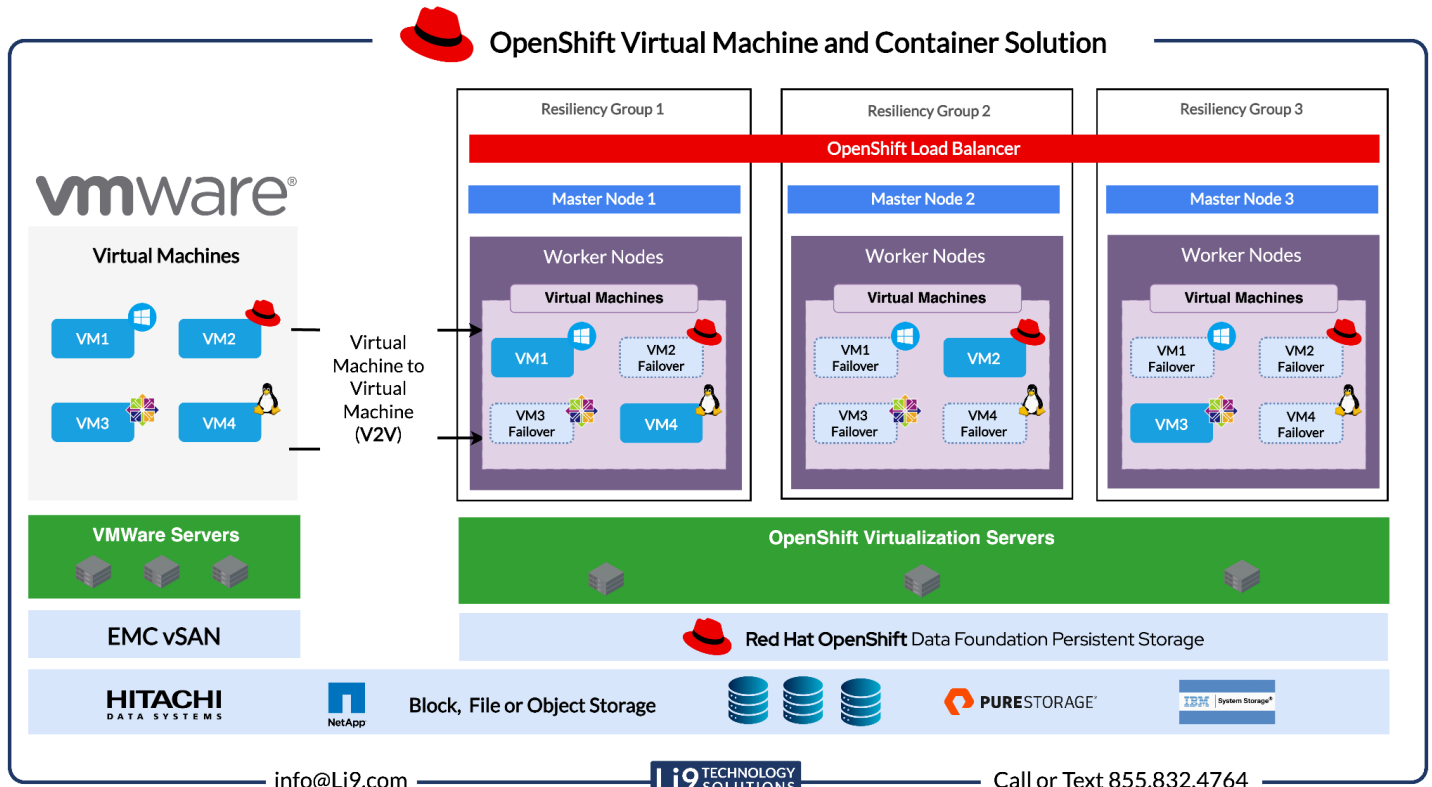
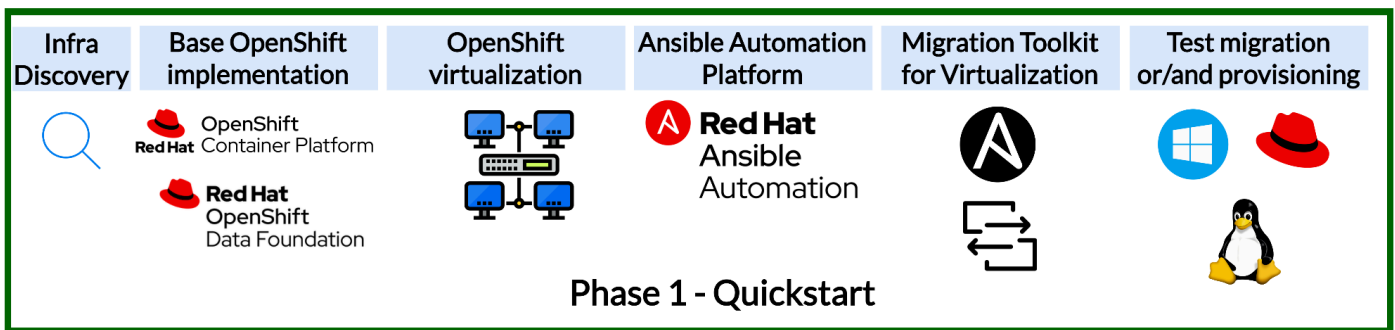


Introduction

This service is designed to accelerate Red Hat OpenShift Kubernetes Engine (OKE) with OpenShift Virtualization adoption for organizations seeking to implement their virtualization infrastructure.

This engagement by a Li9 OpenShift Red Hat Certified Architect (RHCA) with expertise and experience establishes a production-ready, best-practices Red Hat OpenShift Virtualization environment designed for deployment on bare metal.

Timeline: 2-5 Weeks



The modern industry recognizes the power of OpenShift Virtualization which has led many organizations to re-evaluate their virtualization strategy. OpenShift **reduces environment setup times** and **increases development velocity**. This translates directly to accelerated innovation by **improving time-to-market** for modernized applications.

OpenShift Virtualization **eliminates the need for separate management tools**, streamlining operations and enhancing convenience by **managing virtual machines and containers** side-by-side on a single, unified platform. This translates to a measurable **reduction in maintenance overhead**, empowering IT staff to focus on strategic initiatives.

Objectives

- **Rapid Deployment:** Quickly set up a Red Hat OpenShift Kubernetes Engine (OKE) environment following industry best practices.
- **Enable Virtualization:** Activate the feature to run virtual machines within OpenShift.
- **Customizable Foundation:** Provide a flexible base that can grow into a full-scale production deployment.
- **Test Server Provisioning:** Provisioning of a few virtual machines (VMs) using OpenShift Virtualization Technology (RHEL, Windows).
- **Knowledge Transfer:** Equip customer teams with the skills to manage and expand their OpenShift environment.

Scope

- **Infrastructure:** Set up the OpenShift cluster (OKE).
- **Architecture:** Design an OpenShift cluster to handle virtualization workloads.
- **Identity Management:** Integrate basic user management with existing systems.
- **Server Provisioning Demo:** Show how to provision Windows/RHEL virtual machine using OpenShift Virtualization technology.

Deliverables

- A functional Red Hat OpenShift Virtualization environment tailored to customer specifications.
- A demonstration of VM provisioning.
- Documentation detailing the environment's architecture and configuration.
- Knowledge transfer sessions designed to empower customer teams and ensure proficient management of OpenShift Virtualization post-engagement.

Project Phases

1. **Discovery:** Conduct an initial workshop with customer stakeholders to gather requirements, assess the existing infrastructure, and define the project scope. (*Infra Discovery*)
2. **Design:** Create a detailed plan for the OpenShift architecture, including network topology, security considerations, and storage solutions.
3. **Deployment:** Install and configure the OpenShift cluster and enable virtualization features according to best practices and customer-specific requirements. (*Base OpenShift Implementation and OpenShift Virtualization*)
4. **Integration:** Implement the Migration Toolkit for Virtualization to simplify the migration process.
5. **Demonstration and Knowledge Transfer:** Conduct a test provisioning of virtual machines, provide demo sessions, and deliver thorough documentation to ensure the customer's team can manage and extend their OpenShift environment effectively

Platform and Subscription Pricing

Li9 can work closely with customers to make platform recommendations based on the solution requirements and can provide any necessary Red Hat Software through traditional subscriptions or through Private Offers on AWS, Azure, or GCP.

Next Steps

Contact Li9 Technology Solutions today! We invite you to schedule a consultation with Li9 to discuss your goals and explore how OpenShift can transform your IT operations.



OpenShift
Red Hat Container Platform

Contact Li9 to schedule a consultation,
demonstration or workshop. Let's get
your OpenShift journey started !

[Click Here](#)

About Li9

Li9 are experts in automation and application modernization and have proven their ability to leverage best practices combined with customer requirements to allow customers to achieve business and technology goals.

Red Hat has designated Li9 as a Red Hat Partner and industry expert in digital transformation. Li9 has demonstrated its ability to help envision, shape, and execute digital transformation roadmaps for customers of all sizes and complexity.

Additional Services for a Full Production Enterprise Solution

Li9 can provide additional services to expand this solution into a full production OpenShift environment, including:

1. **Full VMWare to OpenShift Migration:** Assistance with the migration of existing VMware-hosted Virtual Machines to the OpenShift platform. This Quickstart represents Phase 1.
2. **Advanced Security:** Hardening of the OpenShift environment with role-based access control (RBAC), network policies, and integration with security information and event management (SIEM) solutions.
3. **Monitoring and Logging:** Implementation of centralized monitoring and logging solutions for OpenShift and containerized applications.
4. **Disaster Recovery:** Development of disaster recovery strategies and procedures to ensure business continuity.
5. **Performance Tuning:** Optimization of OpenShift and virtualization workloads for resource efficiency and scalability.
6. **Managed Services:** Ongoing support and management of the OpenShift environment.