



Red Hat Enterprise Linux 8

La base fundacional de la nube híbrida

Paulo Seguel
Sr. Solution Architect

hello world

The intelligent OS for your next big thing.





Red Hat Enterprise Linux 8

Build your future on a stable, high-performing platform that can scale to meet the needs of your organization today and tomorrow.

Red Hat Enterprise Linux 8



Easier adoption
for staff new to Linux®



More subscription value
with Red Hat Insights, now included in all
Red Hat Enterprise Linux subscriptions



Increased speed and ease
of deployment



A consistent experience
across bare-metal, virtual, and public and hybrid
cloud environments



Eased transition
to and adoption of containerized workloads with
community-driven, new container management tools



Broad ecosystem
of supported applications

The foundation of digital transformation



Cloud
Containers
DevOps
Digital
transformation
Artificial intelligence
Internet of things

Digital transformation can be
done with Linux.

Red Hat Enterprise Linux provides an intelligent OS that is the consistent foundation for the enterprise hybrid cloud. It allows you to deliver any application on any footprint at any time, giving you control, confidence, and freedom.



Benefits of a consistent foundation with Red Hat Enterprise Linux

Deliver workloads faster
with less effort

Reduce IT friction
and costs of dynamic
business changes

Increase agility
and reduce time to market
for critical workloads

Deliver any application
on any footprint at
any time

Reduce the friction and cost of change in the support of service delivery



Faster, more consistent delivery in any deployment footprint with full-coverage native automation

Leading, security-focused platform in any cloud infrastructure and for emerging workloads, like machine learning

Seamless, nondisruptive migration process for existing Red Hat Enterprise Linux deployments

Faster training for non-Linux users without fear of the command line

Increase agility and reduce time to market of critical business workloads



Faster time to “hello world” with streamlined access to high-quality open source development tools

Leading database partner for Oracle, SAP HANA®, Microsoft SQL Server, and Postgres

Eased transition to and adoption of containerized workloads with the inclusion of new container tools

Red Hat Insights included with every Red Hat Enterprise Linux subscription



The intelligent operating system

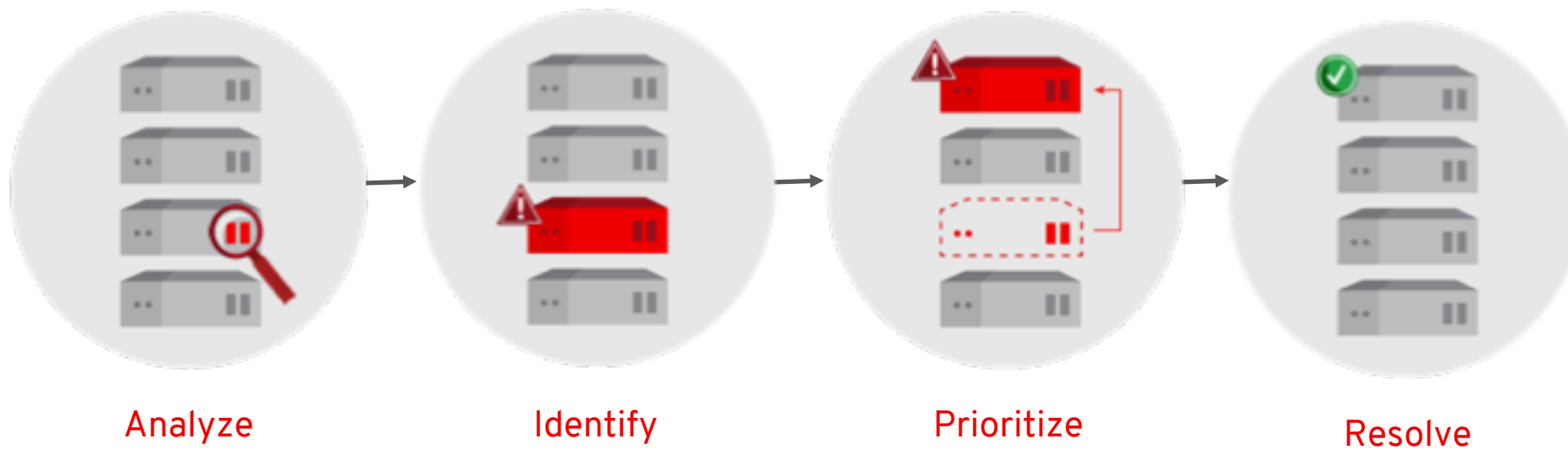
How we deliver it

- Red Hat Insights (Software-as-a-Service/artificial intelligence)
- System roles
- Data compression
- Image builder

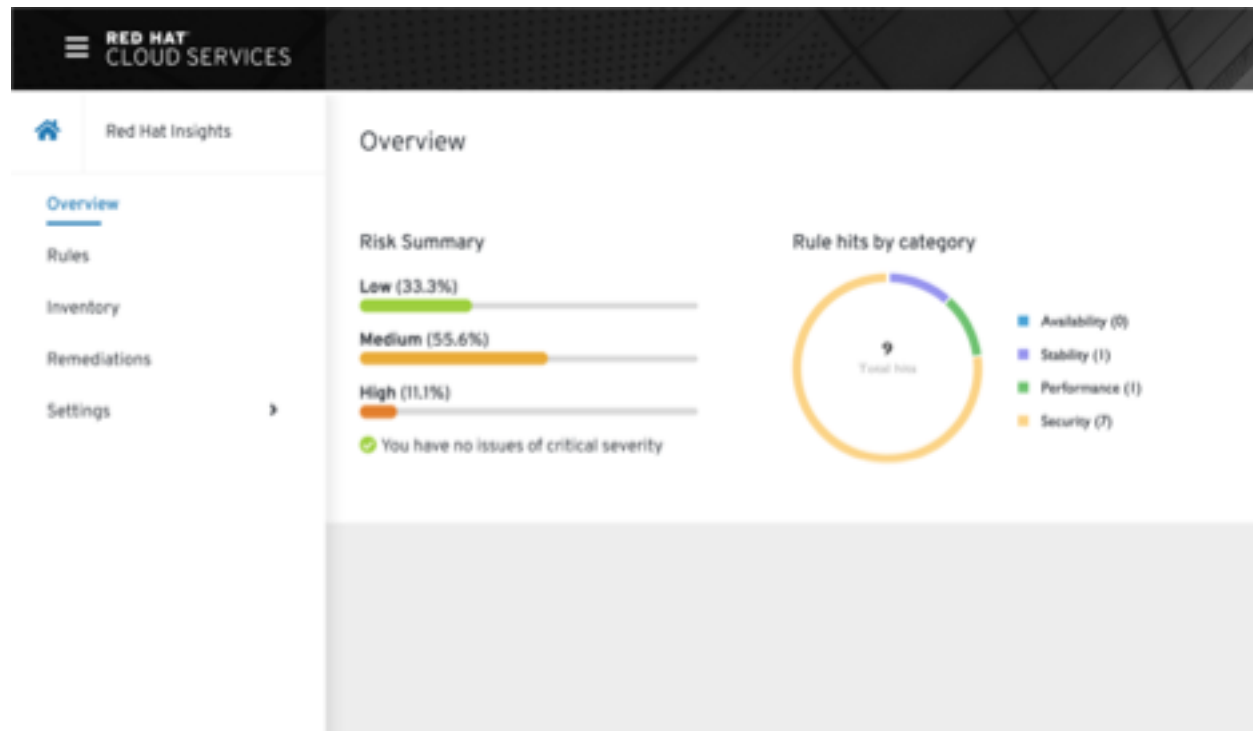
Why you need it

- Built-in management and advice let you do more with less
- You benefit from the collective knowledge of the largest Red Hat Enterprise Linux distributor

Gain operating intelligence



Detect and fix issues with Red Hat Insights



Proactive advice

Identification of issues before they become problems

Continuous assessment

Real-world results to help find new risks

Simpler remediations

Tailored results at the host level



Faster and easier to deploy

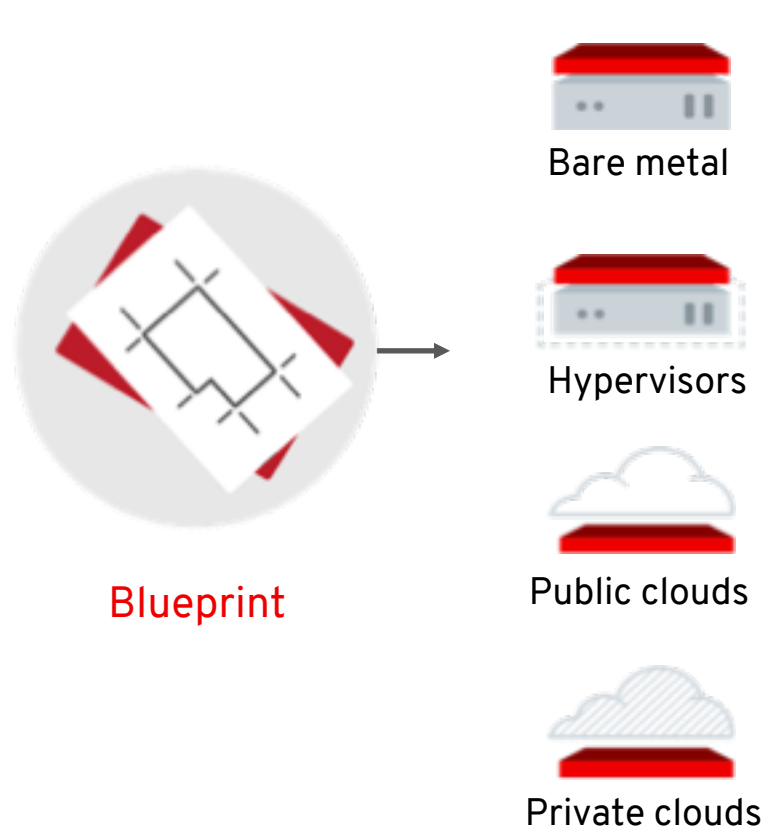
How we deliver it

- Image builder
- Single variant for multiple use cases
- In-place upgrades

Why you need it

- Your digital journey requires fast adoption and deployment

Create images for all your environments with image builder



Single source

Lets you create gold images for any environment from the same blueprint increasing stability and consistency

Any footprint

Supports public cloud, private cloud, enterprise hypervisors, and bare metal

Simple interface

Provides web-based view within the web console for selecting packages and creating blueprints



Enterprise application support

How we deliver it

- Key independent software vendor offerings (e.g., SAP, Microsoft SQL Server)

Why you need it

- Red Hat Enterprise Linux 8 supports a broad ecosystem of applications from leading ISVs

Optimized experiences for mission-critical databases

Microsoft SQL Server

- Red Hat Enterprise Linux is the reference platform for SQL Server on Linux
- Benchmark-breaking performance
- Fast deployment and portability via containers



- Red Hat Enterprise Linux is 1 of only 2 certified Linux distributions
- More than 20 years of Red Hat and SAP joint engineering collaboration
- Exceptional performance and scalability –the largest SAP install in the world runs on Red Hat Enterprise Linux

Hardware partner ecosystem

SILICON

OEMS

IHVS



Red Hat Certified Cloud and Service Providers





Security

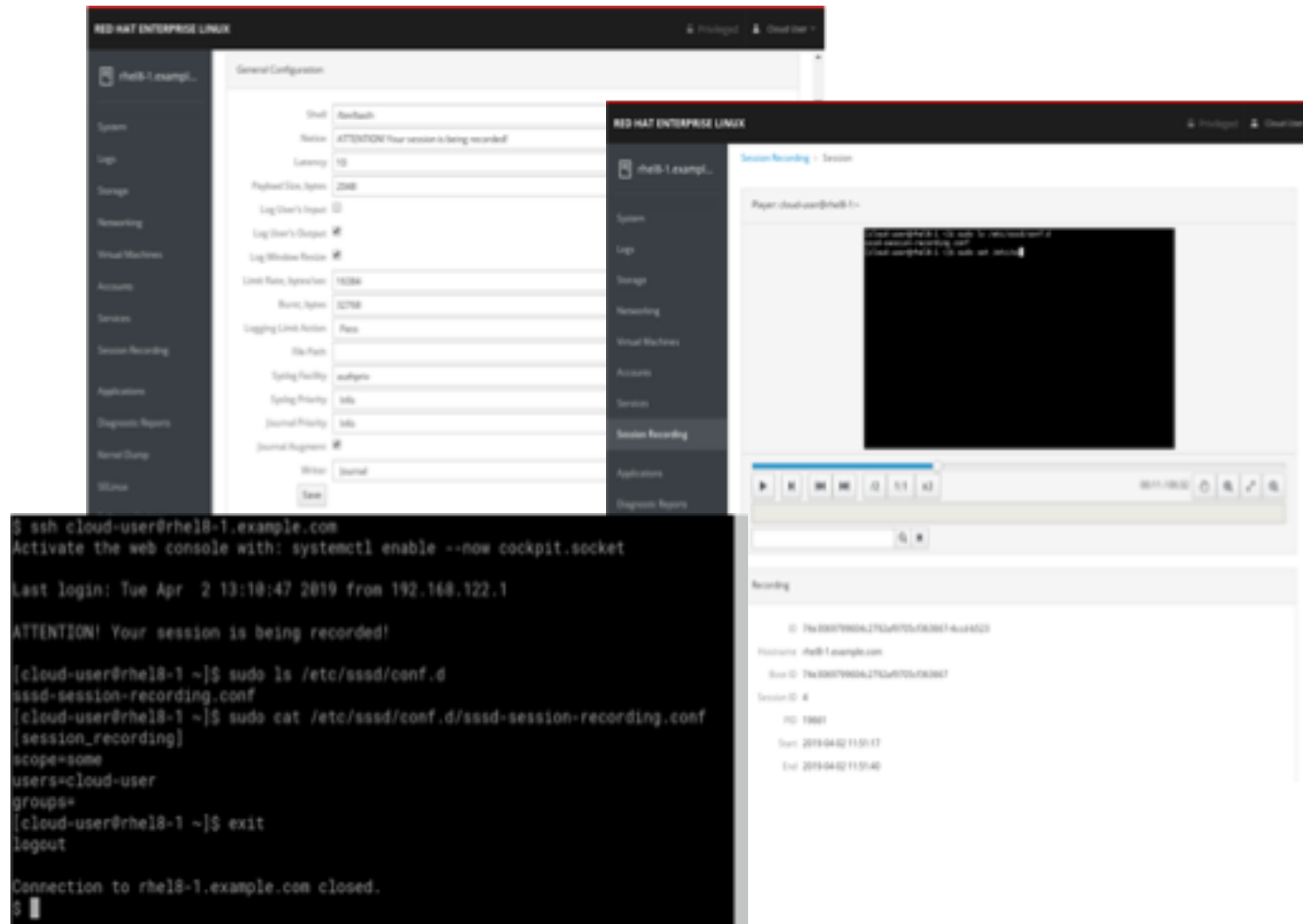
How we deliver it

- Systemwide encryption policy
- Nftables/firewalld

Why you need it

- You spend less effort and time managing and configuring services for security needs, without compromising core security needs

Recording user terminal sessions



Audit activities

Create a record of actions taken for review against security policies

Create visual guides

Build run books and training materials with demonstrations

Record and play back

Logged via standard channels with multiple playback options



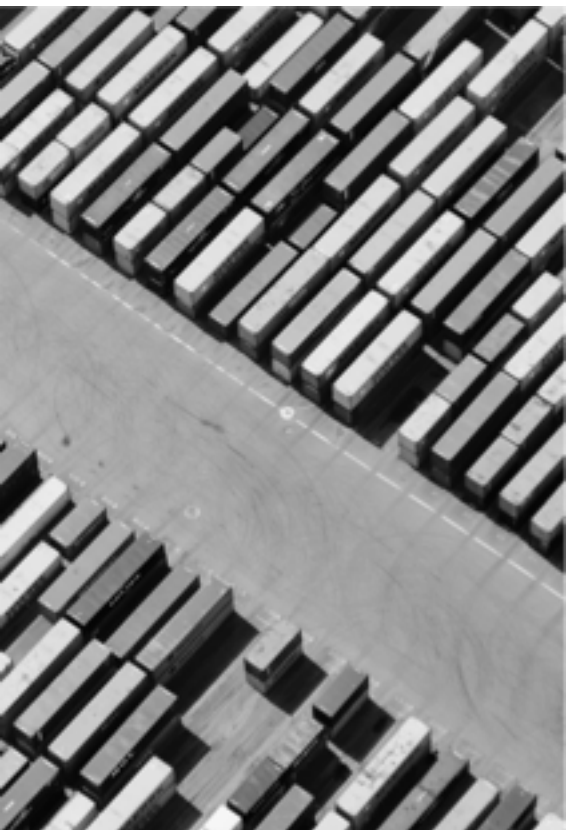
Open hybrid cloud and multicloud

How we deliver it

- Amazon Web Services
- Microsoft Azure
- Google Cloud
- Bare metal
- Virtual

Why you need it

- You get to enjoy the same Red Hat Enterprise Linux experience regardless of the underlying infrastructure



Containers

How we deliver it

- New tools
- Red Hat Universal Base Image

Why you need it

- Building, running, and managing containers shouldn't need root privileges or a daemon
- The foundation for building enterprise-ready containerized applications is more secure and reliable.



Open source integration

How we deliver it

- Application stream
- Predictable release cadence

Why you need it

- You can't wait for a new major release in order to access new userspace packages such as languages and frameworks



DevOps

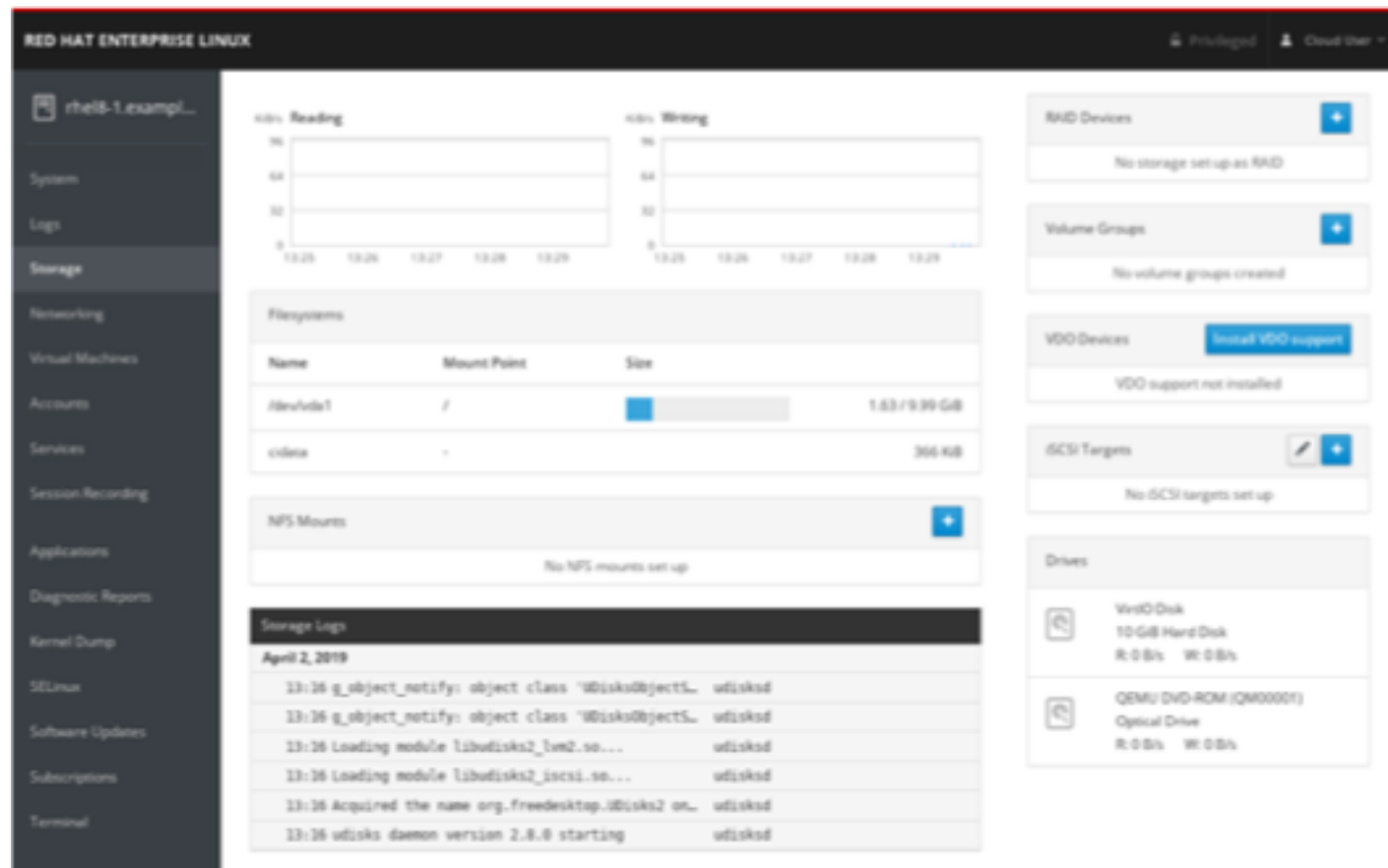
How we deliver it

- Web console
- System roles

Why you need it

- Everyone, not just those comfortable with the command line, can participate in the process.

Remote single-system views in the web console



Browser-based interface

Offers remotely accessible user interface using host security mechanisms

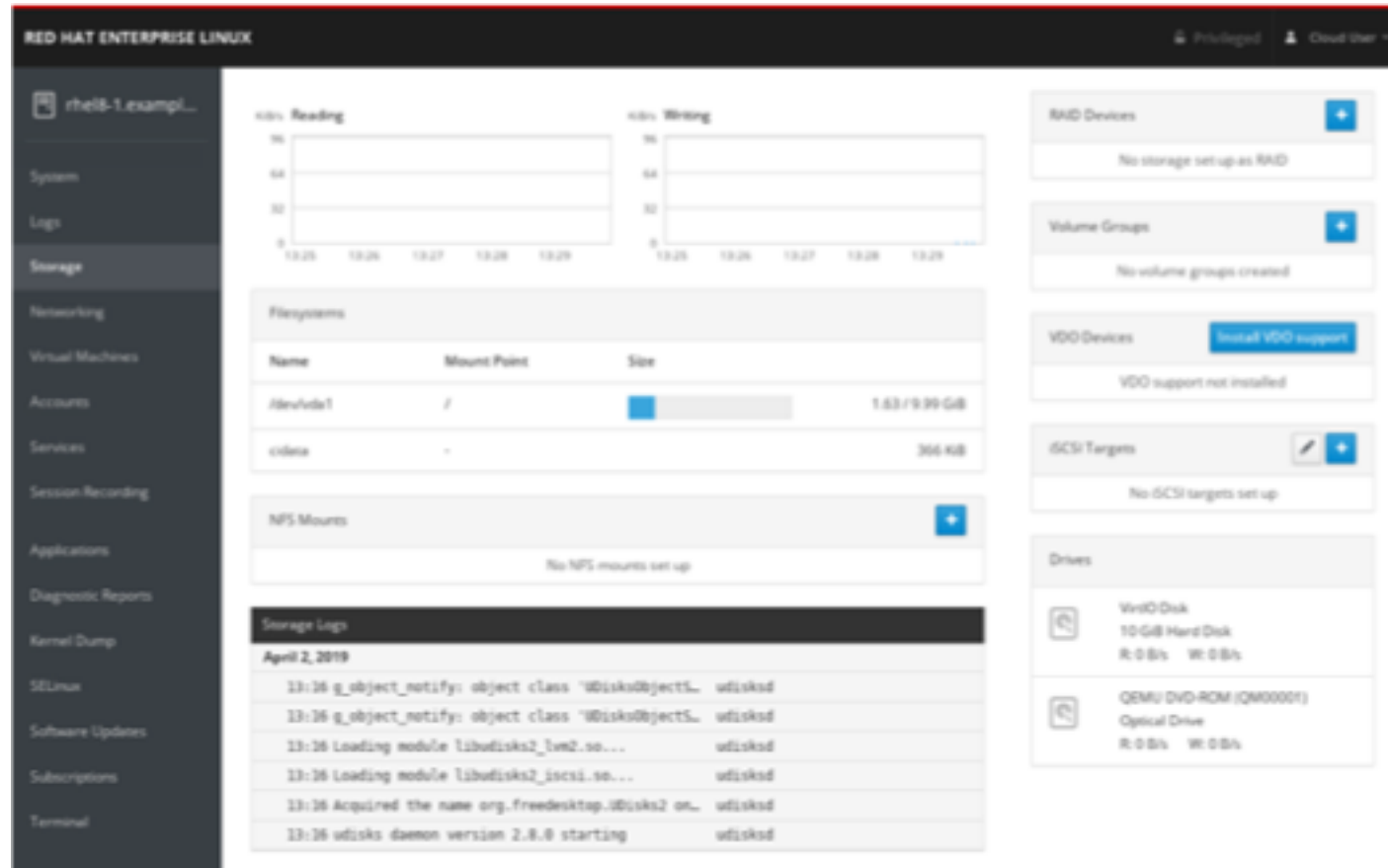
Consolidated view

Provides single view of tasks to speed understanding and completion

Standard management tools

Uses system tools to change state, not a separate workflow

New in the web console



Virtual machines

Create and manage virtual machines

Network-bound disk encryption

Enroll disks with Tang server and manage LUKS keys

Single sign-on configuration

Automatically configure when joining a domain



Services

How we deliver it

- Upgrade Services
- Standard Operating Environment (SOE) Best Practices
- Security Services

Why you need it

- Take advantage of upgrade capability & automation to accelerate evolution & reduce upgrade risks.
- Establish strong practices for SOE definition and automation.
- Establish automated security and compliance workflows.



Developers

How we deliver it

- Polyglot out-of-the-box
- Built for Containers
- Developer Resources

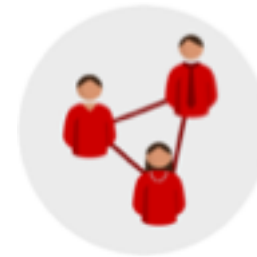
Why you need it

- Java, GCC, Go, Rust, .NET Core, Python, PHP, Node.js, more
- Expanded set of container dev tools
- Access to RHEL 8 downloads, How To's, Get Starteds, RHEL 8 cheat sheet, articles, more.

Red Hat value continues,
because of how we do what we
do



Value of subscription



Community



Foundation to
the Red Hat portfolio

FROM OUR CUSTOMERS

"We're pleased to see improved container capabilities in the OS and extensive automation."

-Tibor Incze, technical lead for
Red Hat Enterprise Linux, Datacom Systems Ltd



FROM OUR CUSTOMERS

"We are very interested in the container capabilities presented by Red Hat Enterprise Linux 8."

-Jason Beard, Sr Linux Administrator, Stream (Stream Energy)



FROM OUR CUSTOMERS

"Red Hat Enterprise Linux 8 AppStreams will allow us to provide our researchers...[with] access to up-to-date languages & tools in a way that interoperates easily with third-party source code."

-Jim Nauer, IT engineer, Case Western Reserve University



FROM OUR CUSTOMERS

"Red Hat Enterprise Linux 8 emphasizes providing innovation along with hardened code and security updates."

-Fabio Martinez, senior manager,
Architecture & Global Deployment, BBVA



To learn more more about
Red Hat Enterprise Linux 8, visit:

<https://www.redhat.com/helloworld>

Thank you

Red Hat is the world's leading provider of enterprise open source software solutions. Award-winning support, training, and consulting services make Red Hat a trusted adviser to the Fortune 500.



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