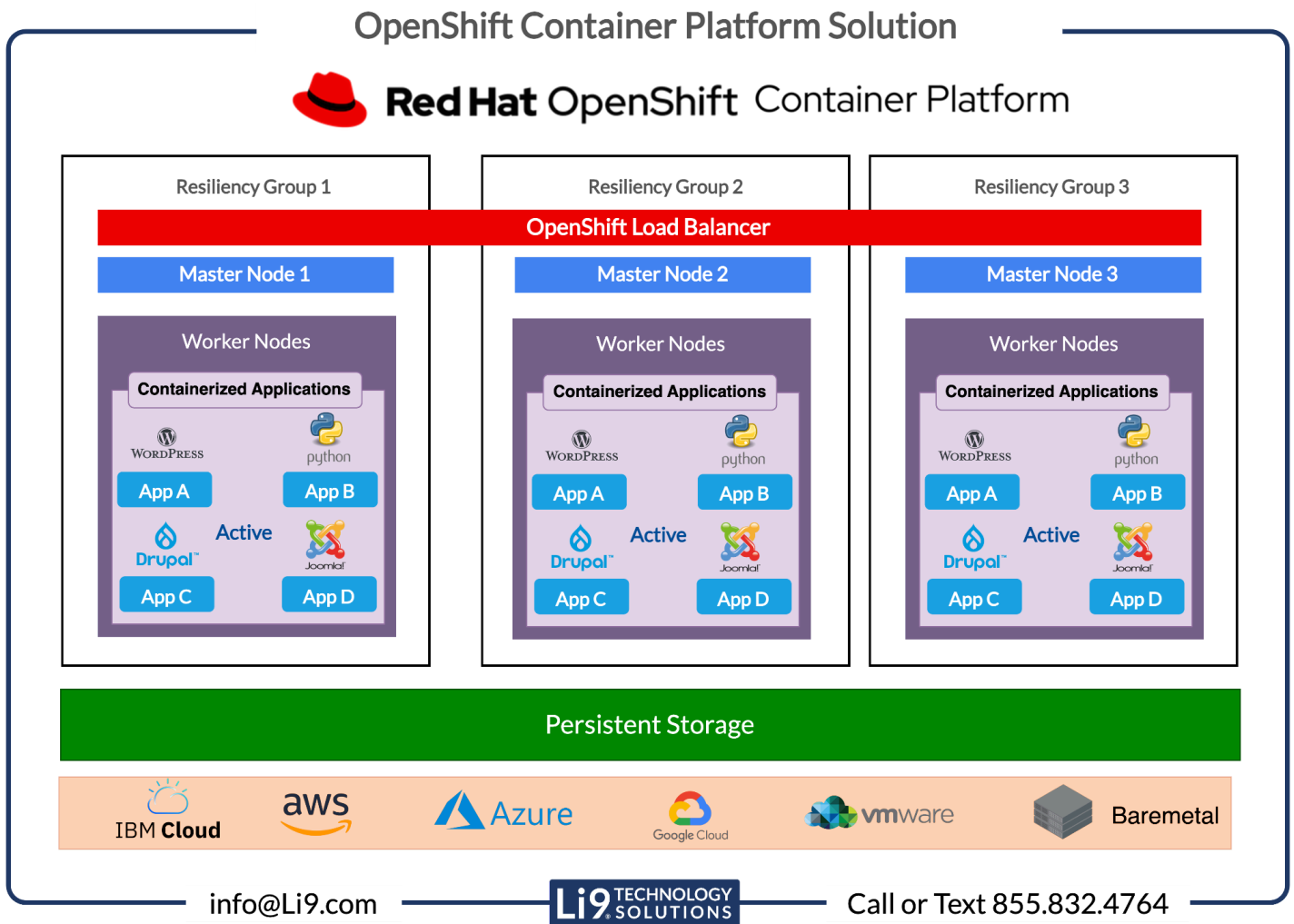


Introduction

This service is designed to accelerate OpenShift adoption for organizations seeking to modernize their application infrastructure with container orchestration.

This engagement by a Li9 OpenShift Red Hat Certified Architect (RHCA) with expertise and experience establishes a production-ready, best-practices Red Hat OpenShift environment designed for deployment in the private, public cloud, or bare-metal.

Timeline: 2-4 Weeks



Red Hat OpenShift propels your business forward with a streamlined platform by consolidating containerized and virtualized workloads. Experience accelerated development cycles with a documented **boost in developer productivity**. Simultaneously, OpenShift's operational stability minimizes downtime with a remarkable **reduction in unplanned outages**.

OpenShift empowers your IT teams by offering a powerful, unified toolkit. This future-proof platform adapts as your needs evolve, supporting everything from on-premises to hybrid cloud and edge deployments for unparalleled flexibility.

Following the initial discovery workshop, a comprehensive SOW will be developed collaboratively with the customer. This SOW will detail the specific deliverables for this Solution Brief.

Objectives

- Rapidly deploy a baseline Red Hat OpenShift environment following industry best practices.
- Provide a customizable foundation upon which to build a full-scale production deployment.
- Facilitate knowledge transfer, empowering customer teams to effectively manage and extend their OpenShift environment.

Scope

- **Infrastructure:** Deployment across private or public cloud environments depending on customer requirements.
- **Architecture:** Design of an OpenShift cluster spanning at least three resiliency groups for high availability.
- **Storage:** Integration of persistent storage solutions to safeguard containerized application data.
- **Security:** Implementation of essential OpenShift security features to protect the platform and workloads.
- **Identity Management:** Basic integration with the customer's existing user group system(s).
- **Application Demo:** Deployment of a sample containerized application to showcase OpenShift functionality.

Deliverables

- A functional Red Hat OpenShift environment tailored to customer specifications.
- Documentation detailing the environment's architecture, configuration, and security settings.
- Knowledge transfer sessions to empower customer teams and ensure effective OpenShift management post-engagement.

Project Phases

1. **Discovery:** Collaborative workshop with customer stakeholders to gather requirements, assess existing infrastructure, and define the deployment scope.
2. **Design:** Development of a detailed OpenShift architecture plan, including network topology, security considerations, and storage solutions.
3. **Deployment:** Installation and configuration of the OpenShift cluster, adhering to best practices and customer-specific requirements.
4. **Integration:** Configure basic user group integration, and establish necessary security measures.
5. **Demo and Knowledge Transfer:** Deploy a sample application, and provide hands-on training, and thorough documentation to enable customer proficiency.

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.



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 their 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. **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.
2. **Monitoring and Logging:** Implementation of centralized monitoring and logging solutions for OpenShift and containerized applications.
3. **CI/CD Pipelines:** Design and configuration of continuous integration/continuous delivery pipelines for automated application deployment and updates.
4. **Disaster Recovery:** Development of disaster recovery strategies and procedures to ensure business continuity.
5. **Application Migration:** Assistance with the migration of existing applications to the OpenShift platform.
6. **Performance Tuning:** Optimization of OpenShift and container workloads for resource efficiency and scalability.
7. **Managed Services:** Ongoing support and management of the OpenShift environment.
8. **DevOps Transformation:** Advisory services for cultural and process shifts towards DevOps methodologies.
9. **Cloud-Native Development:** Guidance and support for building new cloud-native applications leveraging OpenShift.