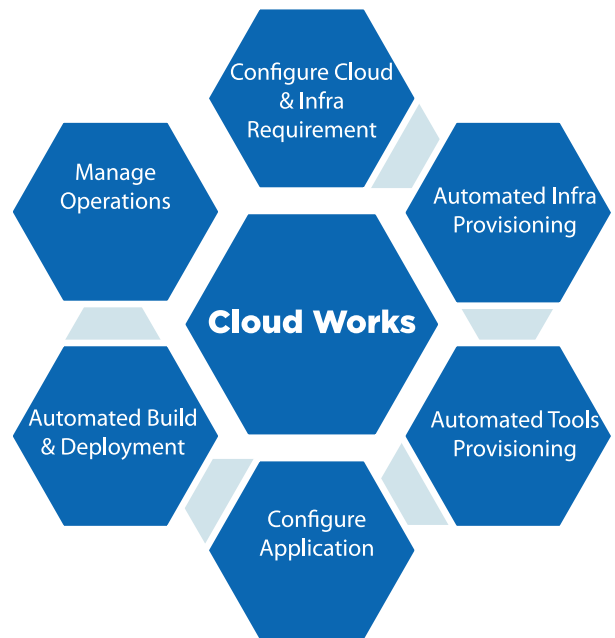# HCL Cloud Works

Cloud Works application brings to life, the art of possibilities on automation to accelerate and ease the deployment and management of microservices application on Kubernetes cluster for chosen cloud platform.
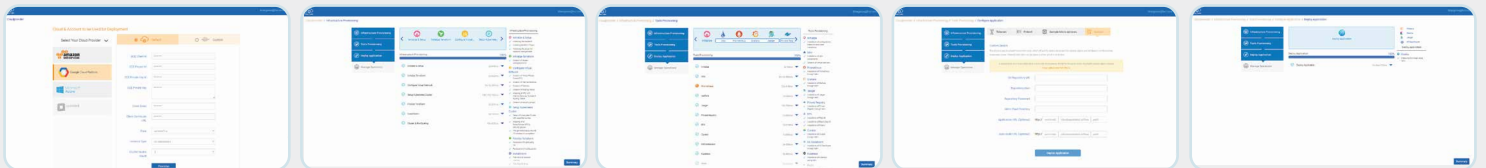
PLATFORM FEATURES AND FUNCTIONS

- User interface for managing end-to-end deployment and cloud native application management on cloud platform

- Automated infra provisioning and Kubernetes cluster setup on chosen cloud platform (AWS, GCP, Azure etc.)

- Automated provisioning of best-of-breed open source tools, providing runtime environment and monitoring of microservices application

- Automated deployment of containerized microservices application on the provisioned K8's cluster

- Consolidated monitoring of application and K8's infrastructure

- Auto scaling of nodes / K8's PODs based on load

- Continuous visibility into the process through stage-wise completion status and logs

Configure Cloud & Infra Requirement

Manage Operations

Automated Infra Provisioning

Cloud Works

Automated Build & Deployment

Automated Tools Provisioning

Configure Application

PROVISIONING AND DEPLOYMENT INTERFACE

BUSINESS BENEFITS

90% Faster Cloud Deployments

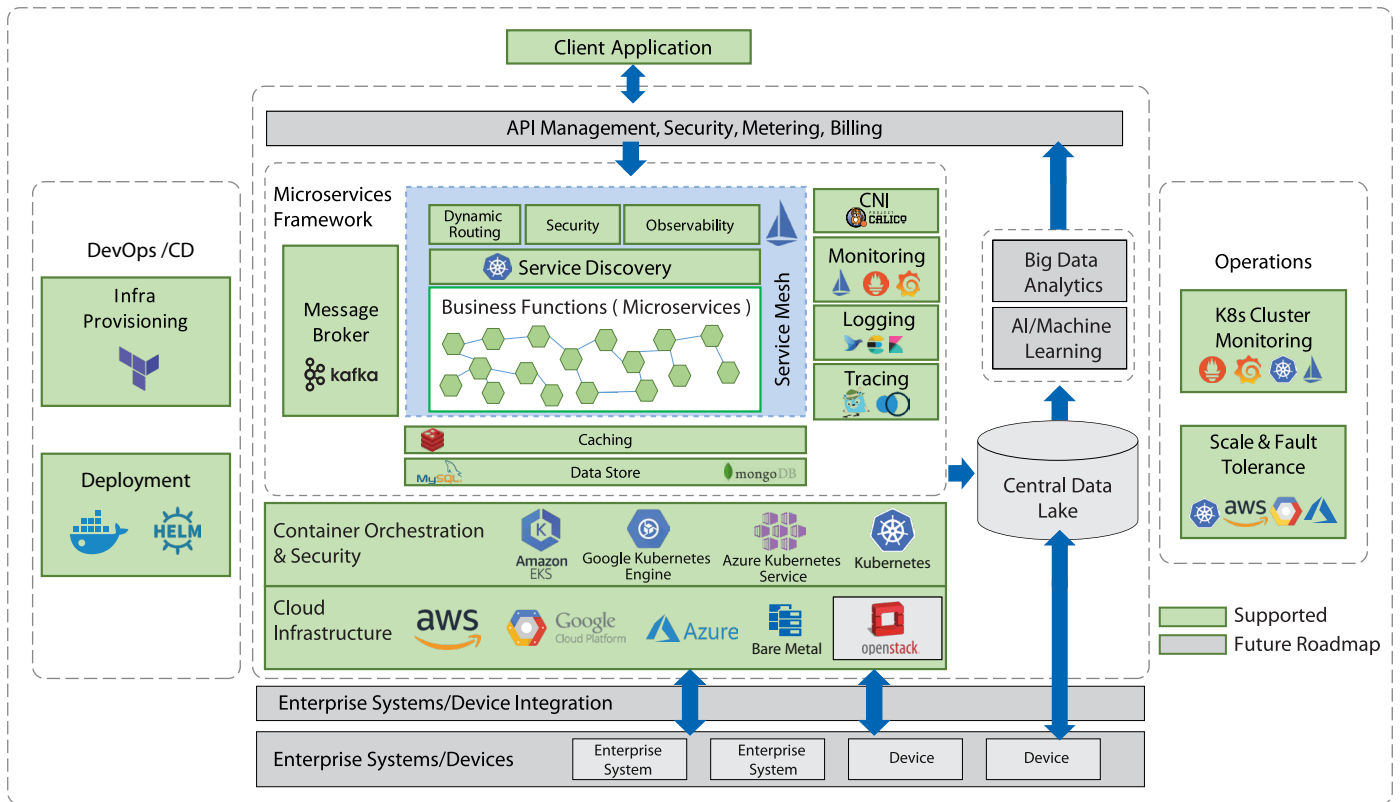Cloud Agnostic

Built In Scalability

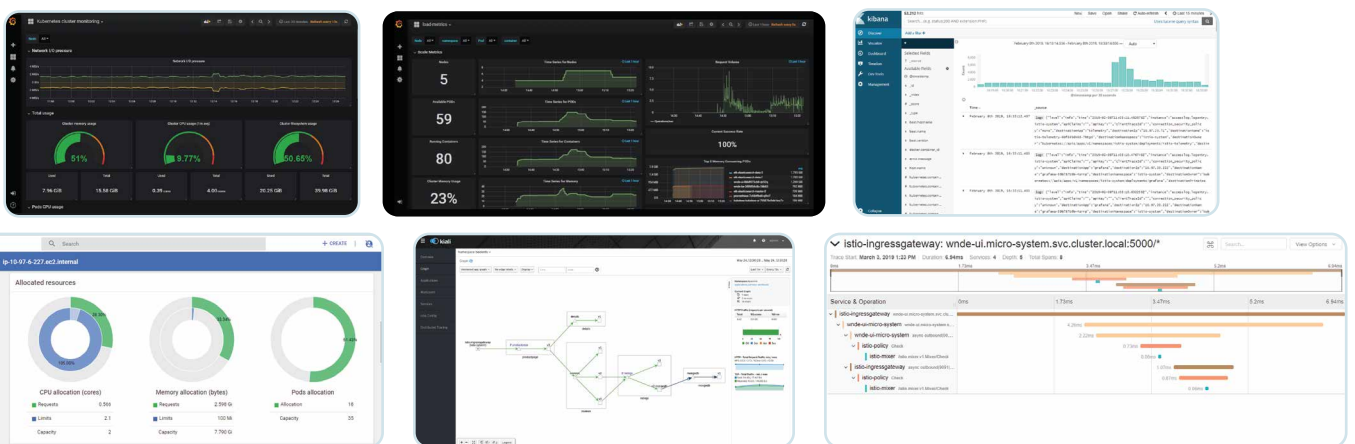Faster Disaster Recovery

Significant Reduction in Manual Errors

Significant OPEX Savings

CLOUD WORKS PLATFORM COMPONENTS

Client Application

API Management, Security, Metering, Billing

DevOps /CD

Infra Provisioning

Deployment
HELM

Microservices Framework

Dynamic Routing | Security | Observability

CNI
CALICO

Service Discovery

Business Functions (Microservices)

Message Broker
kafka

Service Mesh

Monitoring

Logging

Tracing

Caching

MySQL | Data Store | mongoDB

Big Data Analytics

AI/Machine Learning

Central Data Lake

Operations

K8s Cluster Monitoring

Scale & Fault Tolerance
aws

Container Orchestration & Security
Amazon EKS | Google Kubernetes Engine | Azure Kubernetes Service | Kubernetes

Cloud Infrastructure
aws | Google Cloud Platform | Azure | Bare Metal | openstack

Supported
Future Roadmap

Enterprise Systems/Device Integration

Enterprise Systems/Devices | Enterprise System | Enterprise System | Device | Device

OPERATIONS DASHBOARDS

MICROSERVICES MONITORING	LOG AGGREGATION	TRACING	KUBERNETES DASHBOARD	KIALI
Grafana	Kibana	Jaeger	K8 Dashboard	Kiali