

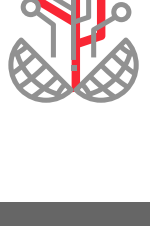
Government IT Optimization

Powered by  Red Hat

Agencies Need to Optimize



Flat budgets



Modernization mandates



Citizen demands

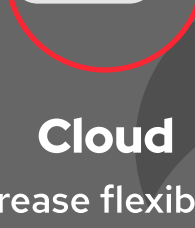
Faster IT Optimization



Integration

Connect applications, processes, data, devices

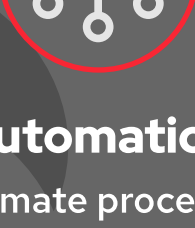
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Cloud

Increase flexibility, reduce costs and development time

+



Automation

Automate processes, shift to shared services, self-service, web, mobile apps

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Security

Manage and enforce security policies, access control, and encryption

Critical Obstacles



Budget limitations

Security concerns



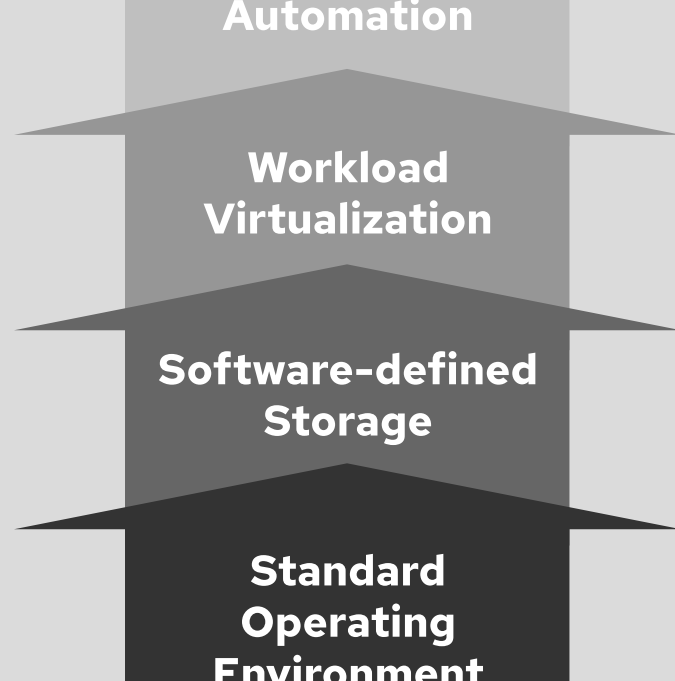
Skills shortage



Data management



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

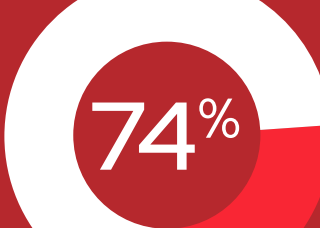
Benefits



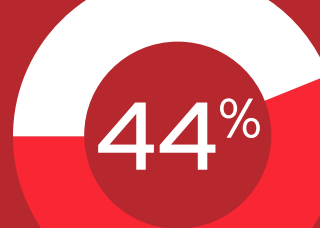
Reduction
in server hardware spend



Reduction
in software spend



Less
unplanned downtime



Faster
deployment of new apps and features

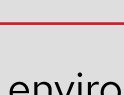
Why Red Hat?

Red Hat Enterprise Linux 8

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



Google Cloud



Windows Azure

- 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

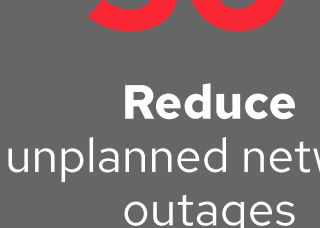
Repeatable processes to:

Validate configurations, reduce outages, and improve operations of multi-vendor networks

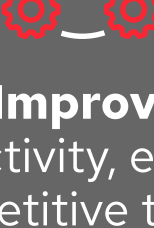
CURRENT STATE:

- 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



Reduce
unplanned network outages



Improve
productivity, eliminate repetitive tasks



Ensure
compliance



Enhance
security posture

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

Growing trend for application development and deployment

CURRENT STATE:

- 75% use virtual machines for development
- 61% use virtual machines for app deployment
- 52% use virtual machines for critical applications

FUTURE STATE:

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

Benefits



Reduce
infrastructure cost



Improve
workload performance: SAP, Oracle, Microsoft Exchange



Scale
with demand



Consolidate
network, compute, storage

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

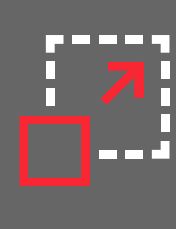
CURRENT STATE:

- 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



Cost-efficient
use of storage capacity



Scalable
to petabytes and beyond



Architectural flexibility:
blocks, files, objects, servers, virtual machines, clouds, containers



Reduce risk,
avoid vendor lock in

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



Optimize existing resources so they continue to add value



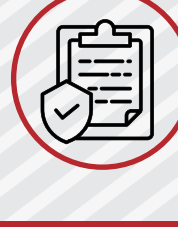
Integrate old and new systems, resources, and practices



Deliver cloud infrastructure and services



Build modern applications



Secure everything with tested, hardened systems



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