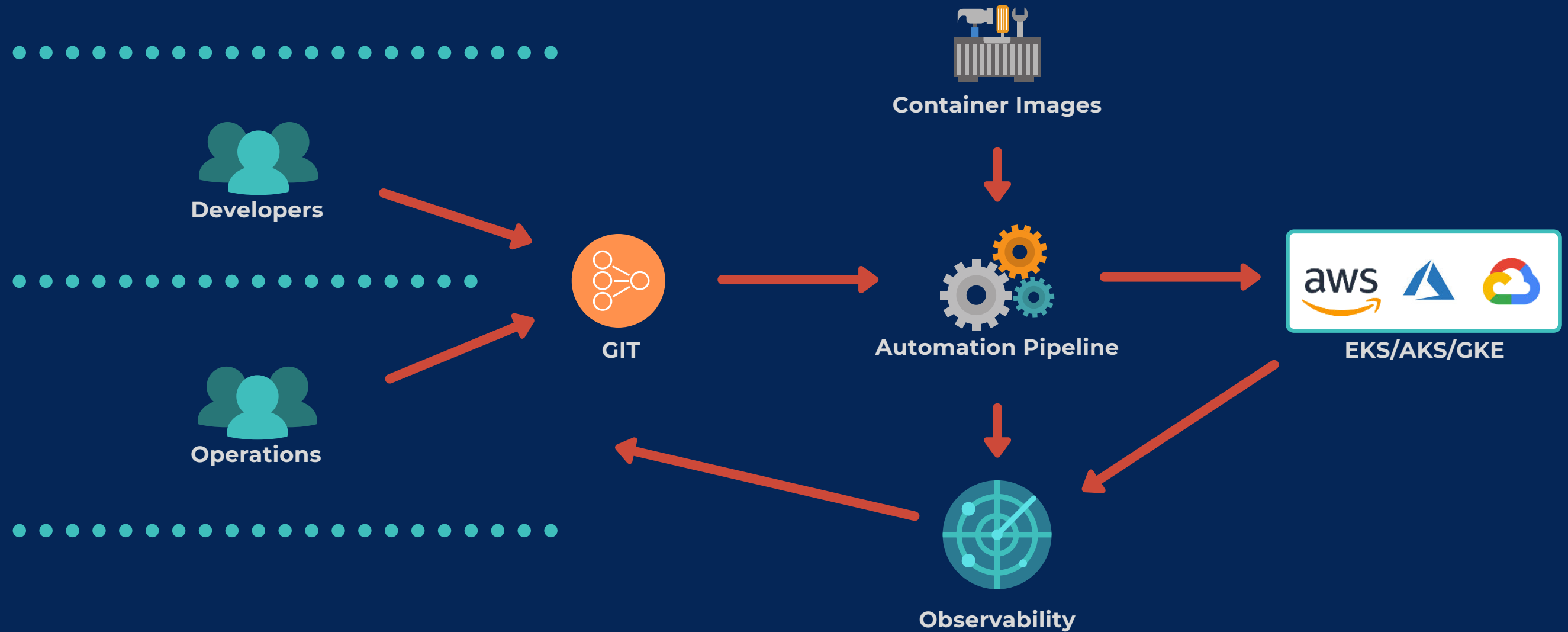
5x

CLOUD ADOPTION SPEED

30%

LOWER CLOUD TCO

HOW TO LEVERAGE KUBERNETES?

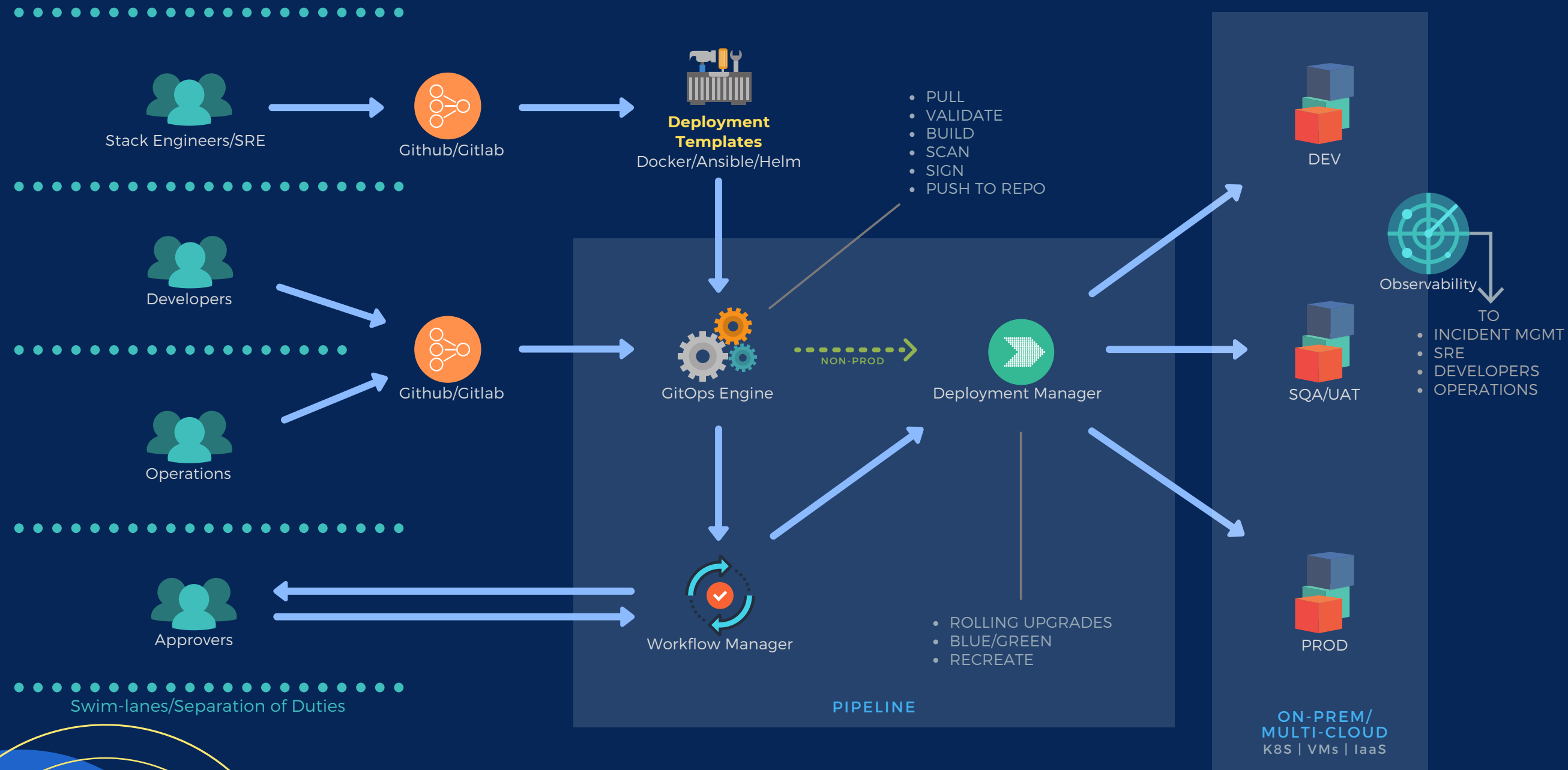


KEY CHALLENGES



- **Finding & Managing Container Images**
- **Hardening the container images & configuration**
- **Building an automation pipeline to containerize your applications**
- **Migrating legacy applications**
- **Finding the right talent to align with your goals and timeline**
- **Having the right security posture**
- **Managing the network complexity**
- **Organizing data**
- **Achieving high availability & disaster recovery**
- **Identifying the right tools**
- **Implementing adequate controls**

REFERENCE IMPLEMENTATION



THANK YOU

Learn more about **our Managed Services on Kubernetes**

<http://lowtouch.cloud>

