

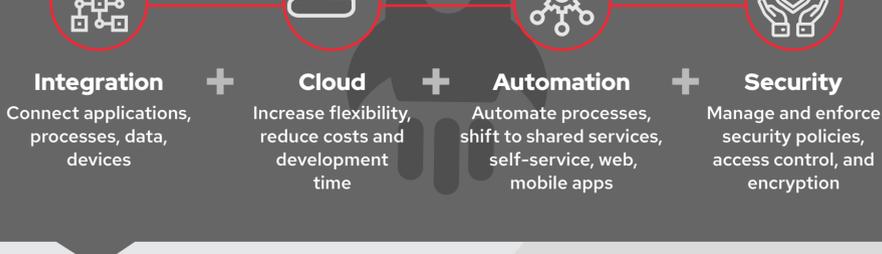
Government IT Optimization

Powered by  Red Hat

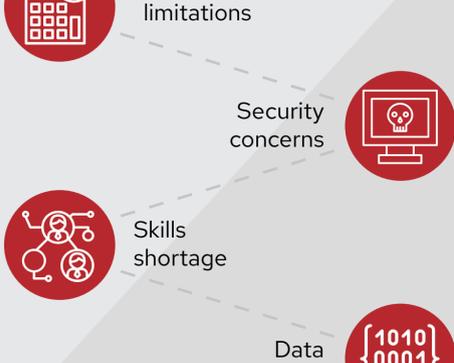
Agencies Need to Optimize



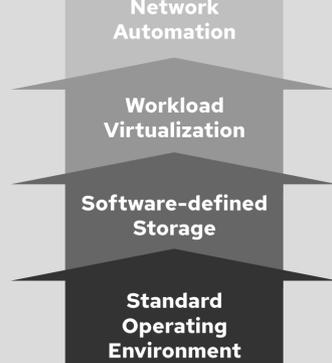
Faster IT Optimization



Critical Obstacles



Optimize the Technology Stack



Standardized Operating Environment

One operating system: Simplifies the environment, supports reusable, repeatable processes, reduces cost and enhances security.

- CURRENT STATE:**
- Consolidate or distribute
 - Aggregate or cloud
 - Physical → Virtual → Cloud
 - Reduce complexity → common environments, tools, services

Benefits



Why Red Hat?

Red Hat Enterprise Linux 8

Reduce complexity. Any workload, any environment with one operating system.



- Used in the toughest IT operating environments: Desktop, Workstation, and Server variants
- Cloud-ready, optimized for hybrid and DevOps environments
- Operating flexibility (bare metal, virtual, private, public, hybrid)
- Breaks dependence on costly proprietary solutions

Network Automation

Repeatable processes to: Validate configurations, reduce outages, and improve operations of multi-vendor networks

- CURRENT STATE:**
- Need to manage complex environments more efficiently
 - 23% of network components currently automated
 - 48% report lack of skilled professionals
 - 86% say automation is very important for cloud strategy

Benefits



Why Red Hat?

RED HAT ANSIBLE Automation

Free up staff capacity, speed service delivery

- Automated configuration, 45+ network platforms
- Monitor, validate network configuration changes
- Intuitive workflow editor, easily automate playbooks
- Audit: who ran what, when, where

Workload Virtualization

Intelligent workload management: Reduces infrastructure cost, maximizes resource flexibility, improves any cloud operations

- CURRENT STATE:**
- 75% use virtual machines for development
 - 61% use virtual machines for app deployment
 - 52% use virtual machines for critical applications

Growing trend for application development and deployment

- FUTURE STATE:**
- Infrastructure and workload virtualization: 60% → 70% in 2 years

Benefits



Why Red Hat?

RED HAT ENTERPRISE VIRTUALIZATION

Integrate anything with open, scalable virtualization

- 54% of public cloud apps run on Linux virtual machines
- Virtualize any Linux or Windows application
- Secure virtualization, hardened hypervisor, security-enhanced Linux kernel
- Optimize resources, ensure availability

Software-Defined Storage

Efficient network configuration to: Securely scale data storage, integrate with any application, process, and operating model

- CURRENT STATE:**
- 70% concerned current storage cannot handle workloads
 - 50% say big data is changing processes
 - 49% of data stored in public cloud by 2025
 - 80% of unstructured data stored on software-defined storage by next year

Benefits



Why Red Hat?

Red Hat Storage

Scalable storage management and no vendor lock-in

- Simplify storage management, eliminate storage silos
- Consistent control plane across all deployment models
- Lower cost with commodity x86 hardware
- 40% savings over 5 years

Red Hat Linux is the Key to Government IT Optimization

