

## Kubernetes Migration Platform (KMP)

Migrate from Pivotal Cloud Foundry to  
Red Hat® OpenShift® with HCLTech's KMP



Organizations across the board have begun to realize that Pivotal Cloud Foundry (PCF) platform has become more difficult and expensive to support and is approaching eventual end-of-life.

Customers are now looking to address the challenges of a legacy Cloud Foundry platform, such as:

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Sizable refactoring costs of migrating a traditional workload	Heavy footprint to run Cloud Foundry in the cloud and on-premises from a computing resource perspective	Apps are not automatically portable across platforms due to a large set of proprietary services on top of each vendor's distribution	The inability to take advantage of the latest cloud-native technologies, like Istio, ArgoCD and more, available through the Cloud Native Computing Foundation (CNCF)	Migration involves cutting and replacing vendor-specific proprietary services

To remain effective, legacy customers need a hybrid cloud platform built on Kubernetes to support their existing, stateful and new containerized cloud-native applications.



## Migrate legacy Cloud Foundry applications to Red Hat OpenShift

Red Hat® OpenShift®, deployed on Kubernetes, is an established approach to migrating from Cloud Foundry. A recent IDC study showed 29% faster application development life cycles with Red Hat OpenShift.<sup>1</sup>

OpenShift provides a complete enterprise hybrid cloud platform to build and run production workloads. Customers moving from Cloud Foundry to Red Hat OpenShift have experienced these benefits:

- Support for both stateless and stateful applications
- Improved productivity with a standardized development environment and self-service provisioning
- Enhanced security with Red Hat Advanced Cluster Security for continuous infrastructure, container and workload security and compliance
- Full stack support across OS, platform, containers and middleware

IDC White Paper, sponsored by Red Hat. "The Business Value of Red Hat OpenShift." Doc. #US47539121, March 2021.

# Key benefits of migrating from Pivotal Cloud Foundry to Red Hat OpenShift



## Modern application platform

Help customers run their applications on Red Hat OpenShift, deployed on Kubernetes, the industry-leading container orchestration technology for running highly scalable and reliable applications.

## Cost reduction

Organizations can eliminate their expensive PCF subscription and operational costs by running their PCF and Kubernetes applications on a unified platform like Red Hat OpenShift.



## Minimize risk

Eliminates cumbersome PCF platform upgrades that result in customers staying on outdated platforms longer and being vulnerable to security issues.

## Reduce tech debt

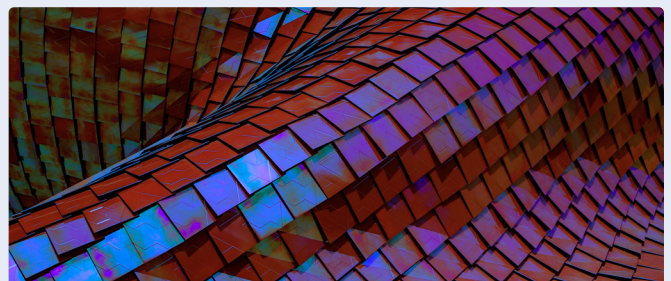
Ready applications for the latest open-source cloud-native development innovations like ArgoCD, Istio and KNative.



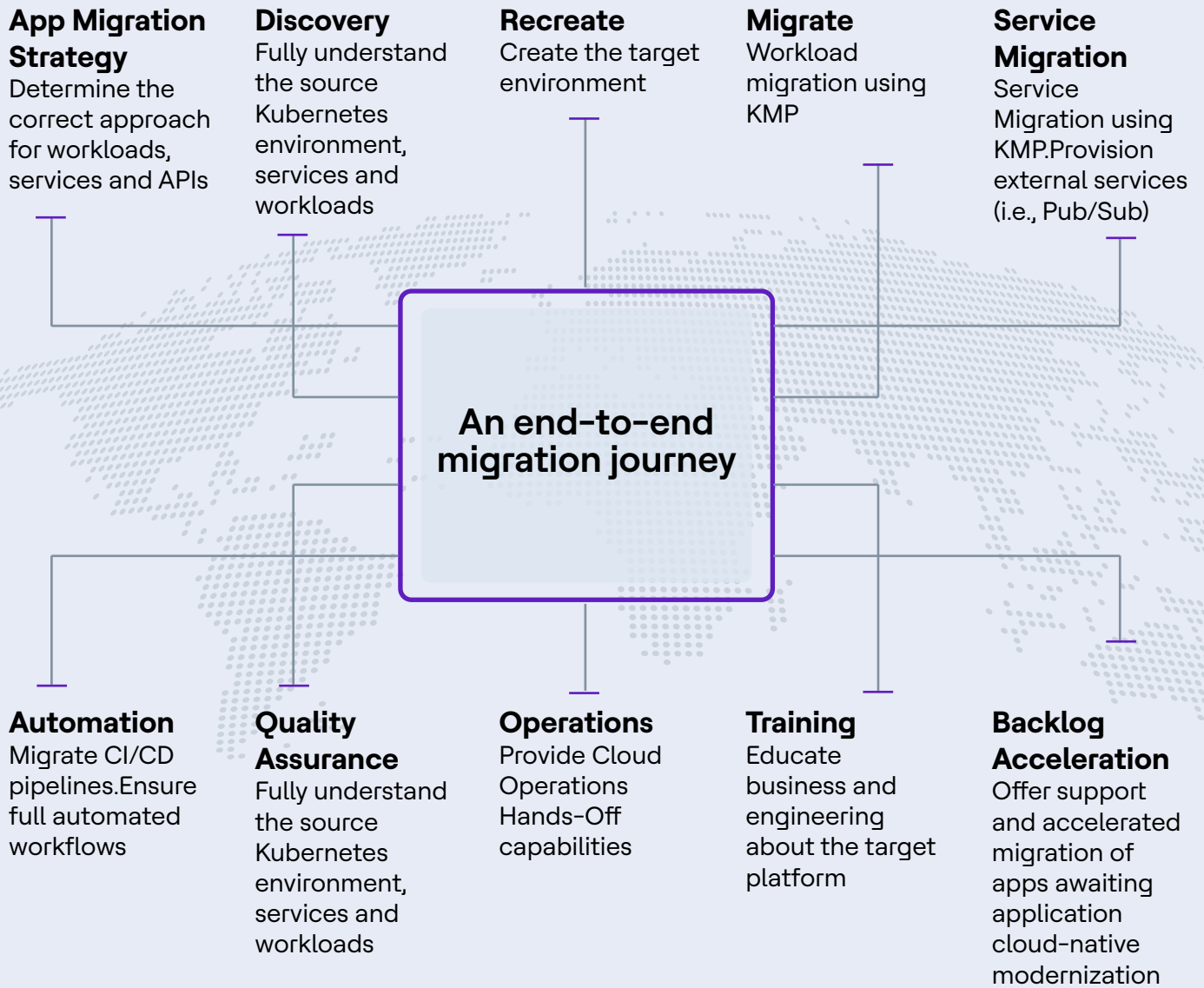
## HCLTech Kubernetes Migration Platform (KMP): Three clicks to a flawless migration

With HCLTech's Kubernetes Migration Platform (KMP), a fully automated SaaS-based offering, you can easily overcome the challenges of adopting a cloud-native strategy to capitalize on the agility, flexibility and scalability of the cloud.

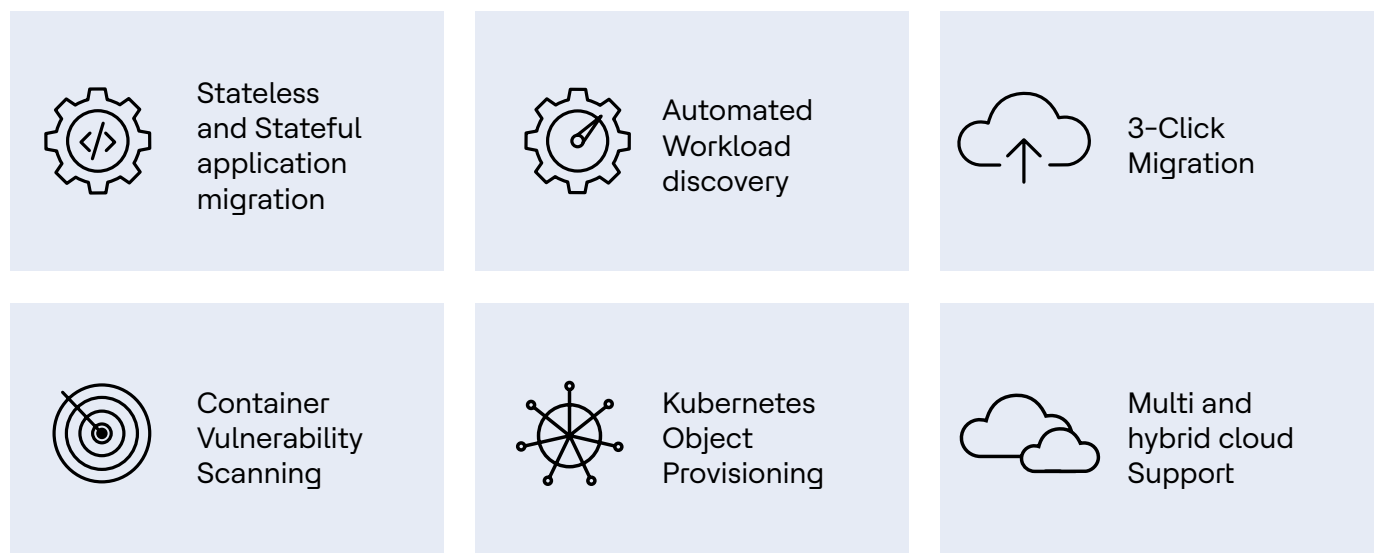
KMP can move applications from any container-based platform onto the Red Hat OpenShift Container Platform in just three clicks, with the whole process taking just two minutes per application. The framework has consistently proven to save hundreds of hours when migrating applications. Compared to manual alternatives, organizations can lower risk and accomplish migrations up to 120x faster with KMP, thus reducing their migration costs significantly.



The offering also supports the transfer workloads between hybrid or multi-cloud environments that are built on Kubernetes-based platforms other than Red Hat OpenShift, such as Microsoft Azure AKS, Rancher, Amazon EKS, Google GKE and VMWare TKGI, giving businesses the flexibility of choice.



## Feature of Kubernetes migration platform:



# Why work with HCLTech and Red Hat?

Businesses looking to migrate their cloud-native applications require a well-thought-out strategy, architecture and roadmap to determine the most appropriate applications and data to migrate to the cloud and accelerate modernization. HCLTech provides a full spectrum of services, from strategy to execution, to help clients transform existing applications, enabling the quick realization of business outcomes.

Together with Red Hat, we help to standardize across environments, develop cloud-native applications and integrate, automate, secure and manage complex systems.

KMP is developed at HCLTech's Cloud Native Labs to help its clients benefit from the strategic clarity and ability to accelerate application modernization, enabling the modern

cloud-native enterprise to run at scale. HCLTech has trained over 2000 application, infrastructure and data transformation experts certified on Red Hat OpenShift.

The HCLTech Cloud Native Labs in Noida, India, Dallas, Texas and the UK, is focused on delivering application modernization projects and, more specifically, on migrating containers to Red Hat OpenShift. Our highly specialized and certified teams regularly conduct assessments and workshops to design proof of concepts (POCs) and provide minimum viable builds using Red Hat OpenShift on-premises or any hyperscaler cloud.

Contact us at [hcltechconnect1@hcl.com](mailto:hcltechconnect1@hcl.com) to get started on a POC today.



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