# Accelerate Innovation with On-Demand, Disposable OpenShift Environments

## The Challenge

Modern DevOps and Platform Engineering teams need to move fast, building, testing, and validating software in production-like conditions without disrupting shared environments. Yet provisioning new OpenShift clusters is often slow, complex, and expensive.
Teams waste time waiting for infrastructure, managing shared resources, and cleaning up stale environments, all of which slow delivery, increase risk, and consume budget.

## The Solution: Automated Ephemeral OpenShift Clusters

Li9's **Automated Ephemeral OpenShift Clusters** solution empowers your teams with **self-service, isolated, and temporary OpenShift clusters** that can be spun up, tested, and torn down in minutes, without manual intervention.

This service uses **OpenShift Virtualization** and **Ansible Automation Platform** to deliver on-demand cluster provisioning and decommissioning. Each environment is fully automated, production-like, and ready for CI/CD integration, giving your developers and QA engineers a true "sandbox-as-a-service."

## Key Benefits

### Accelerate Delivery

Reduce cluster provisioning time from days or weeks to **under one hour**. Enable developers to instantly test new features or configurations without waiting for shared environments.

### Mitigate Risk

Every environment is isolated, preventing cross-team disruption, reducing human error, and allowing safe experimentation before production rollout.

### Improve Efficiency

Eliminate idle infrastructure. Automatically decommission clusters when testing is complete, cutting costs on compute, storage, and licensing.

### Enable Self-Service

Give teams the power to provision and destroy clusters via a simple portal, governed, consistent, and fully automated using Li9's DevOps automation framework.

## Why Ephemeral Clusters?

Ephemeral clusters bring the agility of cloud-native practices to your on-prem or hybrid environments.
Use cases include:

- Feature branch testing for microservices
- Infrastructure change validation
- Upgrade and migration dry-runs
- CI/CD pipeline integration
- Training, demos, or compliance sandboxes

## What's Included

- Architecture design and deployment of automation workflows
- Integration with OpenShift Virtualization
- Delivery of a self-service portal (Ansible Tower or AWX)
- Documentation and knowledge transfer
- Validation and testing of automated workflows

**Typical delivery:** 4-6 weeks

## Optional Add-Ons

- Integration with ServiceNow or Jira
- Advanced GitOps and CI/CD pipeline integration
- Managed support for ongoing automation maintenance
- Multi-cloud and hybrid provisioning capabilities

## Investment

**Fixed Price:** $30,000
A simple, transparent engagement that delivers a fully functional automated provisioning framework for your OpenShift environment.

## Outcomes

- **Time to Environment:** < 1 hour
- **Environment Reuse:** 100% automated provisioning & teardown
- **Developer Productivity:** +40-60% improvement
- **Infrastructure Cost Reduction:** Up to 30% via automatic lifecycle management

## Why Li9

Li9 specializes in **Modern IT, Cloud-Native, and Platform Engineering** solutions that combine automation, OpenShift expertise, and DevOps best practices.
Our engineers are **Red Hat Certified** and experienced in designing automation frameworks that scale across hybrid and multi-cloud environments.
Li9 partners with clients to deliver real business outcomes, faster innovation, lower operational cost, and more resilient delivery pipelines.

## Ready to Accelerate Your DevOps?

Schedule a **free consultation** to explore how Li9's **Automated Ephemeral OpenShift Clusters** can transform your development lifecycle.

Schedule time with a Li9 IT Strategy expert

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