

CI/CD, Automation and Everything as Code

Modern technologies changes in real-time. Even at this moment, when you are reading everything changes. New solutions are coming. The market provides new ways to earn more by providing a new quality level product. We're living is a modern business paradigm. Even for small business and startups, it could be challenging to keep up with the times, and it is always the Challenge for market giants such as banks and finance organizations.

For several years now, Li9 helps one of the most prominent players in the Finance Market to be on the edge of technology. Over 40,000 employees work for this Swiss multinational investment bank and financial services company. With their headquarters in Zürich, it maintains offices in all major financial centers around the world and is one of the eight global "Bulge Bracket" banks providing services in investment banking, private banking, asset management, and shared services.

In Q1 2018 Red Hat engaged Li9 to make this Company IT infrastructure one of the most effective and modern. Li9 provided all Red Hat flagman products such as Red Hat OpenShift, Red Hat Ansible Tower and Red Hat Satellite and helped the Customer to achieve their goals, provide a modern high-load platform for the development and operation of internal services.

Pain points:

- **High efforts** on change delivery
- **High efforts** on infrastructure testing
- Slow testing processes – **weeks, months**
- All artifacts are ready to production in **several months**
- Low test coverage, ~**20%**
- **Low level** of automation

Solution:

- Implemented multiple OpenShift clusters for application delivery by on-premise model
- Implemented multiple Azure Red Hat OpenShift for application delivery and integration with Cloud Services
- Implemented enterprise-ready installation of modern automation solution Red Hat Ansible Tower
- Introduced and implemented CI/CD to improve speed and quality of applications delivery
- Everything as a Code (applications, tests, delivery)

Li9 Technology Solutions helps companies optimize their existing IT infrastructures, leverage hybrid cloud environments, and build DevOps infrastructures that modernize and automate application development. Li9 enables businesses to transform their IT service delivery to help them accelerate innovation and application delivery.

Li9 has helped some of the greatest companies in the world by leveraging the Li9 Solutions Portfolio of best-in-class technologies and services to deliver business services fast, at scale, and more effectively to provide them a competitive advantage. With an extensive array of elite technical certifications and credentials, Li9 is recognized by partners for commitment to excellence and its focus on delivering business focused IT Solutions.

Benefits:

- All artifacts are ready to production in **one week**
- Infrastructure test duration time was reduced to **minutes**
- Application provisioning time reduced to **minutes**
- Infrastructure test coverage was increased **up to 90 %**
- Delivery efforts decreased **10-20 times**
- All infrastructure is under version control
- Fast application delivery via OpenShift and CI/CD
- Fast VMWare vRealize Automation services delivery
- Fully automated RHEL VM provisioning on-prem
- Fully automated RHEL VM provisioning in Azure
- Fully automated RHEL and MS Windows patch management

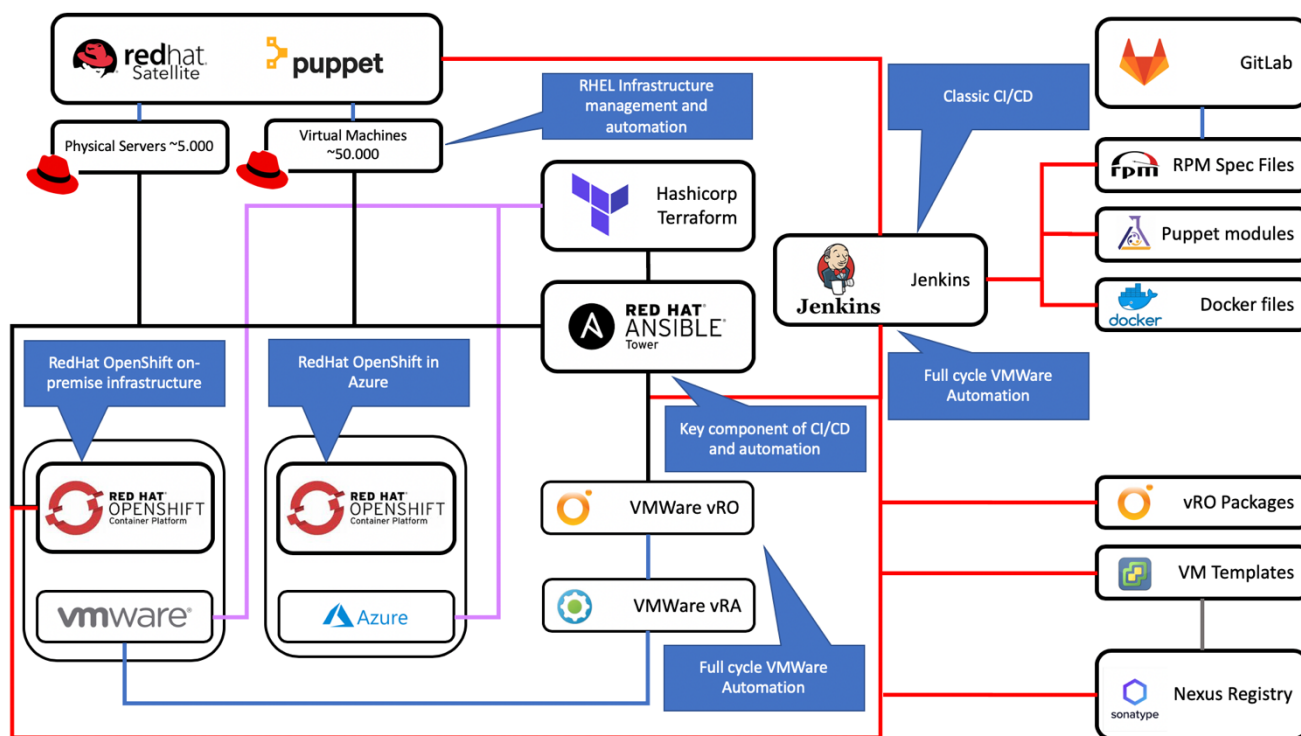


Figure 1. Customer Modern Infrastructure