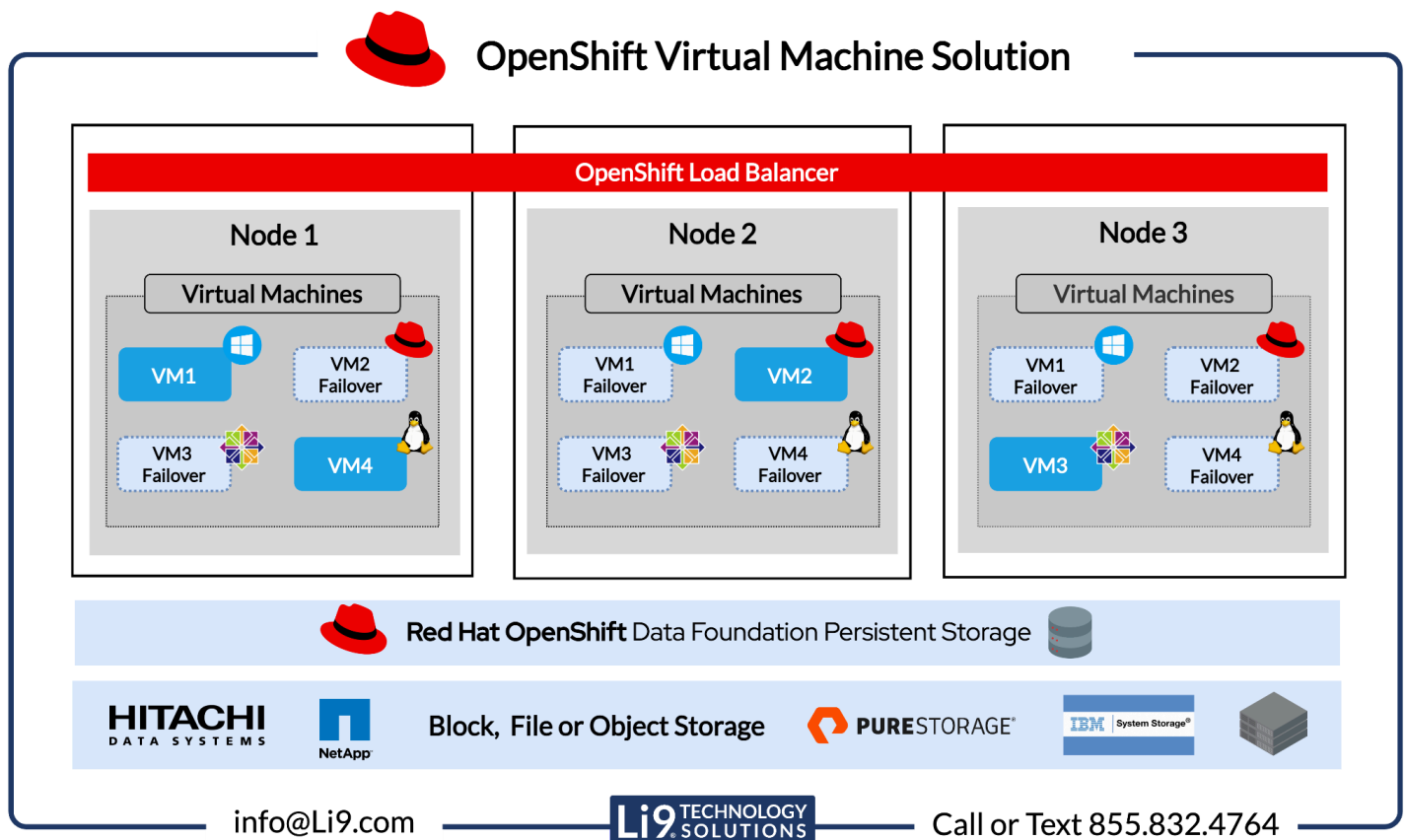


Executive Summary

The **OpenShift Virtualization QuickStart** is designed to showcase Li9's expertise in implementing an OpenShift Virtualization environment that delivers the full capabilities and features of the platform. This QuickStart provides a high-availability environment tailored for organizations seeking an entry point into OpenShift Virtualization, enabling them to experience its robust virtualization features in a compact setup.

This QuickStart, guided by Li9's Red Hat Certified Architects, establishes a foundational virtualization infrastructure that users can scale as their needs grow.

Timeline: 2-4 Weeks



Why Choose OpenShift Virtualization for Modern Workloads?

OpenShift Virtualization provides an enterprise-grade platform that empowers IT teams to deploy and manage virtualized workloads with reliability and flexibility. With Red Hat's extensive experience in virtualization and OpenShift's unified approach, organizations gain a robust foundation for diverse applications while leveraging integrated high availability and performance.

Key Value Propositions:

Accelerate Deployment and Modernization

- **Efficient Resource Management:** OpenShift Virtualization optimizes resources, allowing teams to manage workloads across nodes with automated failover.
- **Unified Platform:** With integrated management tools, OpenShift Virtualization simplifies oversight and operations.

Built-In Security and Compliance

- **Enhanced Protection:** Employs role-based access controls, network policies, and security standards tailored for regulated industries.
- **Reliability for Critical Applications:** High availability and persistent storage capabilities support business continuity.

Comprehensive Cluster Management with ACM

- **Cluster Management:** Advanced Cluster Management (ACM) provides centralized control over virtualized environments, enabling streamlined operations across clusters.
- **Enhanced Monitoring and Policy Management:** ACM allows teams to manage multiple clusters effectively, with integrated monitoring and governance tools that ensure compliance and optimize performance at scale.

Deliverables

- A functional Red Hat OpenShift Virtualization environment tailored to customer specifications.
- A demonstration of Virtual Machine provisioning.
- Implementation of Advanced Cluster Management for centralized cluster monitoring, management, and policy-based governance across clusters.
- 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 Private Offers on Cloud Platforms.

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 who is an 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 complexities.

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.

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](#)