

IBM Cloud Private on OpenShift AcceleratorSM

Infrastructure Automation. Consolidated, Coordinated, Compliant.

ENGAGEMENT OVERVIEW

The purpose of this engagement is to implement a greenfield IBM Cloud Private on OpenShift platform. SDG consultants conduct a thorough analysis of the customer’s current IBM estates, application workloads, and the desired future state of application offerings. From there, the consultant creates and executes an implementation plan that establishes a new IBM Cloud Private for OpenShift cluster and provides a migration path for existing IBM estates such as WebSphere, IBM MQ, and DB2. The consultant then develops a maps existing workloads and develops a blueprint for net new applications on new IBM Cloud Private on OpenShift digital platform.

KEY BENEFITS

- Coordinated IT
Implement one cloud architecture using best of breed Red Hat and IBM technologies
- Shared Efficiencies
Obtain a clear and repeatable process to migrate existing IBM based workloads
- Shared Accountability
Establish accountable, auditable, and compliant process to develop new application workloads
- Culture Shift
Enable cross-functional teams to collaborate closely and effectively on application development

The following section describes the specific phases of the IBM Cloud Private on OpenShift 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 IBM Cloud Private on OpenShift.



TASKS

- Per form a review of the following:
 - Existing IBM estates such as WebSphere, DB2, and IBM MQ
 - Current application workloads
 - Existing hardware, network, and storage
 - Public or private cloud integrations
 - Current CI/CD architecture
 - Current ITIL, DevOps and Agile processes
 - Security, Compliance and regulatory requirements
 - IT team structure

OUTPUTS

- IBM Cloud Private on OpenShift Implementation Plan



WHAT FEATURES ARE INCLUDED?

Profile, categorize, and rank existing IBM estates on legacy architectures	Analyze existing application workloads for migration feasibility	Install IBM Cloud Private for OpenShift to meet application workload	Configure IBM IAM, RBAC, and SSO requirements in accordance with customer requirements	Implement test “Hello World” application in new IBM Cloud Private environment	Create runbook for migration of and development of new applications and workloads
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Phase 2 > Implementation

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



TASKS

- Deploy IBM Cloud Private on OpenShift Cluster in one environment
- Configure HA Proxy, Registries, highly available storage
- Configure Security Context Constraints , Roles and Bindings according to security policies
- Configure IBM Cloud Private Services: IAM, Monitoring, Logging, Metering, Cert and Key Management
- Configure initial IBM and Red Hat Content catalogues for IBM Cloud Private
- Configure sample "Hello World" application using certified content and IBM services

OUTPUTS

- One running instance of IBM Cloud Private on OpenShift
- Configuration of platform to accept initial application workloads
- Sample application that demonstrates services functionality

OUTCOMES

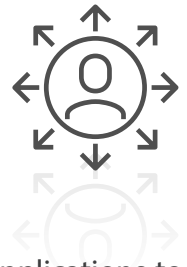
- ✓ Eliminate redundant operational and capital expenditures on infrastructure
- ✓ Modernize existing investments in IBM application workloads with no business impact
- ✓ Reduce application related outages due to hardware failure
- ✓ Dramatically increase the velocity of rolling out new cloud applications

Phase 3 > Training

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

TASKS

- Review OpenShift project configuration settings
- Review IBM application migration best practices
- Review creating new images and installing IBM Certified Content
- Migrate 1 – 3 existing IBM based applications to IBM Cloud Private
- Review IBM Cloud Private on OpenShift RESTful Webhooks and API interface



OUTPUTS

- OpenShift application migration cookbook
- Engagement journal of activities



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QUESTIONS?

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