MODERNIZE YOUR APPLICATIONS
WITH OPENSHIFT

Deploy Red Hat OpenShift, enabling IT Operations and Application Development to collaborate to deliver widely-scalable solutions while saving on infrastructure costs.

Container-based applications are becoming ubiquitous in IT organizations. To gain the most efficiency, it is best to utilize an orchestration system, such as OpenShift.

WHAT YOU WILL GET

- A production-ready OpenShift cluster to host your applications
- One or more fully deployed applications running in OpenShift
- A configured CI/CD pipeline to allow you to deploy updates to your apps in a fast and repeatable manner
- Presentations and documentation to prepare your teams to develop for and operate an OpenShift-based environment

BENEFITS INCLUDE:

- **Enterprise support**
  - Backed by Red Hat and fully supported on Microsoft Azure

- **Cost Savings**
  - Improve application density and get more from your VMs
  - Save up to 38% on IT infrastructure and development platform costs per application (source: IDC)

- **Faster time to market**
  - Reduce troubleshooting costs across environments
  - Deploy applications 4 times more frequently vs. traditional deployment methods

- **DevOps best practices**
  - Run on-prem or in the cloud
  - Move to a cloud-based, continuous delivery model
  - Modernize your applications at your own pace
  - Flexibility in using Cloud PaaS services – SQL, storage, etc. – to support your applications

- **Ease of Deployment**
  - Use a combination of Ansible and ARM templates, or Azure Marketplace images, to deploy a fully functional OpenShift cluster in your cloud subscription in less than an hour.

COST AND DURATION

Two Week Engagement:
$15,000

Three Week Engagement:
$20,000

PRE-REQUISITES

- Familiarity with Docker, Kubernetes, and RHEL

- Access to source code for applications

- Availability of required SMEs (application architects, cloud architects, DevOps manager, etc.)

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BUSINESS PARTNER

Week 1

- Overview of process to containerize application

- Overview of OpenShift platform

- Review application requirements and select appropriate app

- Examine application architecture
  - Tiers
  - Database(s)
  - Other connected systems
  - Current hosting platforms

- Catalog 3rd party dependencies

- Diagram deployment steps

Deliverables

- Application architecture diagrams

- Future platform recommendations

- Migration plan

- Deployment flow diagram

Week 2

- Deploy an OpenShift cluster in Azure subscription using ARM templates

- Configure cluster to support monitoring, security, logging, and storage best practices

- Integrate cluster into Azure AD for authentication and authorization

- Configure additional Azure components as necessary (storage, network, VPN)

- Help configure developer workstations to facilitate container-based development

- Containerize chosen application

- Migrate data into container or Azure platform-based database

- Perform initial deployment of application container(s) to new OpenShift cluster

Deliverables

- Fully configured OpenShift cluster in your Azure subscription

- An application deployed and running in the cluster

- Capability to containerize and deploy additional applications

Week 3

- Validate application functionality

- Create and configure Azure Container Registry for private image storage

- Create automated DevOps processes for application updates

- Setup/configure CI/CD pipelines - Jenkins, VSTS, or another compatible deployment tool

Deliverables

- Pipeline to build and deploy containerized applications

- Private container registry to store all of your images