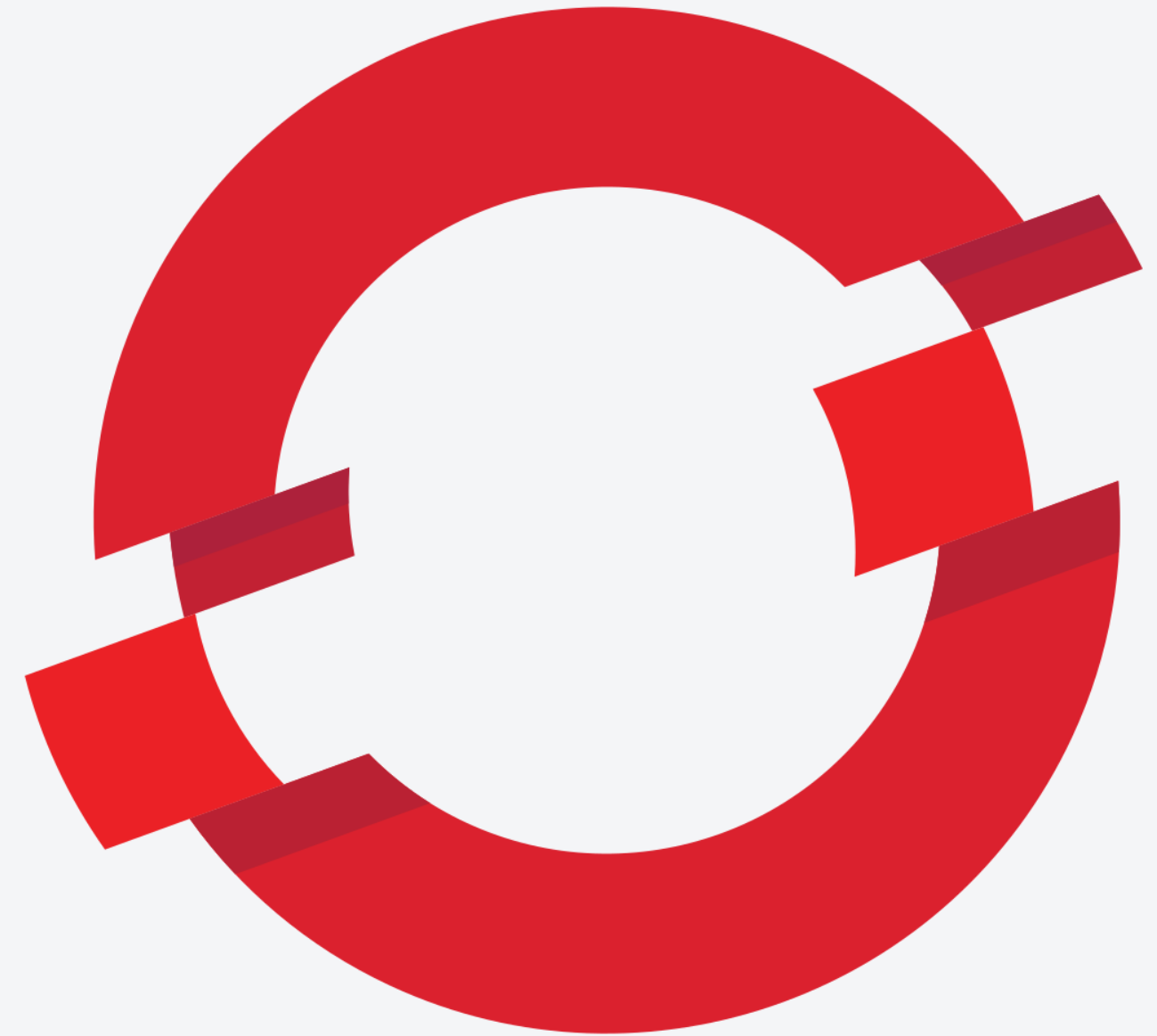


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OPENSIFT



The smarter Kubernetes platform

Kubernetes is an open-source system for automating deployment, operations and scaling of containerized applications across multiple hosts.



Kubernetes **does a lot**

ORCHESTRATION

DEPLOYMENT

DISCOVERY

HEALTH MONITORING

(SOME) SECURITY

STORAGE PLUGINS

NETWORKING PLUGINS

SCHEDULING

SCALING

SERVICE LOAD BALANCING

But Kubernetes **done right** is hard

INSTALL

- Templating
- Validation
- OS Setup
- Provision infrastructure

DEPLOY

- Identity & Security access
- App monitoring & Alerts
- Storage & Persistence
- Egress, Ingress & Integration
- Host container images
- Build/Deploy methodology

HARDEN

- Platform monitoring & Alerts
- Metering & Chargeback
- Platform security hardening
- Image hardening
- Security certifications
- Network policy
- Disaster recovery
- Resource segmentation

OPERATE

- OS Upgrade & Patch
- Platform upgrade & Patch
- Image upgrade & Patch
- App upgrade & Patch
- Security patches
- Continuous security scanning
- Multi-environment rollout
- Enterprise container registry
- Cluster & App elasticity
- Monitor, Alert, Remediate
- Log aggregation

The Kubernetes news you don't want



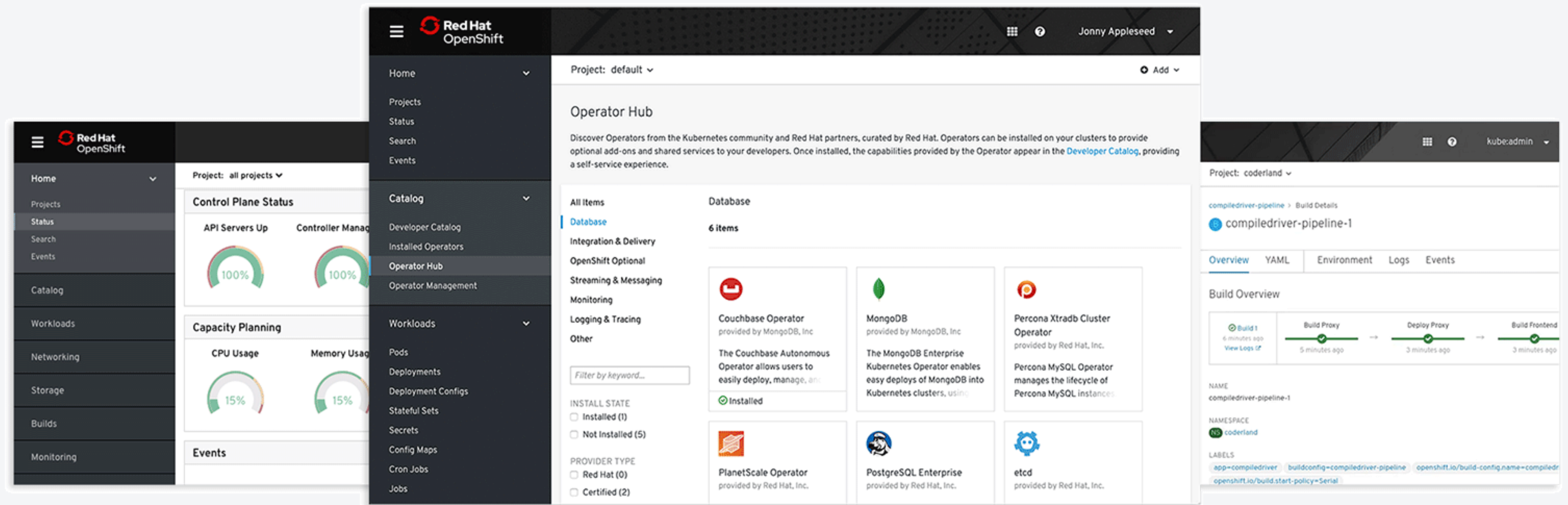
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Kubernetes does not do everything

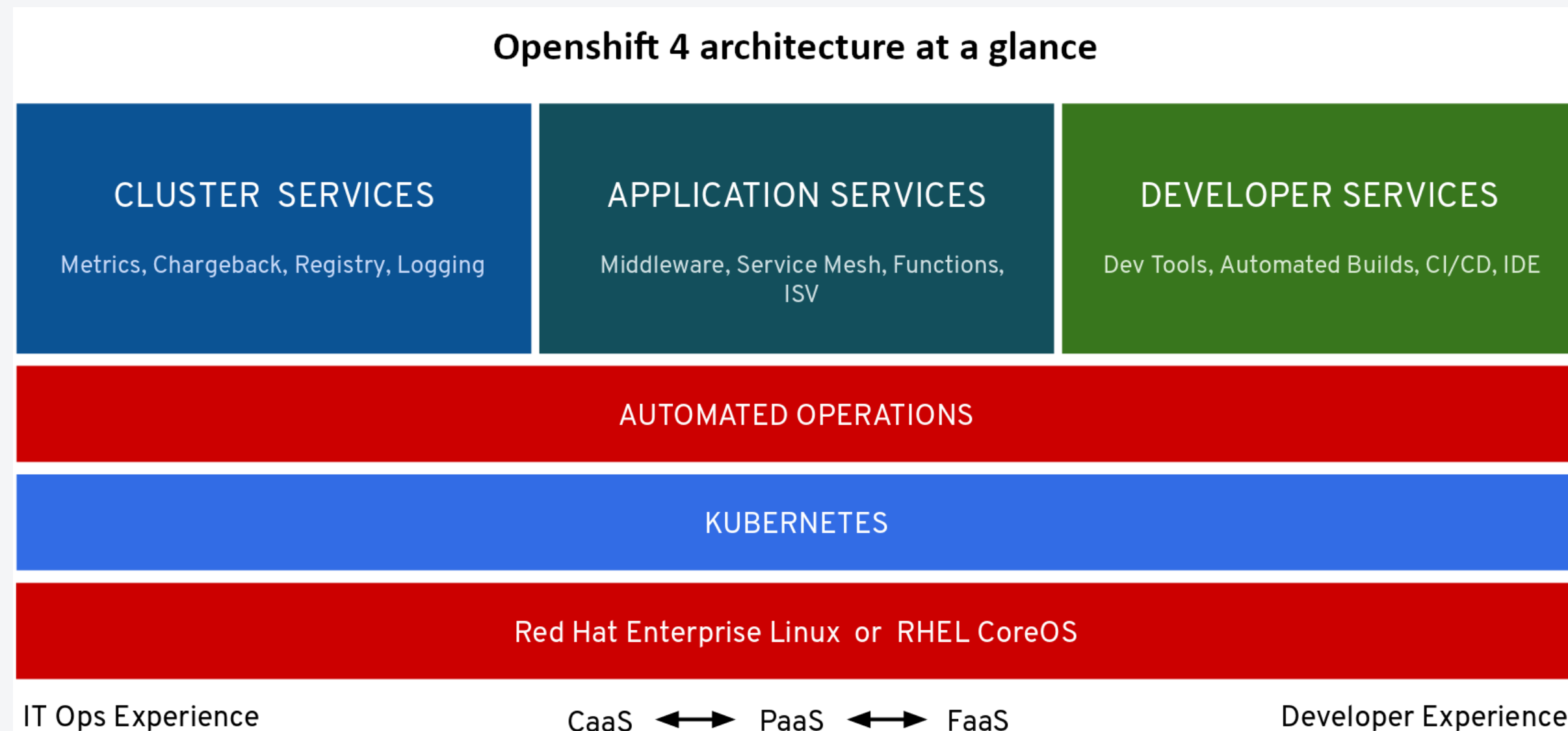
MULTI-TENANCY	METRICS & LOGGING	APP LIFECYCLE MANAGEMENT
SELF-SERVICE	APPLICATION SERVICES	NETWORKING
IMAGE REGISTRY	TEAMS & COLLABORATION	CHARGEBACK
ROUTING & LOAD BALANCING	QUOTA MANAGEMENT	DYNAMIC STORAGE
CI/CD PIPELINES	IMAGE BUILD AUTOMATION	INFRASTRUCTURE VISIBILITY
ROLE-BASED AUTHORIZATION	CONTAINER ISOLATION	EASE OF USE
VULNERABILITY SCANNING	CAPACITY MANAGEMENT	INFRASTRUCTURE AGNOSTICITY

OpenShift to the rescue...



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OpenShift 4.x architecture



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Automated container operations

Fully automated "day-1" and "day-2" operations

INSTALL

DEPLOY

HARDEN

OPERATE

AUTOMATED OPERATIONS

- Infra provisioning
- Embedded OS

- Full-stack deployment
- On-premises & cloud
- Unified experience

- Secure defaults
- Network isolation
- Audit & Logs
- Signing & Policies

- Multi-cluster aware
- Monitoring & Alerts
- Full-stack patch & upgrade
- Zero downtime upgrade
- Vulnerability scanning



Red Hat CodeReady Containers

OPENSIFT ON YOUR LAPTOP

CodeReady containers gets you up and running with an OpenShift cluster on your local machine in minutes.



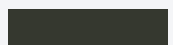
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LET'S PRAY



TO THE DEMO GODS

memegenerator.net



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THANK YOU

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