DATA SHEET

OpenShift Migration Accelerator℠

Transition To Containers And Orchestration. Repeatable. Fast.

ENGAGEMENT OVERVIEW

The purpose of this engagement is to implement a greenfield OpenShift Container Platform. SDG consultants conduct a through analysis of the customer's current infrastructure, application workloads, and the desired future state of application offerings. From there, the consultant creates and executes an implementation plan that establishes a new OpenShift cluster, provides a migration path for existing applications, and delivers a runbook for the creation of greenfield applications.

KEY BENEFITS

Reduce Complexity
Implement one architecture and interface for deployment of application workloads.

Modernize Applications
Obtain a clear and repeatable process to migrate legacy application workloads.

Share Accountability
Establish accountable, auditable, and compliant process to develop new application workloads.

Increase Alignment
Enable cross-functional teams to collaborate closely and effectively on application development.

The following describes the specific phases of our OpenShift Migration Accelerator℠. Each phase builds on the previous phase, increasing the capability of the overall solution.

Phase 1 > Analysis

The goal of the analysis phase is to evaluate the existing customer automation framework for the purpose of creating a migration plan to OpenShift.

TASKS

- Review of current application workloads
  - Existing hardware, network, and storage
  - Application types and workloads
  - Public or private cloud integrations
  - Current CI/CD architecture
  - Current ITIL, DevOps and Agile processes
  - Security, Compliance and regulatory requirements
  - IT team structure

OUTPUTS

- OpenShift Migration Plan

WHAT FEATURES ARE INCLUDED?

- Profile, categorize, and rank existing application workloads for migration feasibility
- Install OpenShift Container Platform to meet application workload requirements
- Configure IAM, RBAC, and SSO requirements in accordance with customer requirements
- Implement test "Hello World" application in new cluster
- Create runbook for migration of and development of new applications

OpenShift Migration Accelerator℠

Phase 2 > Implementation

The goal of the implementation phase is to perform all of the tasks described in the migration plan.

TASKS

- Deploy an OpenShift Cluster in one environment
- Configure HA Proxy, Registries, highly available storage
- Integrate OpenShift with LDAP or Active Directory
- Configure intial projects and pods for a sample application
- Configue Security Context Constraints , Roles and Bindings according to security policies

OUTPUTS

- One running instance of OpenShift Container Platform
- Configuration of OpenShift to accept initial application workloads

Phase 3 > Training

The goal of the Training Phase is to enable the customer to migrate existing applications and develop future applications in OpenShift.

TASKS

- Review OpenShift project configuration settings
- Review application migration best practices
- Review creating new images and using Red Hat certiified images
- Migrate 1 – 3 existing automation scripts to Ansible Playbooks
- Review OpenShift RESTFul API interface

OUTPUTS

- OpenShift application migration cookbook
- Engagement journal of activities

RED HAT® OPENSHIFT® Container Platform

OUTCOMES

- ✓ Eliminate redundant operational and capital expenditures on infrastructure
- ✓ Modernize application workloads with no business impact
- ✓ Reduce the application related outages due to hardware failure
- ✓ Dramatically increase the velocity of rolling our new applications

QUESTIONS?

Give us all call at 1-800-906-0102 or email us at sales@stonedoorgroup.com.