HCLTech | Red Hat

SmartPaaS powered by Red Hat® OpenShift®

Fuel innovation and business value with modern applications and data platforms

Overview

In today's volatile market, cloud adoption has become imperative to help enterprises accelerate innovation. The new reality has forced many organizations to adopt resilient and responsive business models that leverage cloud-native services across hybrid and multi-cloud environments.

To supercharge their cloud transformation, businesses must adopt a modern, efficient and automated platform to support faster innovation cycles, more productive teams and sustainable growth.

SmartPaaS powered by Red Hat OpenShift combines state-of-the-art enterprise services and solutions for hybrid multi-cloud PaaS adoption and modernization that help enterprises optimize resources and technology costs.

Key challenges

Lack of K8/OpenShift skills

- Legacy Linux/Unix teams traditionally managing OpenShift environments.
- Design flaws in the existing OpenShift environment.

Technical Debt

- Complexity in running hybrid workloads.
- Critical applications still running on older versions of OpenShift.
- Lack of control over app components

Modernization Complexity

- Uncertainty about adopting emerging technologies and hosting platform.

- Struggling to migrate or modernize legacy apps in an automated manner.
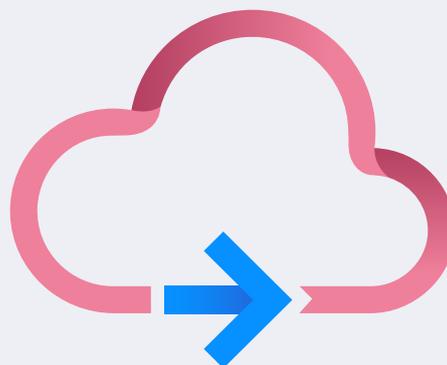
HCLTech SmartPaaS powered by Red Hat OpenShift

HCLTech SmartPaaS is a comprehensive offering with robust modernization capabilities that can help enterprises power their transformation journey. OpenShift reduces the friction of developing, modernizing, deploying, running and managing applications. It supports even the most demanding workloads, including AI/ML, edge and more.

Right from application development to integration, data management and analytics, SmartPaaS leverages Red Hat technologies such as OpenShift, Ansible and Red Hat Enterprise Linux (RHEL) to provide a powerful and mature platform for enterprise adoption. The solution contains platform services across all architectural layers, including cluster services, middleware or data platform services. These services are integrated with the ecosystem, infrastructure and management services using several Red Hat products such as the OpenShift Platform, data services, Advanced Cluster Security (ACS), Advanced Cluster Management (ACM) and AMQ streams to deliver services for the adoption of Red Hat OpenShift across the various architectural layers. The offering comprises end-to-end consulting, implementation, modernization and integration services.

Advisory services:
- OpenShift adoption strategy and roadmap
- Architectural and design aspects
- OpenShift security, automation, ecosystem tools and DevOps

OpenShift Design and Build:
- Core platform design and automated build for all OpenShift flavors (Managed OpenShift, OpenShift Virtualization, MicroShift, etc.)
- Embedded security and ecosystem tools integration, including Red Hat ACM and ACS

OpenShift Adoption
- Deep application and infrastructure analysis
- Wave group and migration planning
- Application migration to OpenShift
- Legacy middleware to CP4A, JBoss on OCP etc

OpenShift Modernization
- OpenShift upgrades (3.x to 4.x) / Virtualization
- Migration from any Kubernetes Platform / Cloud Foundry to OpenShift

With SmartPaaS, enterprises can modernize at scale, optimize resources, reduce technical debt and accelerate their transformation. HCLTech, a global advanced Red Hat partner has vast experience delivering digital transformation services to large enterprises globally.

Please write to us at contact.hyc@hcl.com to get started on your modernization journey.

hcltech.com

HCLTech | Supercharging Progress™