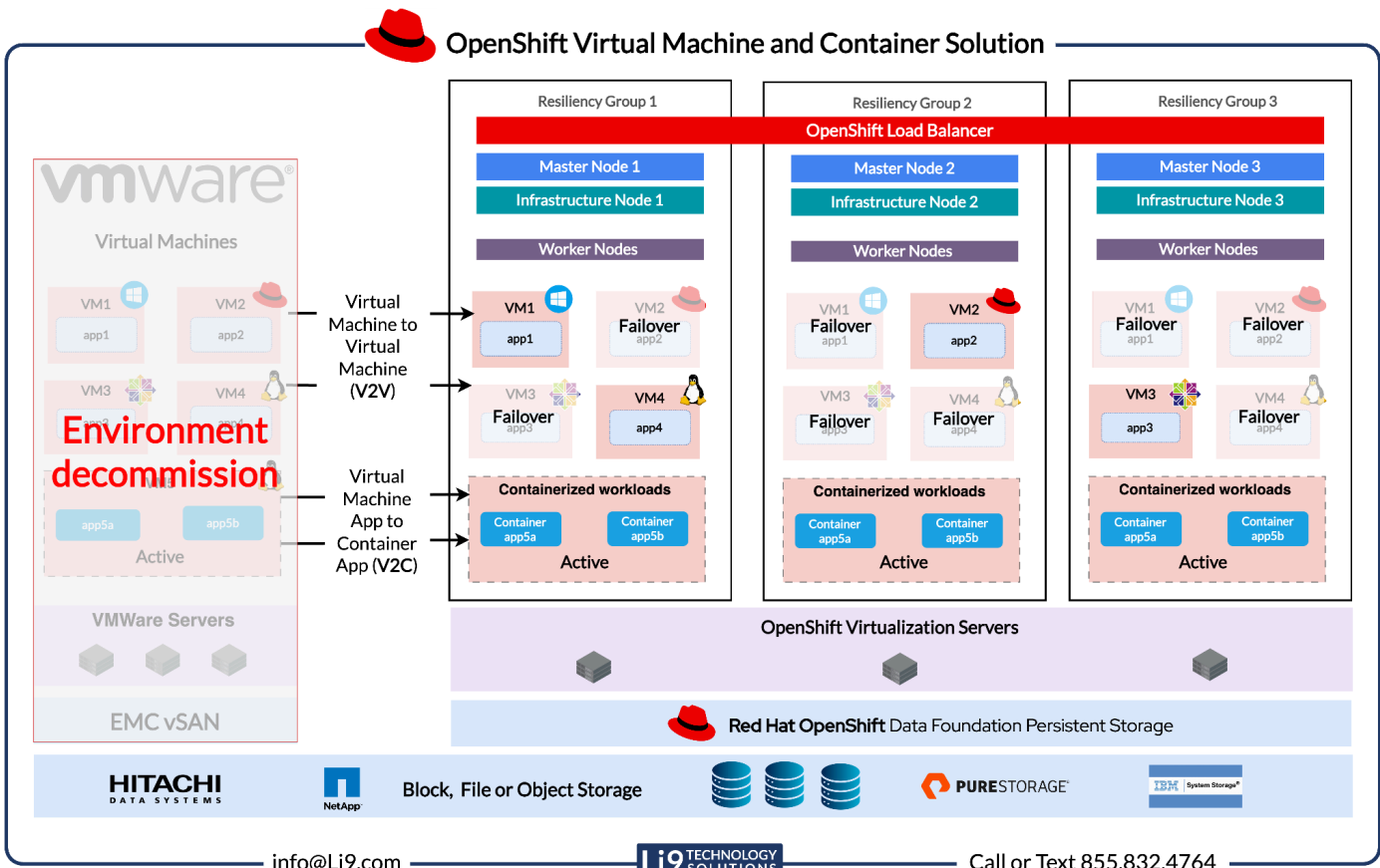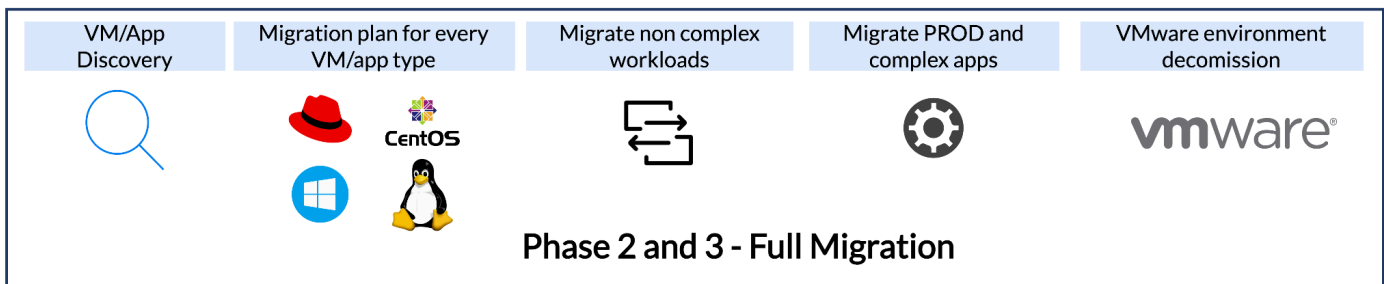## Introduction

This service is designed to accelerate VMware to OpenShift migration process. This engagement is by a Li9 OpenShift Red Hat Certified Architect (RHCA) with expertise and experience in VMware workload migration to the Red Hat OpenShift Container Platform using both V2V migration and application containerization.

Timeline: 2+ Weeks

The timeline depends on the migration method, the number of VMware guests, application complexity, and other factors.

Phase 2 and 3 - Full Migration

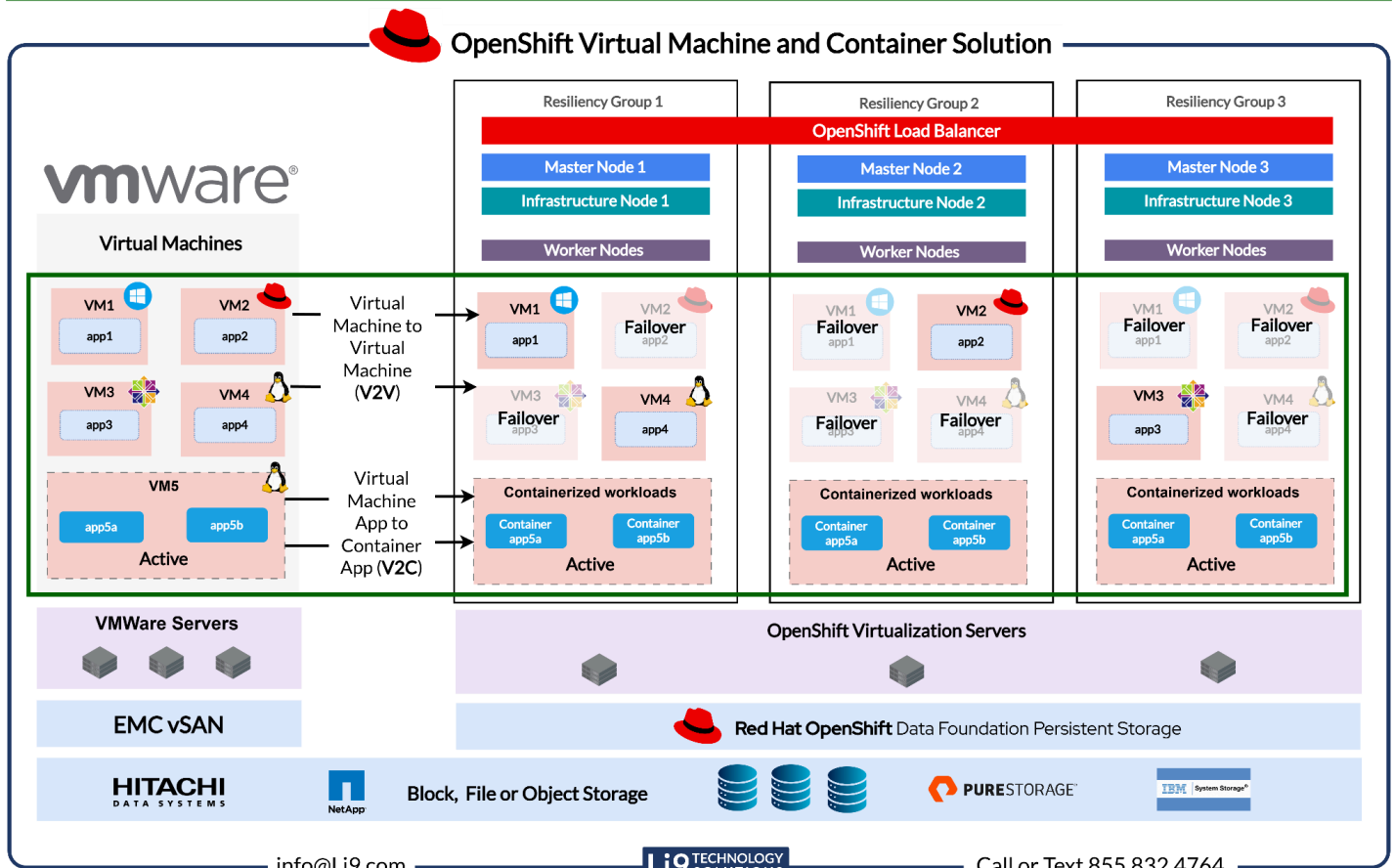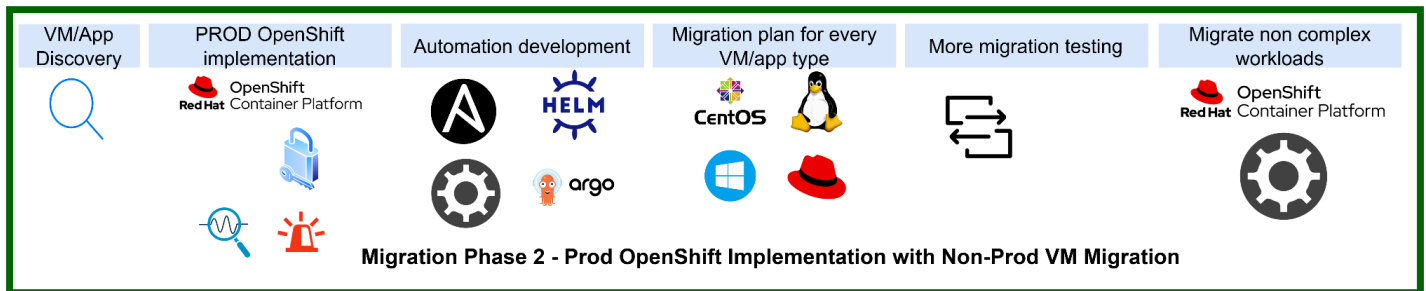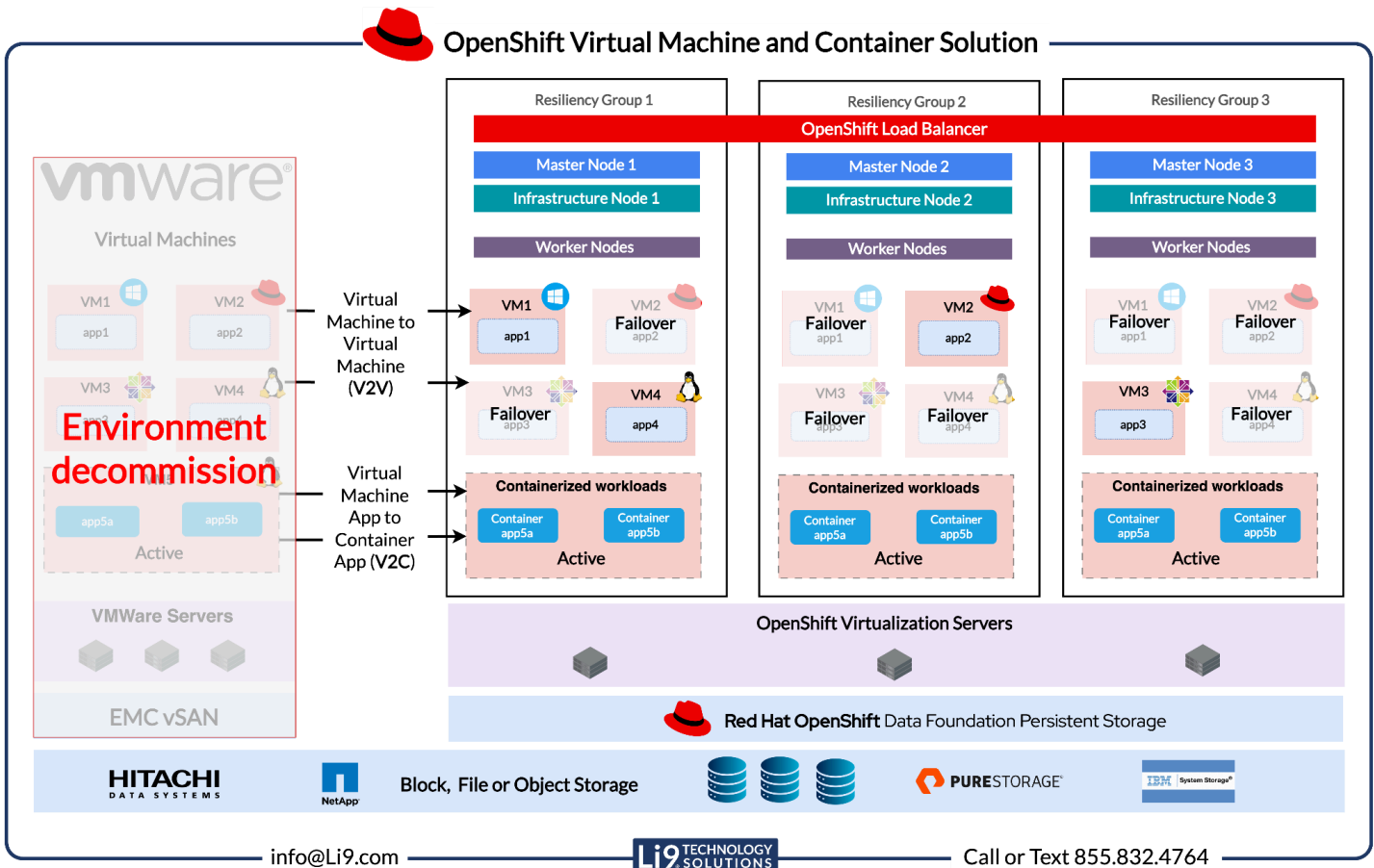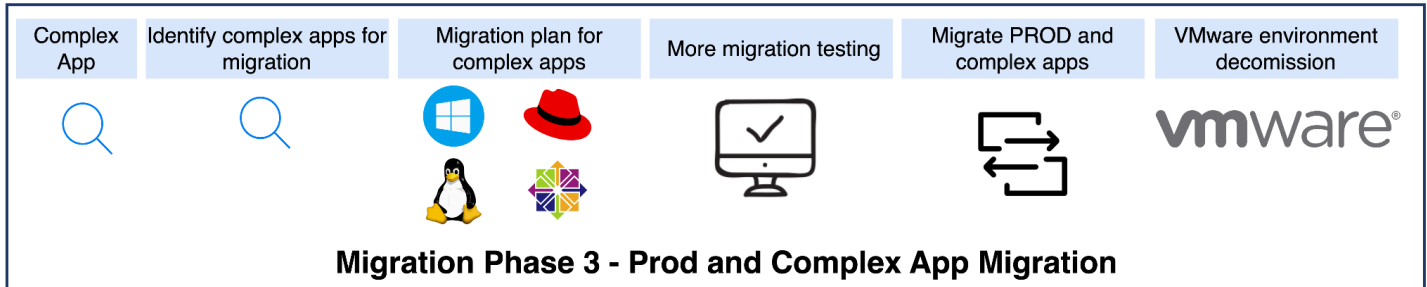OpenShift Virtual Machine and Container Solution

The modern industry recognizes the power of OpenShift Virtualization with the recent shift in VMware's pricing model, 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.

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

Migration Phase 2 - Prod OpenShift Implementation with Non-Prod VM Migration

OpenShift Virtual Machine and Container Solution

Complex App	Identify complex apps for migration	Migration plan for complex apps	More migration testing	Migrate PROD and complex apps	VMware environment decomission

Migration Phase 3 - Prod and Complex App Migration

OpenShift Virtual Machine and Container Solution

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Objectives

- Analyze workloads to identify the best migration plan (V2V or V2C)
- Install and configure migration tools
- Create the migration plan
- Migrate VMware vSphere workloads to Red Hat OpenShift
- Facilitate knowledge transfer, empowering customer teams to effectively manage and extend their OpenShift environment.

Scope

- **Infrastructure:** Design and implementation of the migration tools. Analysis of the existing infrastructure and virtualization requirements.
- **Automation:** Workload migration automation helps to reduce the efforts required for the migration process.

Deliverables

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

Project Phases

1. **Discovery:** Collaborative workshop with customer stakeholders to gather requirements, assess existing infrastructure, and define the migration scope.
2. **Planning:** Development of a detailed workload migration plan (either V2V migration or migrating to containers).
3. **Automation**: Automation development.
4. **Migration (***Phase 2 and 3 from Figure 1***):** Perform workload migration using either V2V or V2C migration method.
5. **Virtual Server Migration Demo:** Automated Migration of VMWare Virtual Servers to OpenShift Virtualization.
6. **Knowledge Transfer:** 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 we can migrate your VMware workloads to Red Hat OpenShift.

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.