Application On-boarding to Red Hat® OpenShift® with Biqmind

Red Hat
APAC Business Partner
Professional Services

With benefits of increased development speed and scalability, containers are becoming the de-facto technology for cloud-native application development. A containerized architecture provides a standard approach to split up applications into easily distributed and scalable objects. Architecting applications in this way provides operation teams the flexibility to deploy how they see fit; whether that is on physical or virtual machines, on cloud or on-prem. This flexibility enhances workload management and makes it easier to build systems that are inherently fault-tolerant and elastic.

Red Hat OpenShift empowers developers to innovate and gives them the ability to deliver applications to production quicker. Red Hat OpenShift is an enterprise-grade developer-friendly container platform, that addresses the gaps that other operations-oriented Kubernetes platforms have. Developer needs are addressed with inbuilt tools including developer console, OpenShift Do (odo), CI/CD features and self-service capabilities. An application-centric web console (UI) enables developers to quickly build code, deploy containers and link services.

With our team of certified Red Hat OpenShift specialists, Biqmind can enable your teams to containerize and on-board applications and workloads to Red Hat OpenShift unlocking its benefits to rapidly deliver business value.

BIQMIND APP ON-BOARDING SERVICES

Application Discovery
- Readiness questionnaire and interview
- ½ day discovery session
- Understand business objectives, timelines and target applications for modernization and containerization
- Identify roles and responsibilities and create a stakeholder map
- Assess existing applications, environments and infrastructure

Scope of Work Definition
- Identify deliverables, timelines, effort estimate and acceptance criteria
- Create high-level implementation plans that deliver
  - Analysis of the current architecture
  - Recommendations on organizational changes and practices that support and enable migration
  - Strategies for people, process and technologies
  - An architectural definition that addresses target environments
- Align on pre-requisites for a seamless implementation

Implementation
- Collaborate with developers to understand the technical constraints and dependencies to containerize the application in focus
- Refactor applications based on Red Hat OpenShift best practices
- Adopt containerization best practices for enhanced security, build efficiency and improved release cycles

CI/CD Pipeline Development
- Design and implement build processes for the containerized application using Source to Image (S2I), Dockerfile or hybrid approaches
- Integrate third party tools with Red Hat OpenShift based on existing DevOps processes
  - Nexus/Artifactory/Harbor registries
  - Gitlab/JIRA/Jenkins
- Setup image tagging, deployment, promotion, scanning and signing processes
- Enable monitoring and alerting
- Setup blue-green deployment strategies

Enablement
- Define a Responsible, Accountable, Consulted and Informed (RACI) matrix
- Conduct walkthroughs and retrospectives
- Deliver handover documentation to the relevant stakeholders for the ongoing successful management of applications
  - Design documents
  - Journal logs

WHY WORK WITH BIQMIND

Biqmind provides specialist resources and software tools to help companies make the transformation to cloud-native possible. Our certified Red Hat OpenShift specialists have field experience with designing and deploying large-scale migration projects across a range of industries, including financial services, telecoms and energy. From evaluating existing workloads, developing a strategic plan, performing production deployments, to mentoring your resources, we build a sustainable roadmap and equip your team to use Red Hat OpenShift Container Platform (OCP) for mission-critical enterprise applications.

Contact our OpenShift enablement team
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More on our partnership with Red Hat
biqmind.com/openshift