

# Red Hat Services offering: SOE provisioning for Red Hat Enterprise Linux 8

Standardize and streamline systems provisioning for security and speed.



## Features and benefits:

- Eliminate guesswork and errors with proven, standardized systems delivery and management.
- Decrease wait time and labor with fully automated provisioning of virtual and bare-metal servers.
- Establish a highly scalable SOE management platform across environments and datacenters.
- Invoke Application Streams to increase flexibility, control, and compliance for independent content streams.
- Harness powerful new features, including VDO compression, Network Bound disk encryption (NBDE), and Red Hat Insights.
- Maintain environment and operational consistency throughout your infrastructure.

For more information, visit [redhat.com/services/consulting](https://redhat.com/services/consulting).



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## Introduction

As business needs evolve to meet constantly changing market demands, IT teams are pressured to grow and manage a complex infrastructure that meets today's demands and tomorrow's landscape. As organizations grow, an intelligent approach is needed to provide businesses with a consistent foundation for hybrid cloud that delivers any application, on any footprint, at any time. Without flexible and standardized provisioning, delivery remains error-prone and unscalable, relying on manual configuration and patching – a reality that few businesses can afford.

## Evolve for speed, predictability, and flexibility

In order to move into the next generation of computing and address these challenges, a holistic strategy is needed to accelerate and streamline systems provisioning. Adopting a strong capability for defining and automating standard operating environment (SOE) provisioning is key to addressing server sprawl and reducing the costs of managing disparate resources. This includes efforts around patching, automated configuration, and proactive system remediation.

Red Hat® Consulting partners with organizations to mechanize a predictable, repeatable, and reliable infrastructure, decreasing the time to market and reducing errors with fully automated provisioning. Using Red Hat Enterprise Linux® 8 and Red Hat Satellite, Red Hat Services subject matter experts establish a framework for a consistent build process and a modernized patch management approach across physical, virtual, container, and cloud environments. This approach deconstructs systems into layers and components that can be combined easily, released independently, and maintained as collections. By organizing these SOE builds under a centralized management platform, customers can deliver fully provisioned systems in minutes, regardless of the underlying infrastructure.

In this environment, system specifications are encoded within the configuration tooling as a living, self-documented approach to infrastructure delivery. In addition, Red Hat consultants partner with your team to activate and use the capabilities of Red Hat Insights for comprehensive analytics and reporting across your environment, including performance, security, and stability alerts and recommendations.

## Get started with Red Hat Consulting

Red Hat Consulting helps customers quickly, iteratively, and strategically achieve value while building enterprise-wide capabilities. During a Red Hat Consulting engagement, teams are trained on the technology while learning and adopting methods and skills needed to sustain success now and into the future, even when the engagement is over.

In a eight-week engagement, Red Hat Consulting experts help customers design, build, and scale an SOE provisioning strategy that meets their unique business needs. Across the following phases, our experts will:

**Discover and design**

- Lead interactive architecture workshop to identify systems, environments, roles, and representative operational tasks
- Define and document Red Hat Satellite architecture, server roles and groups, and role-based access control (RBAC) model for multi-tenant operations

**Deploy**

- Integrate with infrastructure services (e.g. Preboot Execution Environment (PXE)) for system provisioning
- Organize targeted systems into host groups and server roles
- Create end-to-end, reusable system provisioning processes
- Establish basic configuration and content management for targeted systems
- Build and enable RBAC model to support authorization and operations multitenancy
- Establish process and approach to develop, test, and iterate SOEs

**Enable**

- Provide side-by-side mentoring throughout the engagement
- Deliver and review architectural and operational documentation

### **Accelerate capabilities with Red Hat Training**

Maximize your technology investment and master skills with our lab-intensive, real-world training. Through open enrollment, virtual classrooms, or a Red Hat Learning Subscription, Red Hat Training provides a current approach and practical application of new skills and methods to make the most efficient and effective use of modern technologies.

### **The Red Hat Services difference**

Working directly with Red Hat engineering and support organizations, Red Hat Consulting teams bring advanced skills to deliver solutions using Red Hat products and open standards. With unique insight into upcoming features and product roadmaps, nobody is better positioned to align teams, streamline processes, and make enterprise systems and applications work together using open source and proprietary technologies.

- **Straight from the source:** Red Hat Consulting teams communicate directly with Red Hat support and product development organizations. Many of our consultants are also active contributors to the upstream open source communities behind Red Hat technologies, so they bring unparalleled expertise.
- **Diverse technical experience:** Red Hat Consulting maintains deep expertise with open source and proprietary systems and applications platforms. Our comprehensive understanding of the technology market helps us provide clients with a complete view of their environment. Our guidance is based on a holistic understanding of building enterprise systems, not just our own products.
- **Mentor-based engagements:** Red Hat Consulting's approach gives clients the information and skills they need to move to Red Hat solutions in a safe and efficient manner. Red Hat believes that knowledge must be open and shared, just like source code.
- **Crucial, real-world training:** Red Hat Training and Certification develops role-based knowledge through hands-on training covering emerging and foundational open source technologies. It helps build real-world skills that support critical commoditization and transformation projects alike.

### About Red Hat



Red Hat is the world's leading provider of enterprise open source software solutions, using a community-powered approach to deliver reliable and high-performing Linux, hybrid cloud, container, and Kubernetes technologies. Red Hat helps customers integrate new and existing IT applications, develop cloud-native applications, standardize on our industry-leading operating system, and automate, secure, and manage complex environments. Award-winning support, training, and consulting services make Red Hat a trusted adviser to the Fortune 500. As a strategic partner to cloud providers, system integrators, application vendors, customers, and open source communities, Red Hat can help organizations prepare for the digital future.



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