

# HCLTech Kubernetes Migration Platform (KMP)

Automated migration of Cloud Foundry containerized applications to IBM IKS, Red Hat OpenShift

**With IBM withdrawing support for Cloud Foundry Services on IBM Cloud**, many IBM clients were planning to migrate containerized applications from legacy Cloud Foundry to modern, innovative Kubernetes based platforms which is now available on the IBM Cloud.

The decision to migrate to one or a combination of IBM IKS or Red Hat OpenShift is quite simple. However, planning and executing the manual migration is proving to be time consuming, prone to errors and expensive. Now, **HCLTech Kubernetes Migration Platform (KMP)** offers an automated migration alternative that reduces manpower requirements, mitigates risk and completes the migration at a lower cost in a shorter period of time.

The automated **Kubernetes Migration Platform** is ideally suited for migrating mission critical applications. The priorities for successful migration of these applications includes managing the time to migrate, while avoiding data loss and security exposures. Clients migrating mission critical applications from Cloud Foundry on the IBM Cloud to either IBM IKS or Red Hat OpenShift can be confident that migration will be fast and reliable with **HCLTech Kubernetes Migration Platform**.

Contemplating migration, some organizations are also considering the strategic advantage of moving to one standard platform like Red Hat OpenShift as their Kubernetes platform of choice. Red Hat OpenShift is ideally suited to IBM Cloud while offering the flexibility and adaptability of enabling applications on any hyperscaler cloud.

## Consistently build and run workloads anywhere

**HCLTech Kubernetes Migration Platform (KMP)** offers a scalable, cost optimized solution to accelerate application modernization. With KMP **container migrations typically occur with zero production outages. Migration challenges are offset by choosing Kubernetes Migration Platform.**



### **Cost optimization:**

Automating migration limits reliance on costly and hard to find human resources. Scarcity of capable talent makes productivity difficult to sustain. KMP automation reduces labor associated costs.



### **Improved ROI:**

Migration doesn't need to be a manual activity. Reducing the cost associated with migration frees up dollars for new applications and other investments. Scarcity of capable talent makes productivity difficult to sustain.

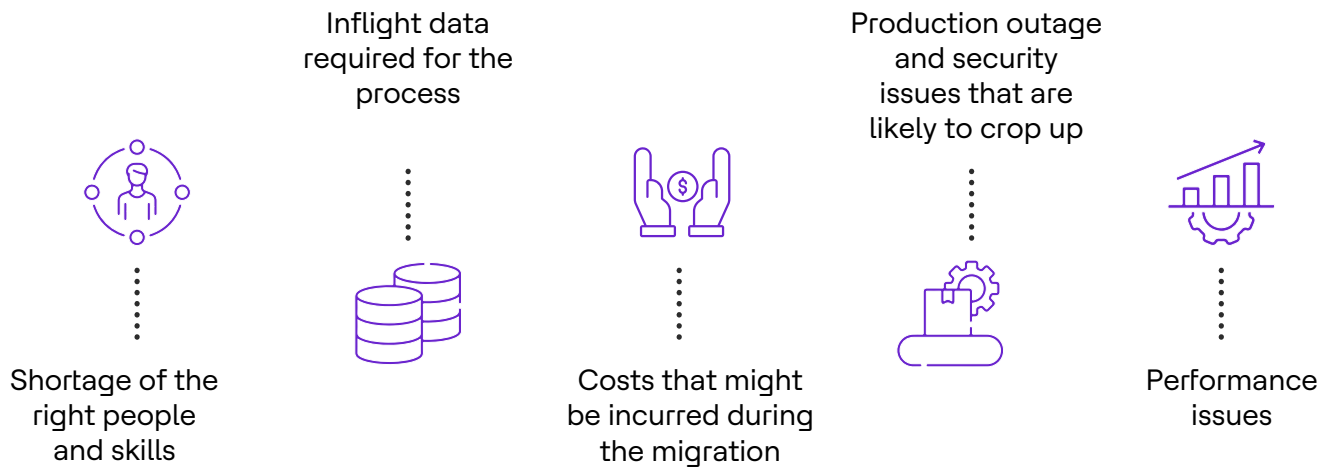


### **Risk mitigation:**

As Cloud Foundry support is withdrawn, the migration efforts for mission critical applications takes priority. Organizations cannot risk migration delays like loss of data, regulation violations or other security failures. Automation minimizes downtime, reduces manual errors and minimizes security failures. KMP automation minimizes risk.

# Challenges when migrating Cloud Native applications

Manual container migration is labor-intensive, unreliable and slow in setup and execution. Meeting the June 2023 deadline adds more pressure to manage the timeline. Innovation by its very nature requires speed.



Automating container migration with **HCLTech Kubernetes Migration Platform** provides predictable and tangible results, without the costs often associated with manual migration.

## Three clicks to flawless, risk-free migration

The Kubernetes Migration Platform (KMP) from HCLTech's Cloud Native Labs, is a SaaS-based application designed to migrate applications from any Kubernetes based platform, like Cloud Foundry, to any Kubernetes distribution with **only three clicks**. KMP is fully automated and lowers risk while quickly migrating containerized applications to IBM IKS located on premises or the IBM Cloud and/or to Red Hat OpenShift located on-premises or any of the major hyperscalers seamlessly and efficiently. KMP typically saves **hundreds of hours when migrating containerized applications**. Compared to manual alternatives, organizations accomplish migrations up to **120 times faster**.

Manual container migration		Kubernetes migration platform	
2 days	One-off Setup Time	4 hours	
4 hours	Execution Time	2 minutes	

Migration occurs with zero production outages. The process is repeatable and includes complete data migration often in minutes. **Other features include:**

<b>K8s Object Provisioning</b>	<b>Automated Workload Discovery</b>	<b>Container Vulnerability Scanning</b>	<b>Support for both stateless and stateful data</b>	<b>Multi and Hybrid Cloud Support</b>
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**HCLTech Cloud Native Labs** developed the **Kubernetes Migration Platform (KMP)** to enable organizations to migrate at hyper speed containerized applications from any Kubernetes based platform to a modern Kubernetes platform like Red Hat OpenShift. HCLTech clients benefit from the strategic clarity of **KMP** and its ability to accelerate application modernization and enabling the modern cloud native enterprise to run at scale. HCLTech has trained more than 2000 application, infrastructure and data transformation experts in Red Hat OpenShift and thousands more on IBM Cloud. The HCLTech Cloud Native Labs, established in Noida India, Dallas Texas and London UK, kick starts application modernization projects. 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 on any of the hyperscaler clouds.

**Want to know more? [ibmecsystem2@hcl.com](mailto:ibmecsystem2@hcl.com)**



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