



RED HAT ENTERPRISE LINUX CAN DO THAT?

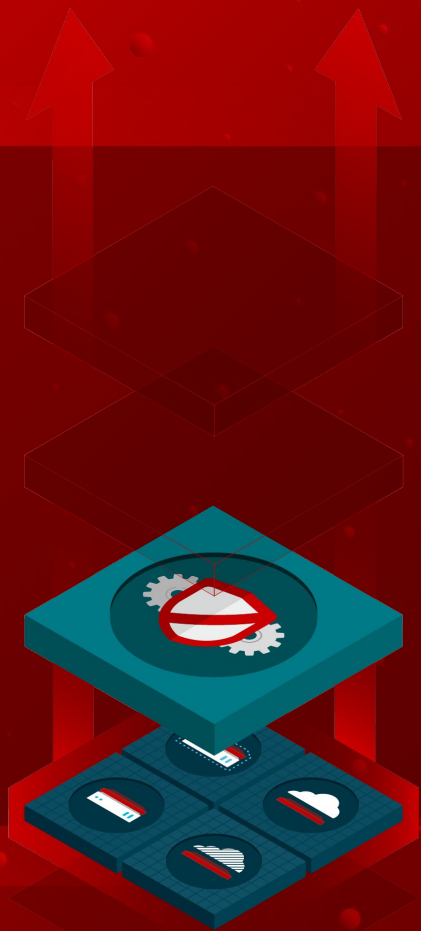
PLATFORM FOR TRADITIONAL AND NEXT
GENERATION WORKLOADS



RED HAT ENTERPRISE LINUX



ANY APP,
ON ANY FOOTPRINT,
ANYWHERE.



CONTROL



Security and compliance



Platform manageability



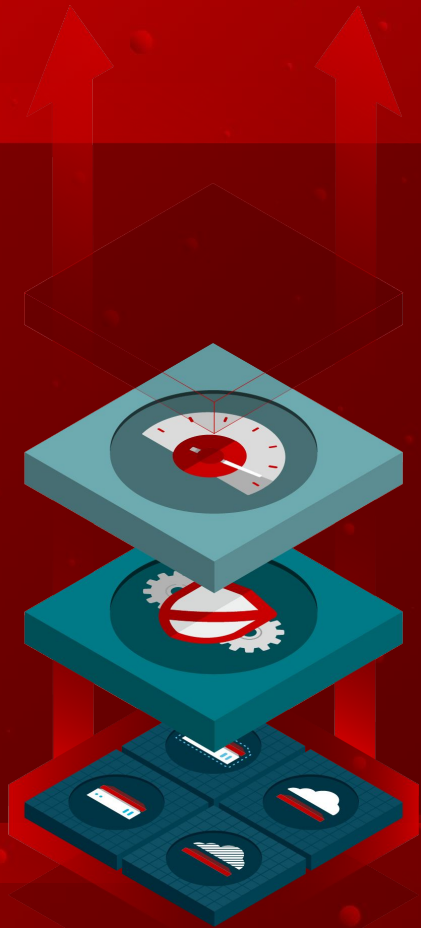
Security
automation



Native
controls



Management
at scale



CONFIDENCE



Stability and reliability



Performance and efficiency



High
availability



10+ year
life cycle



Benchmark-breaking
performance




FREEDOM

 Application experience

 Multi-platform support

 Ecosystem

 Cloud/hardware independent

 Thousands of certified solutions

 Containers and development tools



TRADITIONAL WORKLOADS

Most enterprise software companies have versions of their software for Red Hat® Enterprise Linux®

Application delivery

Backup & recovery

Business intelligence

Business process management

Capacity management

Collaboration/groupware/messaging

Content management/authoring

Customer relationship management

Database & data management

Dev tools

Enterprise resource planning

Management

Migration

Monitoring

Network management

Networking

Performance & availability

Policy enforcement

Scheduling

Search

Security

Storage

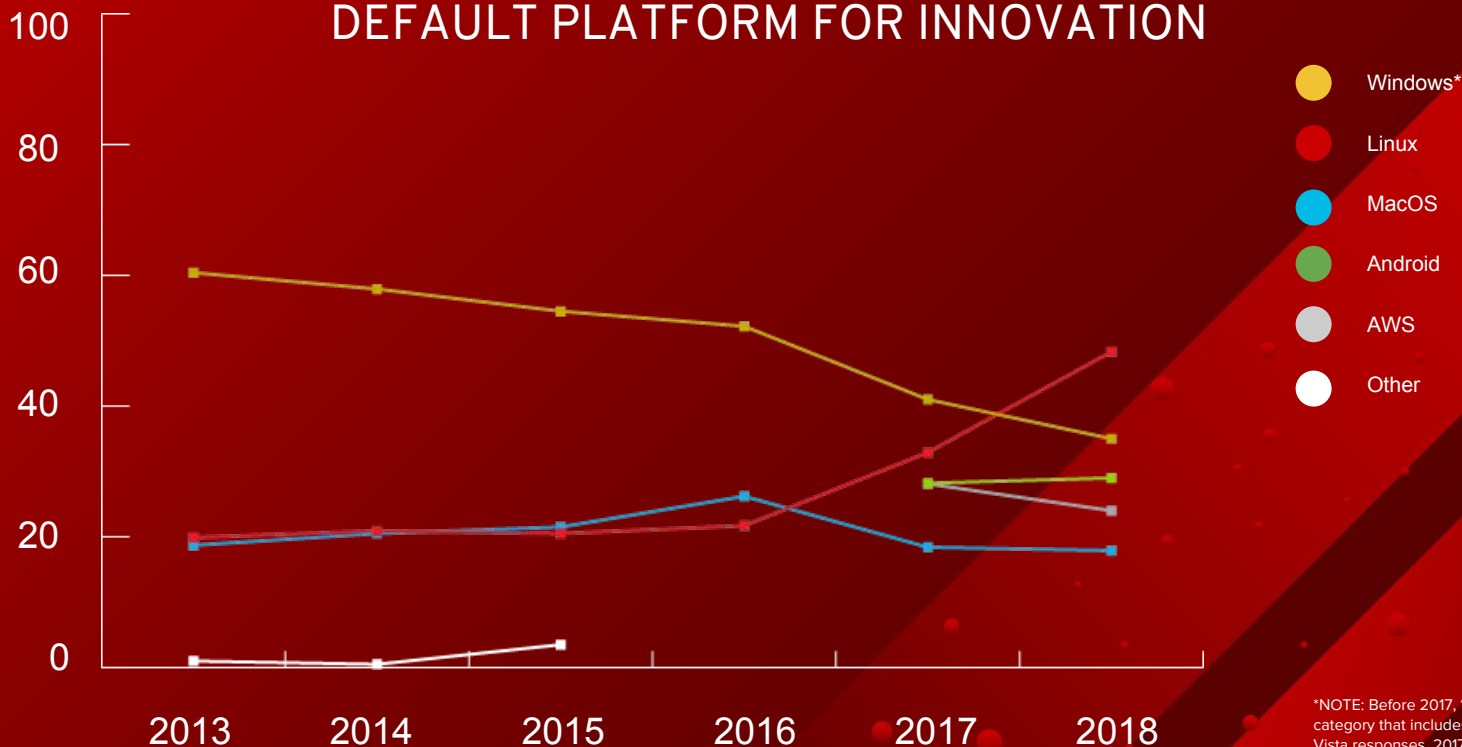
VNF

Virtualization

NEXT GENERATION INFRASTRUCTURE

LINUX IS THE MOST-USED PLATFORM

DEFAULT PLATFORM FOR INNOVATION



*NOTE: Before 2017, "Windows" is an aggregate category that includes Windows 10, 8, 7, XP, & Vista responses. 2017 & 2018 surveys only offered the single option: Windows Desktop or Server.

Sources: Most popular technology platforms, Stack Overflow, [Developer Survey Results 2018](#) & [Developer Survey Results 2017](#).
Most popular desktop OS, Stack Overflow, [Developer Survey Results 2013-2016](#).

THE OS STILL MATTERS

LINUX IS THE FOUNDATION FOR MODERN IoT, CONTAINERS, SERVICES, & MORE



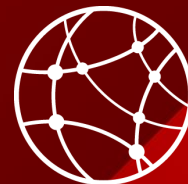
Everything-as-a-Service



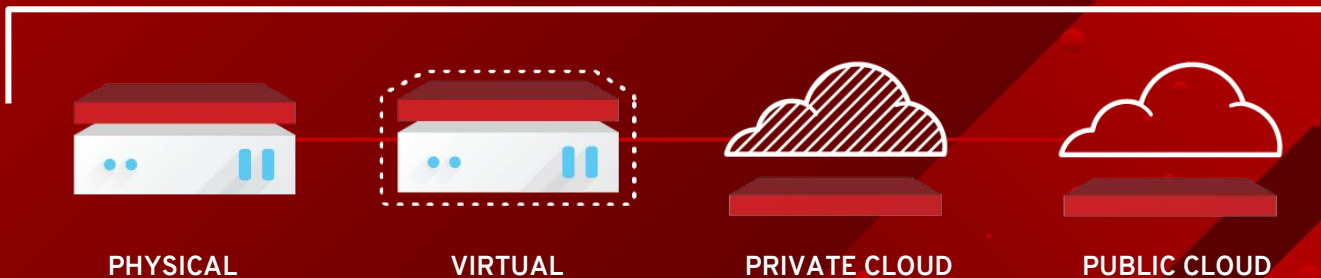
Modern apps



Containers & microservices



ISV



RED HAT ENTERPRISE LINUX

NEXT GENERATION WORKLOADS



**DATA
INSIGHTS**



**ARTIFICIAL
INTELLIGENCE**



**CLOUD-NATIVE
APPLICATIONS**



**INTERNET
OF THINGS**

COMPLEXITY

We used to manage servers, now I have to worry about light bulbs sending info to the internet



CONTROL WITH PLATFORM MANAGEABILITY

Red Hat® Enterprise Linux®



42%

time savings
for IT staff



74%

less unplanned downtime
compared to non-paid
Linux infrastructure

SPEED

image building, deployment,
and patch management.

AUTOMATE

Deployment, upgrades and
management of your
infrastructure

SCALE

With multi-tenant overlay
tunneling and multi-homed
SCTP

CONTROL

costs associated with IT
infrastructure changes.

RELAX

With simple management of
infrastructure and networking
services

ENABLE

Efficient cloud multi-tenancy

Focus on **EASE OF MANAGEMENT AT SCALE**

* First distribution with Linux Containers Framework Support to be Common Criteria-certified, NIST-certified scanner includes National Checklist content for PCI-DSS, DISA STIG, etc.

CONTROL WITH SECURITY AND COMPLIANCE

Red Hat® Enterprise Linux®



Common Criteria & FIPS 140-2*



AUTOMATE

regulatory compliance
and security configuration
remediation.

GAIN

peace of mind with the
Red Hat open source
secure supply chain and SSO.

RECEIVE

continuous vulnerability
security updates.

ENABLE

Hybrid cloud deployments,
working in a heterogeneous
environment



Focus on **FORTIFYING CUSTOMER DEPLOYMENTS**

RED HAT INSIGHTS

Proactively identify threats to security, performance, and stability





Use this chart to drill down and discover problems within your organization.

There are **10** stability action(s) detected from systems in your organization.

Stability

Overview / Stability



Section	Severity	Count
 _____		2
 _____		3
 _____		2
 _____		2
 _____		1

WHY RED HAT INSIGHTS?

Identify, prioritize, and resolve issues before business operations are affected.



ACTIONABLE INTELLIGENCE POWERED BY RED HAT

Confidently scale complex environments with no added infrastructure cost.



CONTINUOUS VULNERABILITY ALERTS

Maximize uptime and avoid fire-fighting so businesses can focus on strategic initiatives.



INCREASED VISIBILITY TO SECURITY RISKS

Get ahead of security risks and fix them before businesses are impacted.



AUTOMATED REMEDiation

Minimize human error, do more with less, and fix things faster.

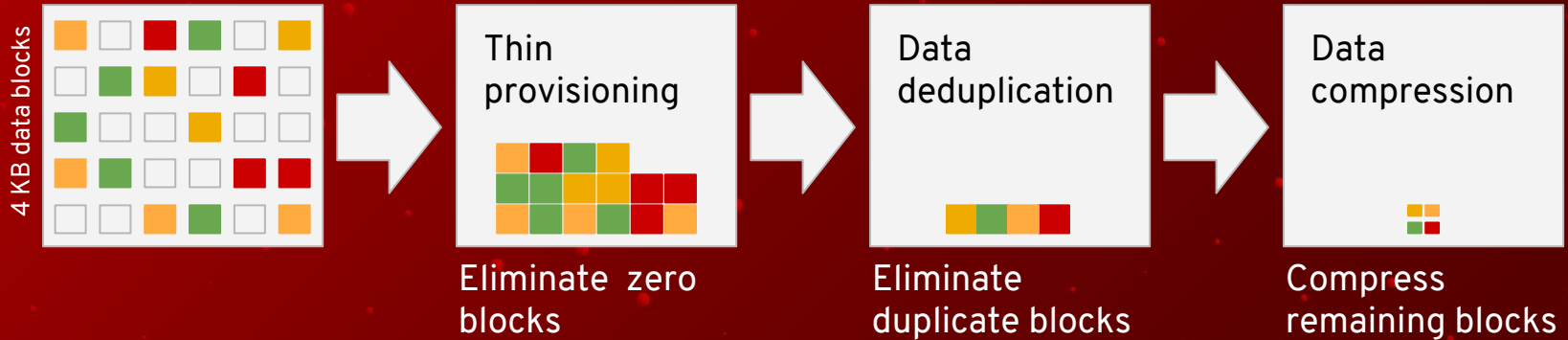
BIG DATA



Extremely large data sets that may be analysed computationally to reveal patterns, trends, and associations, especially relating to human behaviour and interactions.

OPTIMIZED FOR BIG DATA

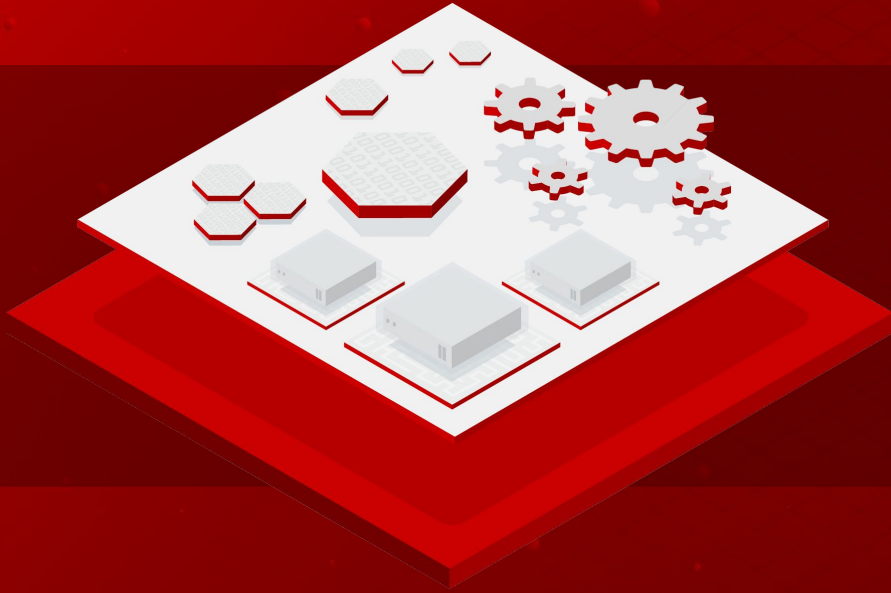
VDO data reduction processing



INTERNET OF THINGS



SOFTWARE-DEFINED NETWORKING



Network namespaces

Bridging

Firewalling

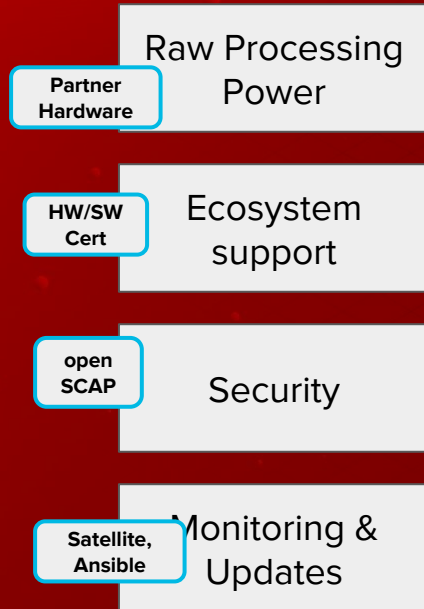
Virtual private networking

VLAN capabilities

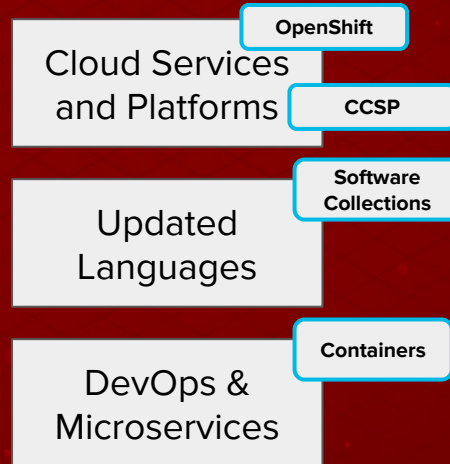
CLOUD NATIVE APPLICATIONS

Centralized, scale-up IT with cloud-based scale-out consumer-facing services

Centralized Data Processing



Modern Web Services



Deployment Footprints



CONTAINERIZATION



Kernel control groups

SELinux

Kernel namespaces

CRI-O

Kubernetes

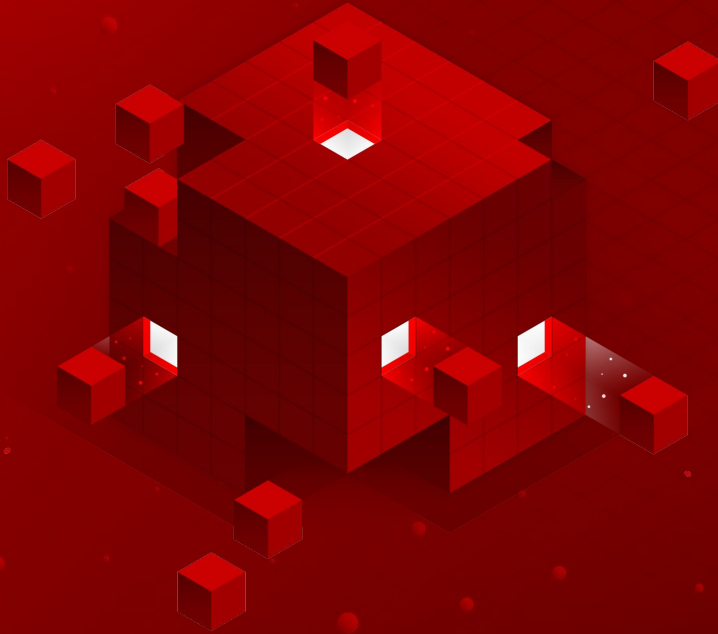
THE CONTAINER HEALTH INDEX

The screenshot shows the Red Hat Container Catalog interface. At the top, there are navigation links for SUBSCRIPTIONS, DOWNLOADS, and SUPPORT CASES. Below that is the Red Hat logo and 'CUSTOMER PORTAL'. The main navigation includes Products & Services, Tools, Security, and Community. A search bar is present with the text 'Red Hat Container Catalog' and 'Search The Catalog'. Below the navigation, the page title is 'Enterprise-ready Containers' with the subtitle 'Your trusted source for secure, certified, and up-to-date container images'. There are two tabs: 'Recently Updated' (selected) and 'Recently Added'. Three container image cards are displayed, each with a title, description, and a table of metrics:

LAST UPDATE	HEALTH INDEX	PULLS
a day ago	A	↓ 281
a day ago	A	↓ 186
a day ago	A	↓ 175

- Trusted Container Images with trusted content
- Container Health Index
 - Quickly assess the content and potential CVEs.
- Red Hat security expertise
- All images are signed and cryptographically verifiable.

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING



ARTIFICIAL INTELLIGENCE

The ability for software to accept input and make decisions based on that input to complete a goal.

ARTIFICIAL INTELLIGENCE

Predicting the next fidget spinner with a real-time in-memory application

Runtime and Deps

In-memory db

CUDA

Next-gen Scalability

Five-level paging

Persistent Memory

GPU Virtualization

Efficiency

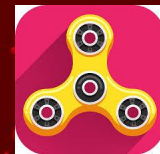
HMM

Guest level optimizations

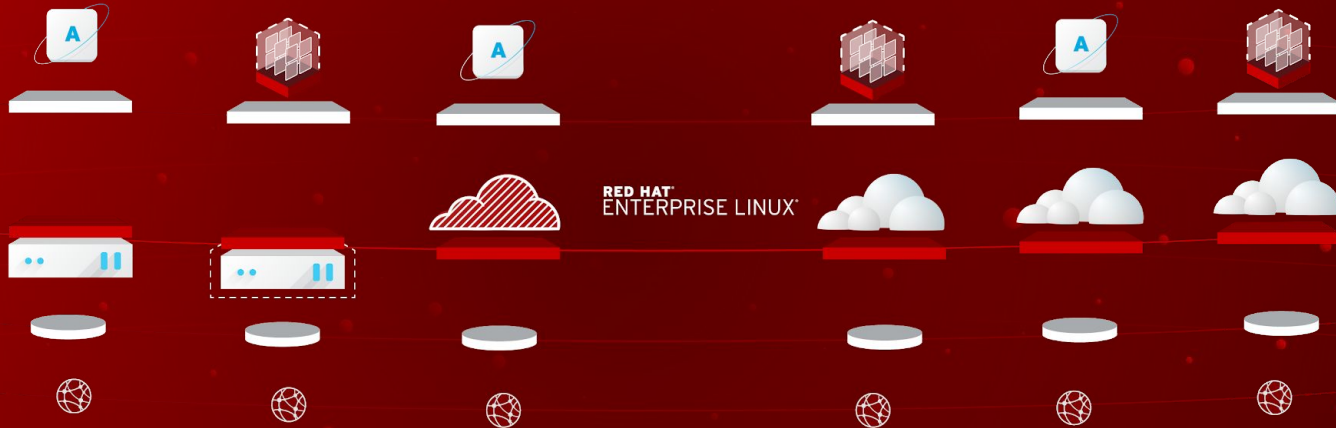
GPU drivers

Host level optimizations

Deployment Footprints



THE CONSISTENT FOUNDATION FOR THE ENTERPRISE HYBRID CLOUD



Power the applications that **DRIVE YOUR BUSINESS**



plus.google.com/+RedHat



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youtube.com/user/RedHatVideos