Red Hat is the Key to Government IT Optimization

Red Hat is the leading provider of open source solutions for the enterprise. With a focus on innovation, reliability, and security, Red Hat provides the tools and expertise to help organizations modernize and transform IT environments. Whether you’re looking to optimize your cloud strategy, virtualization infrastructure, or security posture, Red Hat has the solutions you need to succeed.

Why Red Hat?

- **Reduce costs and enhance productivity.**
- **Optimize resources, ensure availability.**
- **Integrate anything with open, scalable software-defined environments.**
- **Free up staff capacity, speed service delivery.**
- **Ensure security, harden hypervisor, security-enhanced virtualization.**
- **Validate configurations, repeatable processes to ensure compliance.**
- **Build modern environments, tools, services.**
- **Reduce mobile app development and management concerns.**
- **Manage and enforce secure virtualization, hardened hypervisor, security-enhanced virtualization.**

Software-Defined Storage

- **Breaks dependence on costly proprietary solutions.**
- **Cloud-ready, optimized for hybrid and DevOps environments.**
- **Optimize resources, ensure availability.**
- **Secure virtualization, hardened hypervisor, security-enhanced virtualization.**
- **Virtualize any Linux or Windows application.**
- **54% of public cloud apps run on Linux virtual machines.**
- **Intuitively configure open, scalable software-defined storage.**
- **Simplify storage management, eliminate storage silos.**
- **Securely scale petabytes and beyond.**

Network Automation

- **Improve resource utilization.**
- **Optimize the technology stack.**
- **Integrate anything with open, scalable software-defined environments.**
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- **Validate configurations, repeatable processes to ensure compliance.**
- **Build modern environments, tools, services.**
- **Audit: who ran what, when, where.**
- **Intuitive workflow editor, easily automate playbooks.**
- **Monitor, validate network configuration changes.**
- **Secure, multi-level network management and automation.**

Optimize the Technology Stack

- **Consolidate or distribute environments more efficiently.**
- **Relocate from physical to virtual environments.**
- **Aggregate cloud or physical environments.**
- **Deliver standard operating environments.**
- **Simplify storage management, eliminate storage silos.**
- **Securely scale petabytes and beyond.**
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- **Reduce complexity, any workload, any application.**
- **Optimize resources, ensure availability.**
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Infrastructure and Workload Environment

- **Current State:**
  - Companies struggle with unplanned downtime.
  - 23% of current network components cannot handle workloads.
  - Support for cloud strategy by 2025: 86%.
  - Current automation rate of network, compute, storage:
    - 23% of currently automated
    - 48% of non-automated
  - Lack of skilled professionals: 86% say automation is very important.
  - 49% say lack of skilled professionals for cloud strategy.

- **Future State:**
  - Network, compute, storage:
    - 61% of planned network deployments
    - 54% of planned cloud deployments
  - Security concerns:
    - 80% of unstructured data stored on cloud.
    - 48% of data stored in public clouds.
  - Cloud maturity:
    - 2025: 80% say big data is changing cloud architecture.
  - Cloud cost:
    - 61% say cloud adoption was not as cheap as expected.
  - Usage:
    - 48% of cloud resources not in use.
  - Security:
    - 70% say current storage lock-in concerns.
    - 49% say current storage lock-in concerns.
  - Compliance:
    - 70% say current storage lock-in concerns.
    - 49% say current storage lock-in concerns.
  - Workloads:
    - 87% say current storage lock-in concerns.
    - 49% say current storage lock-in concerns.

- **Red Hat:**
  - Reduce unplanned network downtime.
  - Increase flexibility, improves any cloud cost, maximizes resource utilization.
  - Reduce infrastructure spend.
  - Integrate anything with open, scalable software-defined environments.
  - Free up staff capacity, speed service delivery.
  - Reduce complexity, any workload, any application.
  - Optimize resources, ensure availability.
  - Integrate anything with open, scalable software-defined environments.
  - Free up staff capacity, speed service delivery.
  - Ensure security, harden hypervisor, security-enhanced virtualization.
  - Validate configurations, repeatable processes to ensure compliance.
  - Build modern environments, tools, services.
  - Audit: who ran what, when, where.
  - Intuitive workflow editor, easily automate playbooks.
  - Monitor, validate network configuration changes.
  - Secure, multi-level network management and automation.