

# Cocktail Cloud on OpenShift: Extend and evolve your use of Kubernetes

## Avoid vendor lock-in with a cloud native platform that's built for your enterprise

Most enterprises now find themselves operating a diverse mix of solutions, applications and environments - including public cloud, private cloud and on-premise - from multiple vendors. While Platform-as-a-Service (PaaS) solutions can offer some benefits, they can also lead to vendor lock-in and reduced flexibility. Alternatively, companies can end up restricted to a single cloud service provider, which can limit their ability to innovate and adapt to changing business needs.

The lack of customisation in most PaaS solutions also doesn't allow for integration of specific workflows and processes. This can lead to increased complexity and a lack of control over application deployment and management. Most PaaS solutions also lack multi-cluster support, for multiple cloud service providers, meaning increased costs and a lack of agility in responding to changing business conditions.

## Discover the benefits of a more flexible, agile platform

Cocktail Cloud on OpenShift (CCO) helps organisations unlock essential agility by providing a customisable PaaS solution that supports both multi-cloud and multi-vendor cluster management.

CCO extends the existing Kubernetes Engine, to provide a robust foundation for containerised application deployment and management. Its multi-cluster support allows enterprises to deploy and manage applications across both multiple cloud service providers and clusters, offering greater flexibility and agility.

Cocktail Cloud has been used to facilitate the delivery of core banking functions for a major financial institution in Asia. It has also played a key role in the development of a new AI-led branchless bank; as well as an AI call centre that uses digital voice banking; and in the delivery of mobile card app services.

Tailored to fit the specific needs of enterprise environments, CCO offers API/Lib. support for a wide range of applications, as well as advanced security options. It also provides add-ons for seamless integration with on-premises and cloud services (both private and public), plus comprehensive maintenance, support and education.

By integrating CCO with Namutech's Smart DX Solution—an all-inclusive IaaS, PaaS, and SaaS management platform—CCO functions as a reliable PaaS, contributing to seamless and stable service experiences.

## Why use Cocktail Cloud for your IT environment?

- **Comprehensive customisation** tailored to your existing systems, processes and existing workflows.
- **Multi-cluster capability** easy and efficient management of multi-vendor clusters.
- **Enterprise-scale** designed with a broad suite of features to cater specifically to large-scale users and workloads.
- **Extends Kubernetes** provides a range of value-added features, including multi-cluster management, continuous integration/deployment pipelines, add-ons, and high customisation (unavailable in the community version).
- **Consolidated management** - leverages the Namutech Smart DX Solution, a centralised platform for managing IaaS, PaaS, and SaaS services, providing essential flexibility, agility and simplicity.
- **Trusted partner** - the team at Namutech specialises in professional cloud management solutions and PaaS management platforms, with full training and support available.
- **Proven success** successful implementations for organisations in finance, manufacturing, government, entertainment and more, from start-ups to enterprises.

### Cocktail Cloud

#User-friendly interface

#Multi-cluster

#Multi-tenancy

#Continuous integration/  
Continuous delivery

### Red Hat OpenShift

#Validated open-source  
technology

#Stable and scalable

#Secure

#Full ecosystem of solutions

## Extend your Cocktail Cloud Platform with a range of value-added features

### Service Configuration Management

Enjoy operational and management efficiency for services through real-time visualisation of service configurations and statuses. Easily gain understanding of your overall service status while quickly resolving issues relating to complex service components and their relationships. Take advantage of valuable information on resource and network usage, as well as detailed data such as logs, alarms, faults, and status.

### Service Mesh (Istio) Management

Simplify your service communication structures, with support for the visualisation of service mesh within a service – while also enhancing your gateway setup, routing, traffic control, and circuit breaking. This feature allows you to easily manage gateway, proxy, routing, traffic control and circuit breaking settings. It also provides clear communication status and traffic monitoring updates.

## Cocktail Cloud

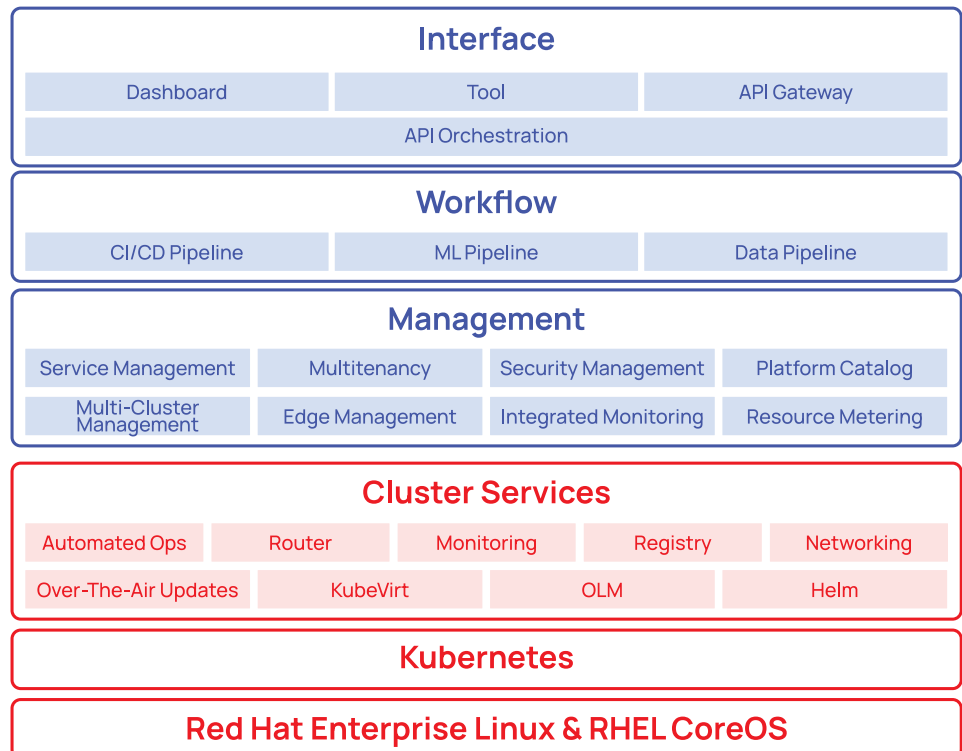
### Multi-cluster & Customizable Portal

- User Friendly UI/UX
- DevOps environment to fit customer needs
  - Customizing for the portal screen
  - Provides multi-cluster, multi-cloud

## Red Hat OpenShift

### No. 1 Global Kubernetes Reference

- Stable and scalable K8s with high security
- Global #1 market share and customer success case
  - Eco System (ISV, Global CSP)
- Red Hat JBoss product, Red Hat certified catalogs



## Service Deployment Management

Automate the deployment of services by more effectively managing your build and deployment pipeline. Easily roll back to previous versions if required, and automatically execute trigger functionality. You can also easily monitor deployed service components in real-time.

## Service Monitoring

This feature provides a unified monitoring system for your cloud infrastructure and services, with customised dashboards based on user roles and needs. It also offers integrated monitoring for multiple/heterogeneous clusters and services. Users can select from a range of monitoring widgets to configure their own dashboards. They can also opt to receive event notifications via messenger, email, and more.

## Service Catalogue

Customise your solution by selecting from a range language/framework-based templates for service configuration, image build, and pipeline setup. Plus, there is the option of snapshot functionality for creating and sharing custom

templates. This feature includes open-source and commercial software installation packages, technical and maintenance support for official packages, and a repository for registering and sharing custom packages.

## Service Resource Management

This feature manages cluster resources based on various Kubernetes engines such as OpenShift, Rancher, AKS, GKE, and EKS, and provides automatic provisioning functionality. Simplify your service management processes with integrated management of multiple/heterogeneous clusters, and related cloud resources such as load balancing, databases and storage.

### About NAMUTECH

NAMUTECH specializes in delivering advanced cloud solutions that empower businesses to excel in the digital age. Our portfolio features the presidential award-winning Cocktail Cloud and Smart DX Solution, which together offer streamlined deployment of cloud-native applications and a robust cloud SMO platform for digital transformation. By utilizing NAMUTECH's powerful solutions, organizations can fully leverage cloud technology, accelerating growth and maintaining competitiveness in the dynamic digital landscape.

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### About Red Hat

Red Hat is the world's leading provider of enterprise open source software solutions, using a community-powered approach to deliver reliable and high-performing Linux, hybrid cloud, container, and Kubernetes technologies. Red Hat helps customers integrate new and existing IT applications, develop cloud-native applications, standardize on our industry-leading operating system, and automate, secure, and manage complex environments. Award-winning support, training, and consulting services make Red Hat a trusted adviser to the Fortune 500. As a strategic partner to cloud providers, system integrators, application vendors, customers, and open source communities, Red Hat can help organizations prepare for the digital future.



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