



Red Hat Enterprise Linux

Introducing RHEL6 and packaging options

6 RED HAT®
ENTERPRISE LINUX®

Introducing Red Hat Enterprise Linux 6

- **Extensive improvements in every dimension**
 - Efficiency, scalability and reliability
 - Unprecedented resource management
 - Focus on security
 - Superior application development and production platform
 - Integrated virtualization
 - Enterprise manageability



Facts and Figures

Red Hat Enterprise Linux 6

Released November 10th, 2010



Represents more than 600 person years by Red Hat engineers

85% more packages than Red Hat Enterprise Linux 5

1,821 customer/partner requested features included

14,631 resolved issues from partner, customer & community reports

3.7 GB of content
2,957 binary RPMs

847 features & fixes verified by partner QA teams

Red Hat engineers are based in 26 countries

3,900 additional kernel enhancements to 2.6.32

Kernel based on 2.6.32 with many features from .33 & .34

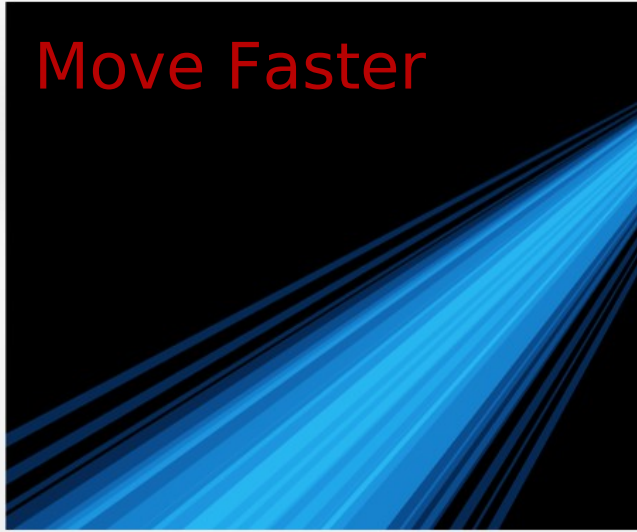
Red Hat is the lead developer of kernel features

Red Hat Enterprise Linux design allows smooth integration of future features



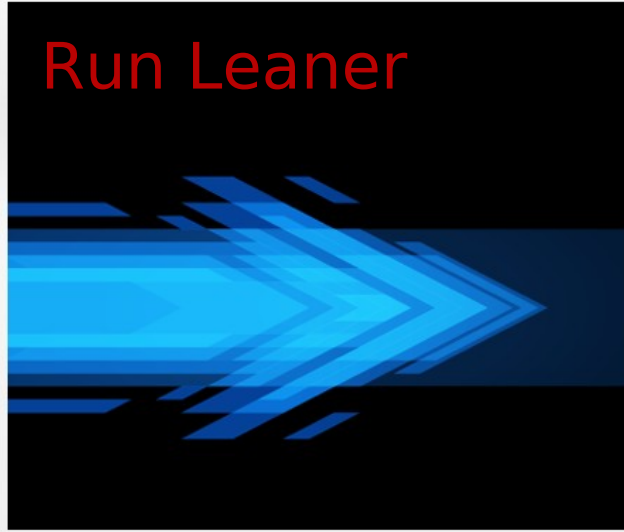
Red Hat Enterprise Linux: Enabling the New Now

Move Faster



A better starting point for every project because your platform is robust, secure and ready

Run Leaner



Data Center efficiency, performance and scalability

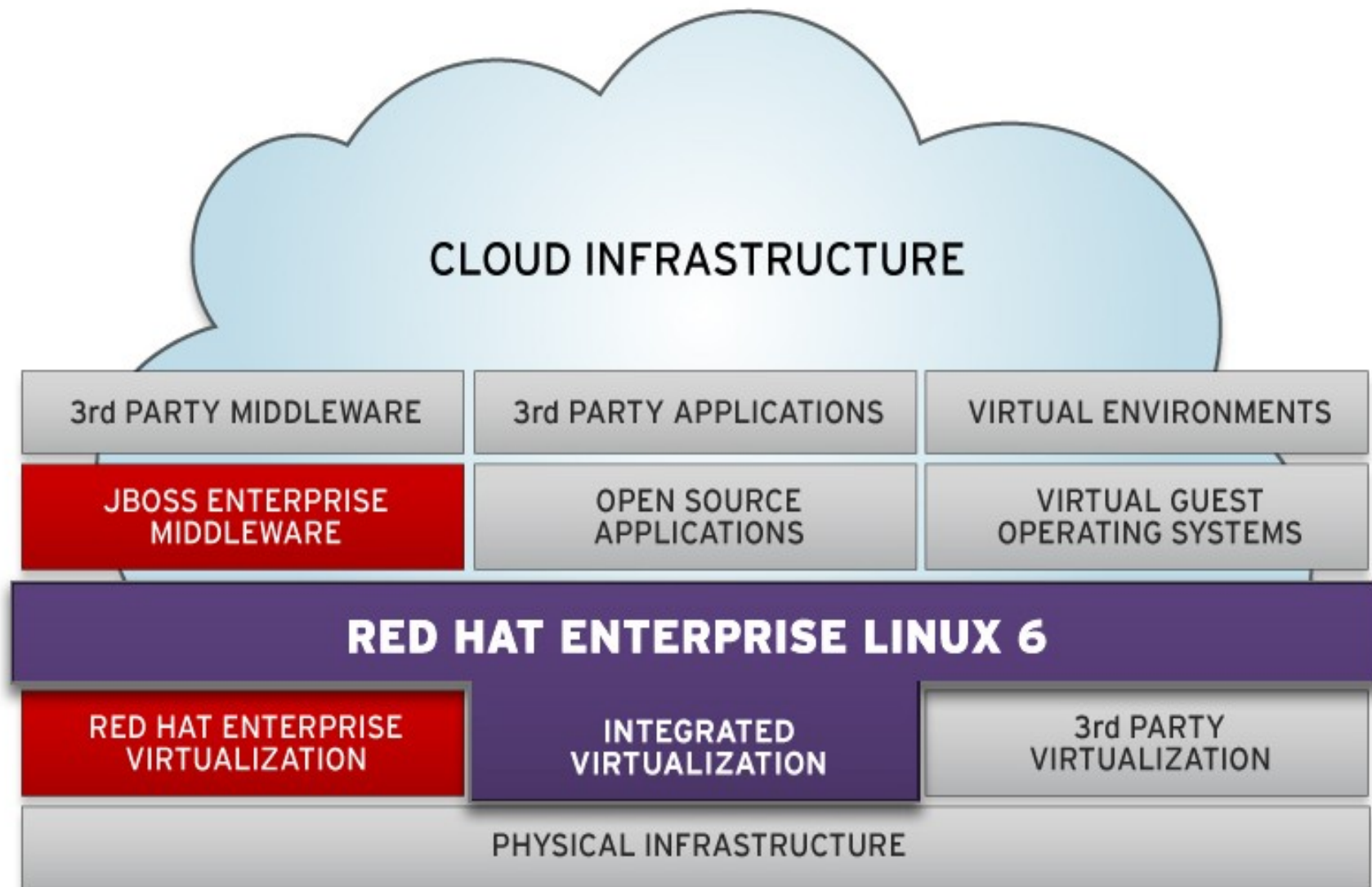
Be More Flexible



Making IT nimble across physical, virtual and cloud



Physical to Virtual to Cloud



Be More Flexible

Includes Our Packaging Model



RHEL Subscription

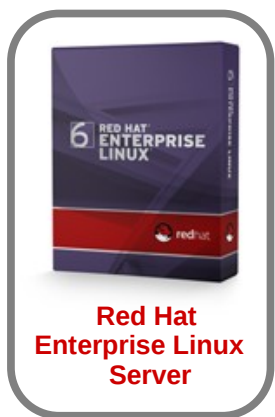
- Not tied to a specific system
- Virtualization option included
- Hypervisor neutral pricing
- Ability to pool and stack subscriptions
- Add-ons for workload specific features



The Red Hat Enterprise Linux Product Portfolio

Servers (x86)

One solution – three editions



Servers (other architectures and use cases)

Four additional offerings



Red Hat Enterprise Linux for IBM System z



Red Hat Enterprise Linux for IBM POWER



Red Hat Enterprise Linux for High-Performance Computing



Red Hat Enterprise Linux for SAP Applications

Add-Ons (optional software)

Seven add-ons

High Availability

Load Balancer

Resilient Storage

Scalable File System

Smart Management

High Performance Network

Extended Update Support










Desktops

Two offerings



Red Hat Enterprise Linux Add-ons

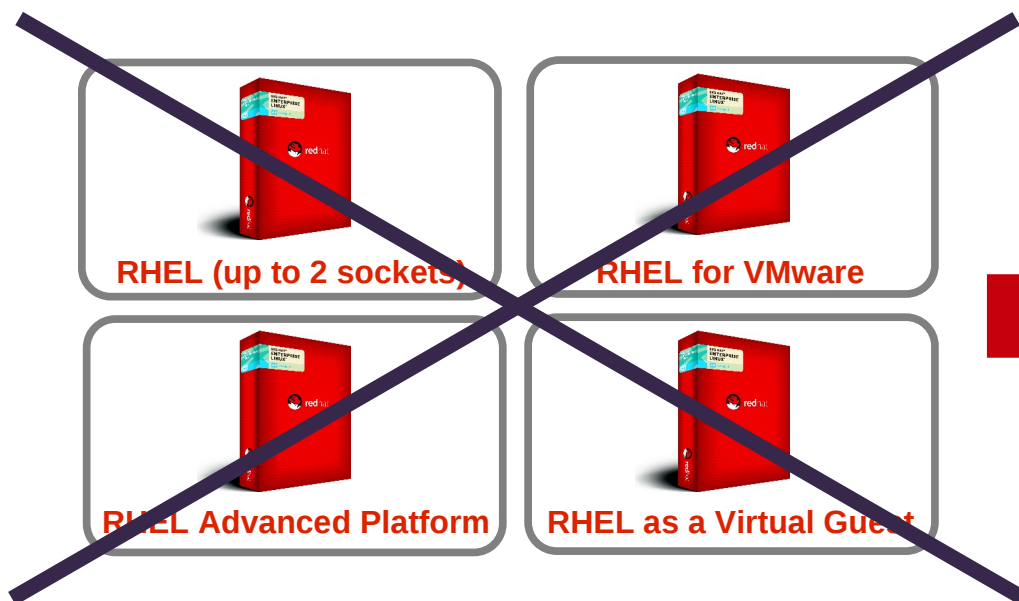
 RED HAT® ENTERPRISE LINUX® +High Availability	May be configured for most applications that use customizable agents, as well as for virtual guests.
 RED HAT® ENTERPRISE LINUX® +Load Balancer	Provides redundancy for web serving, databases, networking, and storage.
 RED HAT® ENTERPRISE LINUX® +Resilient Storage	Enables a shared storage or clustered file system to access the same storage device over a network.
 RED HAT® ENTERPRISE LINUX® +Scalable File System	Provides support for file systems that are more than 16 terabytes in size.
 RED HAT® ENTERPRISE LINUX® +Smart Management	Includes management, monitoring, and provisioning support modules for Red Hat Network and Red Hat Network Satellite.
 RED HAT® ENTERPRISE LINUX® +High Performance Network	Delivers remote directory memory access over converged Ethernet (RoCE) for those times when low network latency and high capacity are important.
 RED HAT® ENTERPRISE LINUX® +Extended Update Support	Extends the support period of an update for 18 months and delivers overlapping release support to give enterprise customers more flexibility.



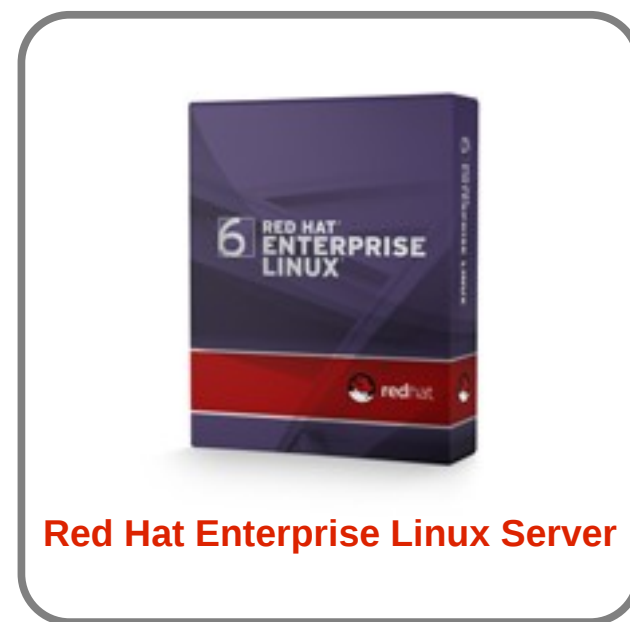
The simplified RHEL product portfolio

Replacing the four RHEL Server products with one Red Hat Enterprise Linux Server

**Offerings available
prior to November 2010**



**Solution available
November 2010**



Note: Subscription price based on number of socket-pairs in a physical server



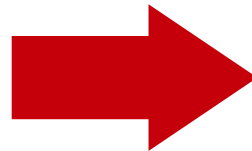
The simplified RHEL product portfolio

To allow customers to buy one subscription and use it on bare metal or in a virtualized environment, RHEL Server is available as three editions. The difference among the three editions is the number of RHEL virtual guests supported on a single server.

One solution for servers . . .



Red Hat Enterprise Linux Server



. . . available in three editions



RHEL Server
1 RHEL guest



RHEL Server
4 RHEL guests




RHEL Server
Unlimited RHEL
guests



The simplified RHEL product portfolio

- Price is based on the number of populated sockets in the server – “socket-pair”
 - RH0001 = RHEL, Premium (2-socket) = 1 x \$1,299/socket-pair = \$1,299
 - RH0002 = RHEL, Premium (4-socket) = 2 x \$1,299/socket-pair = \$2,598
 - RH0003 = RHEL, Premium (8-socket) = 4 x \$1,299/socket-pair = \$5,196

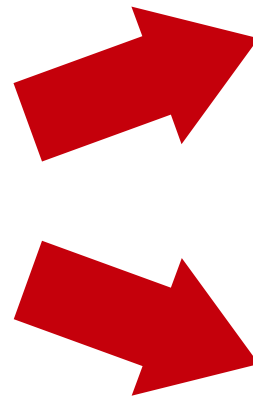


**Red Hat Enterprise Linux Server
with 1 guest**

Premium
\$1,299/socket-pair/year

Standard
\$799/socket-pair/year

Self-support
\$349/socket-pair/year



1

RHEL Server, Prem
\$1,299/yr

2-socket server



1

RHEL Server, Prem
\$2,598/yr

4-socket server



1

RHEL Server, Prem
\$5,196/yr

8-socket server



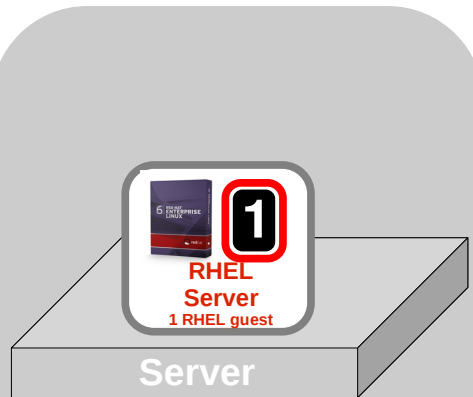
Red Hat Enterprise Linux Server

- Priced competitively and fairly for customers who want to run RHEL Server in a virtualized environment



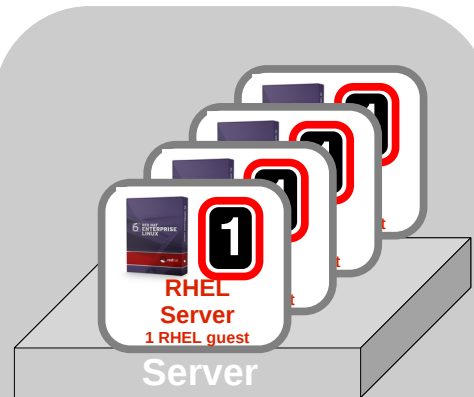
What you can
deploy:

**RHEL Server
with 1 guest**



1x RHEL VM

**RHEL Server
with 4 guests**



4x RHEL VMs

**RHEL Server
with unlimited guests**



Unlimited RHEL VMs

But, pay the
equivalent of:

1 x



1.5 x



2.5 x



What can I do with my RHEL Server subscription?

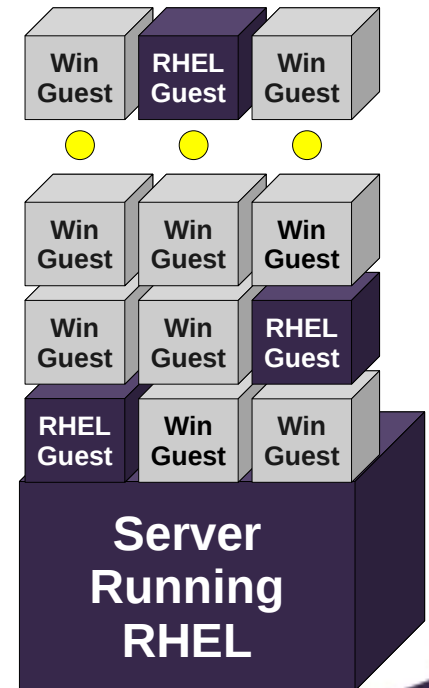
- You can run one bare metal host with RHEL
- You can create all the non-RHEL virtual guests you want
- Choose the appropriate RHEL Server edition for the number of guests



OR

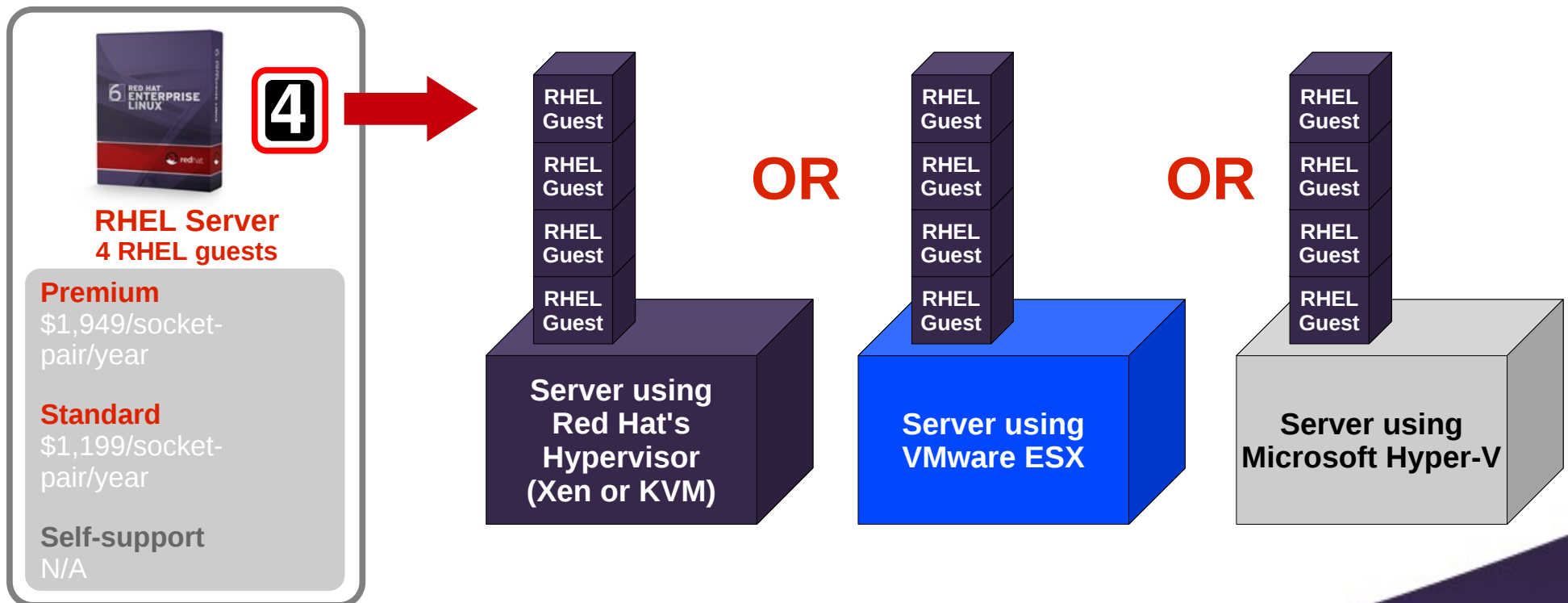


OR



What can I do with my RHEL Server subscription?

- You can run one bare metal host with RHEL
- You can create all the non-RHEL virtual guests you want
- Choose the appropriate RHEL Server edition for the number of guests
- **Deploy those RHEL guests on your choice of four hypervisors**



Red Hat Enterprise Linux Server Support Options

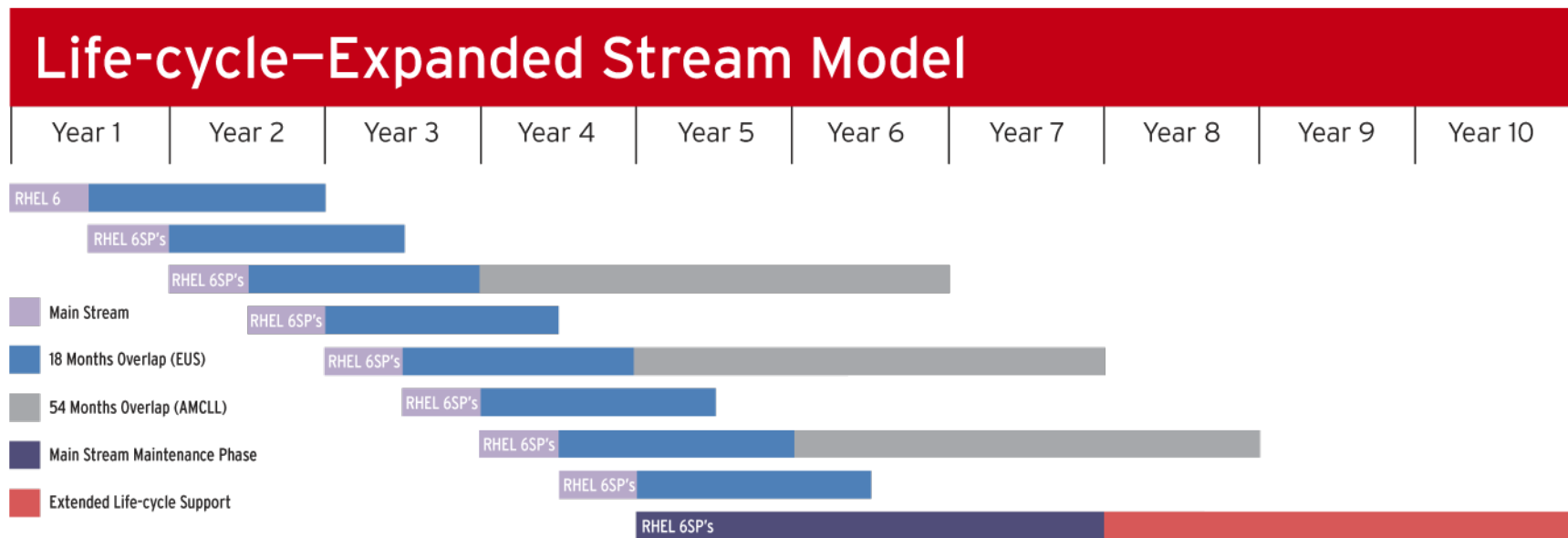
	Self-support*	Standard	Premium
Hours of coverage:	None	Business Hours	24x7 for Severity 1 and 2
Support channel:	None	Phone and Web	Phone and Web
Number of cases:	None	Unlimited	Unlimited
Initial and ongoing response times:			
- Severity 1	None	1 Business Hour	Initial – 1 Hour Ongoing – 1 Hour**
- Severity 2	None	4 Business Hours	Initial – 2 Hours Ongoing – 4 Hours**
- Severity 3	None	1 Business Day	Initial – 4 Business Hours Ongoing – 8 Business Hours**
- Severity 4	None	2 Business Days	Initial – 8 Business Hours Ongoing – 2 Business Days**
Customer portal access:	Yes	Yes	Yes
Software Maintenance:	Included	Included	Included
Software upgrades:	Included	Included	Included

*Self-support replaces Basic support

**or as agreed



Red Hat Enterprise Linux Life-cycle



- Service Packs with hardware enablement during Production I phase of four years.
- Total of seven years for the regular life-cycle
- 3 years Extended Life-cycle Support (ELS) option
- 8 EUS streams with 18 month overlap each



Industry Acclaimed Red Hat Global Services and Support

Leading Provider of Open Source Services and Support

Available in 152 countries

2009 IDC MarketScape Report: “Red Hat #1 in IT education”



RHEL 6.0 Version Migration Service

- Provides on-site installation and configuration support to organizations migrating from Red Hat Enterprise Linux 5.0 to Red Hat Enterprise Linux 6.0.
- Ensures optimal deployment of RHEL 6.0, mitigating system disruptions.

Engagement scope:

- Installation Red Hat Enterprise Linux 6.0.
- Analysis and reporting of configuration deltas between versions.
- Assistance with porting common configuration deltas to new systems.
- Assistance with porting custom configurations to new systems (optional).



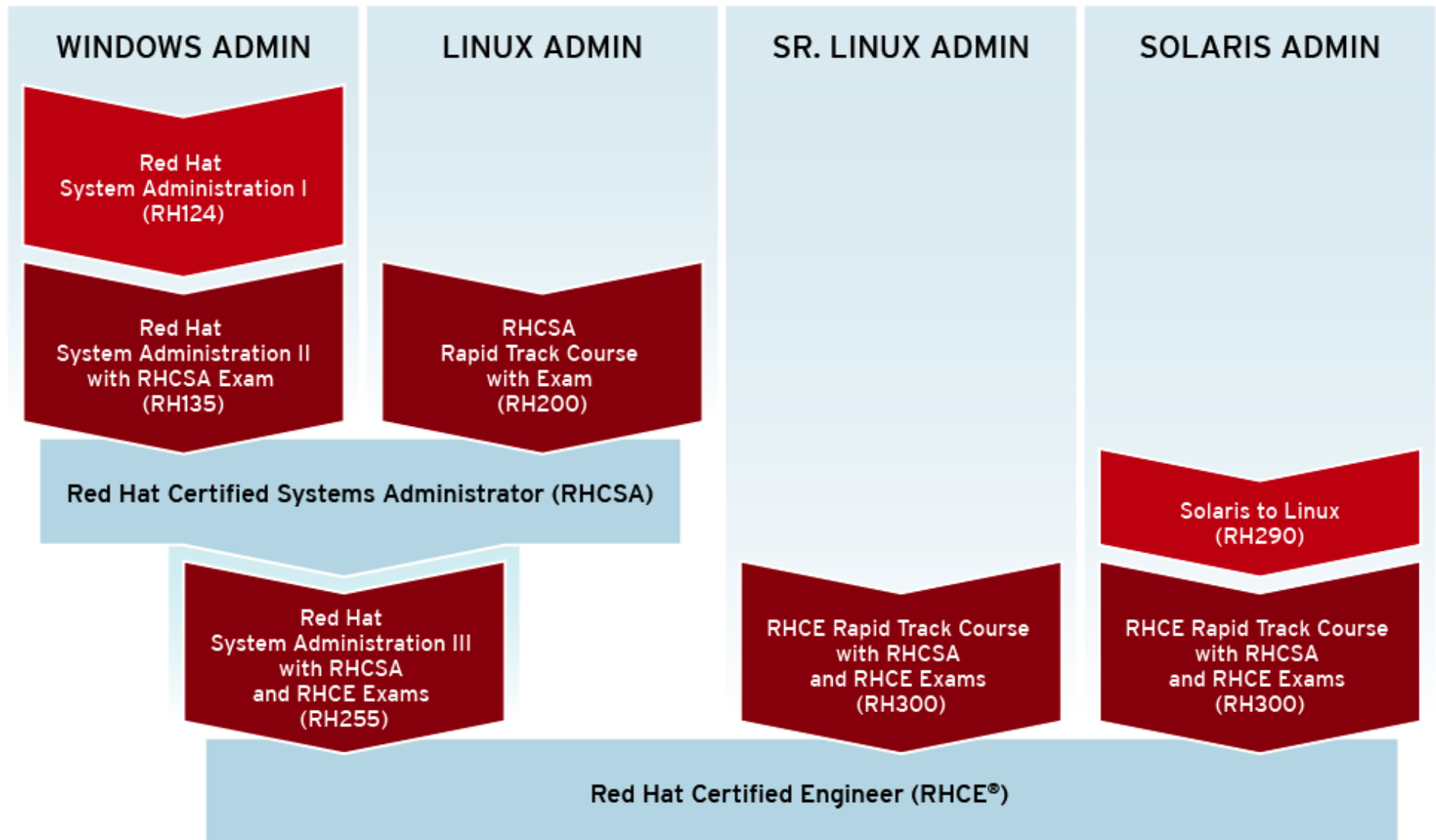
Introducing the RHCSA

Red Hat Certified System Administrator (RHCSA) will replace RHCT

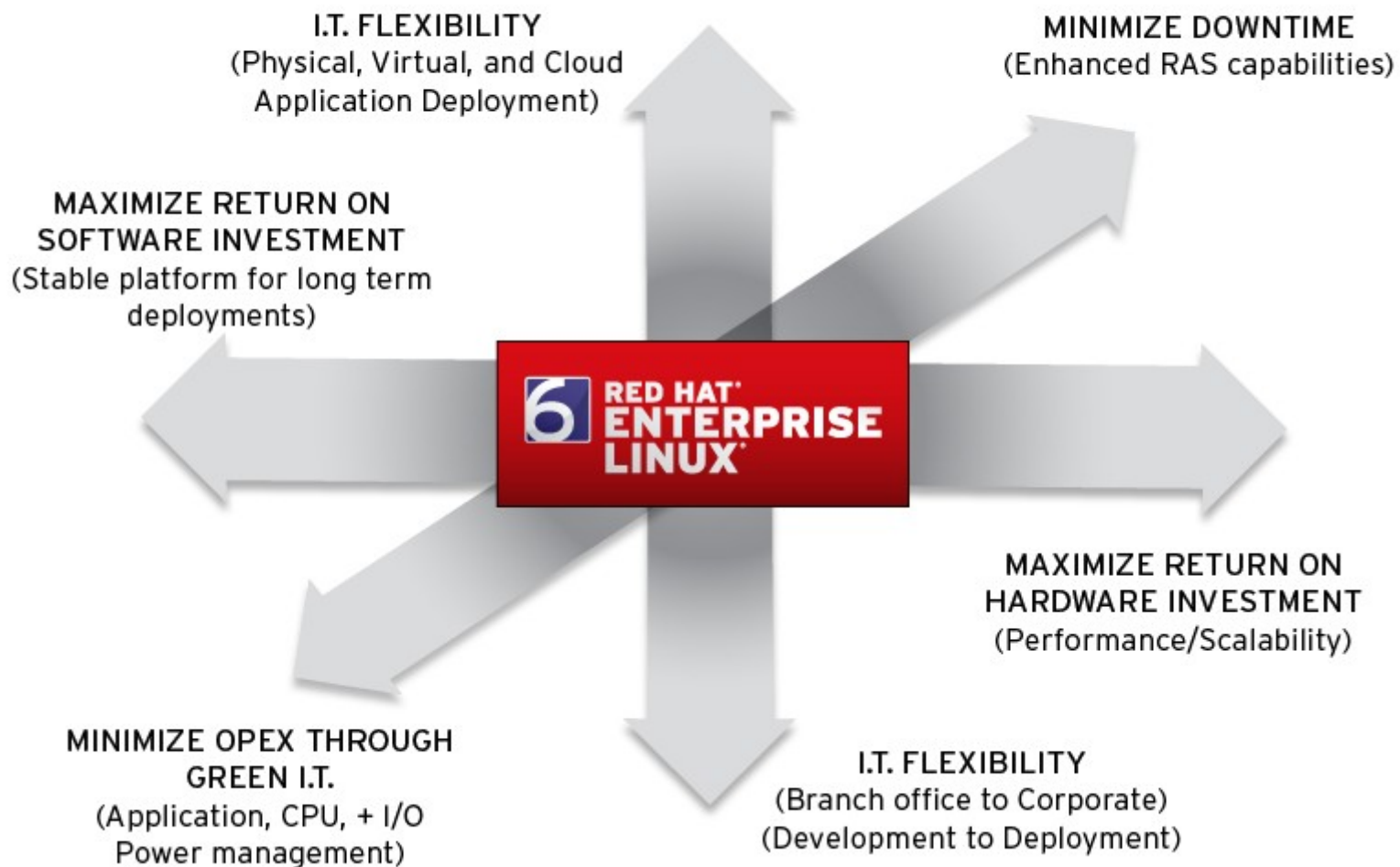
- In order to earn RHCE, one must pass the new EX200 RHCSA exam and the new EX300 RHCE exam
- The new RHCE exam will not include RHCSA components; EX200 and EX300 are separate exams but can be run consecutively in a single day
- RHCTs earned under RHEL 5 will be awarded RHCSA retroactively when the program launches at RHEL 6 GA (RHEL 4 RHCTs become non-current)
- The currency policy will change somewhat to provide more options for staying current
- More details are available in a separate document



Linux Administration Learning Paths



BUSINESS BENEFITS





MORE OPEN
THAN ORACLE



MORE RELIABLE
THAN MICROSOFT



MORE
COMPREHENSIVE
THAN VMWARE





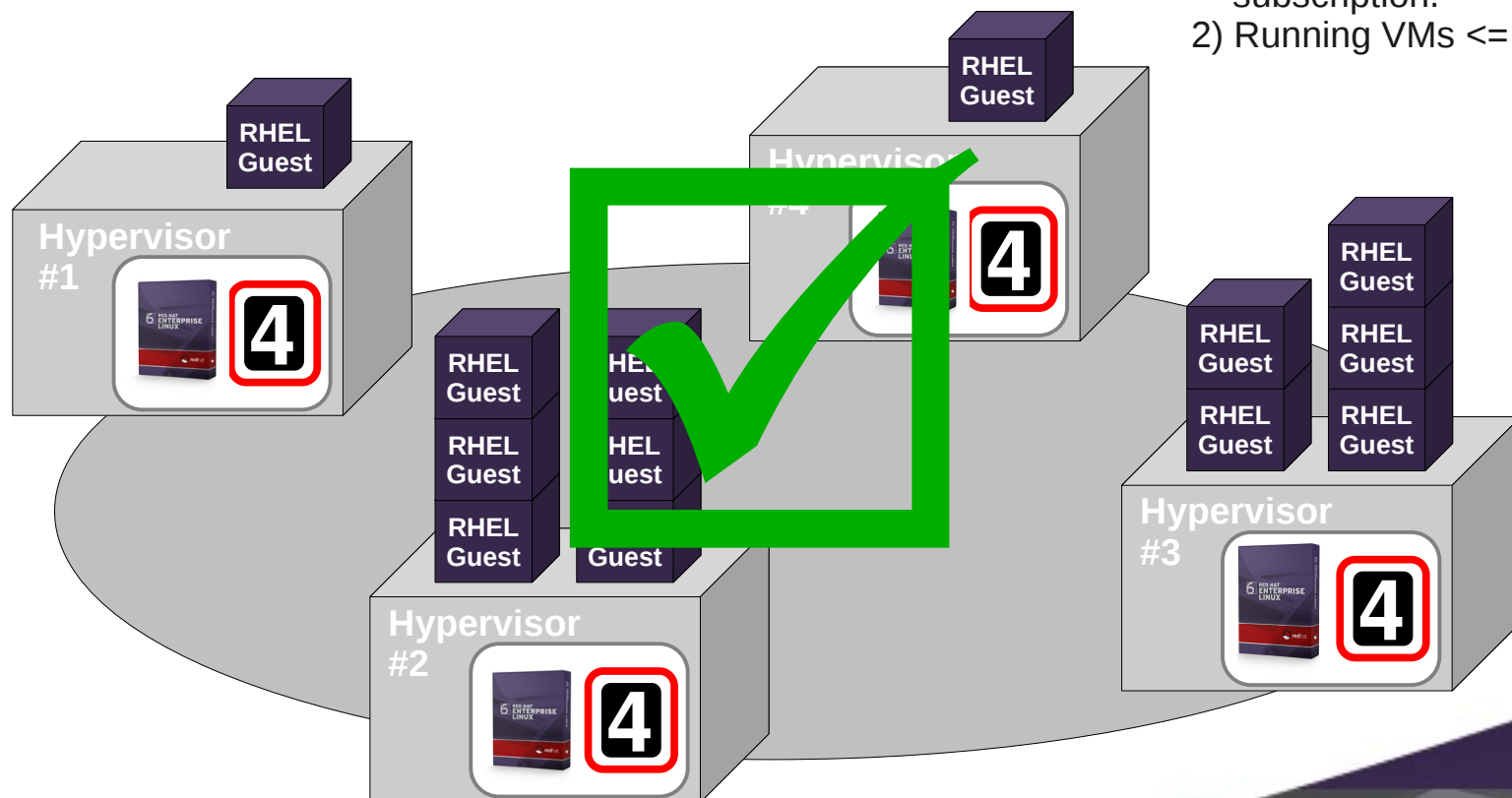
Back Up

RHEL as a virtual guest rules

- Every hypervisor that is running a virtual machine with RHEL as the guest OS must have a RHEL Server subscription
- If every hypervisor in the cluster has a RHEL Server with the same subscription the customer is allowed to pool their guests

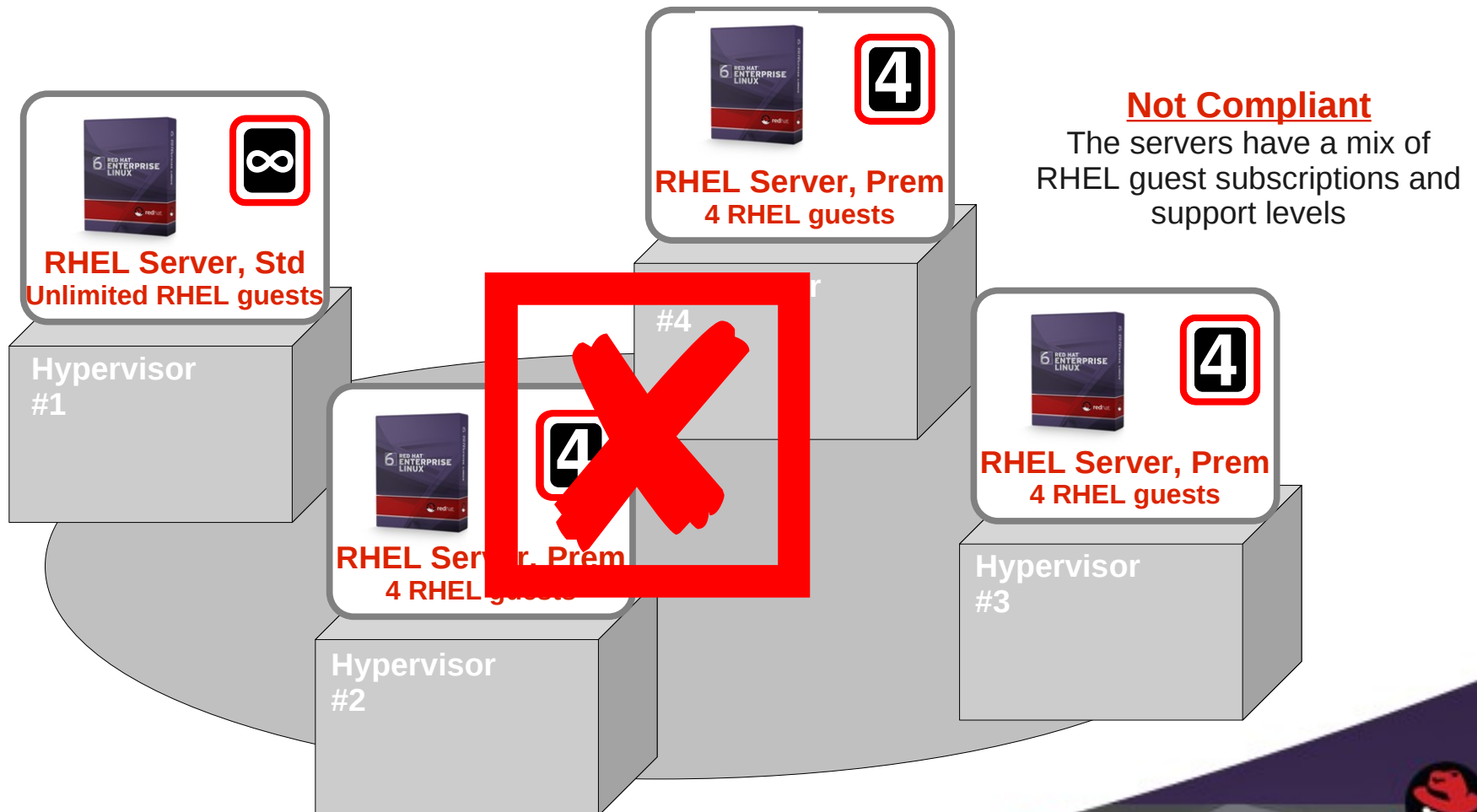
Compliant

- 1) Running RHEL virtual machine on servers w/ a RHEL Server subscription.
- 2) Running VMs \leq number in pool.



RHEL as a virtual guest rules

- RHEL Server subscriptions must be the same for all hypervisors in the cluster
 - Same support level (can't mix Basic, Standard, Premium)
 - Same RHEL Server variant (can't mix 1, 4, unlimited RHEL guest subscriptions)

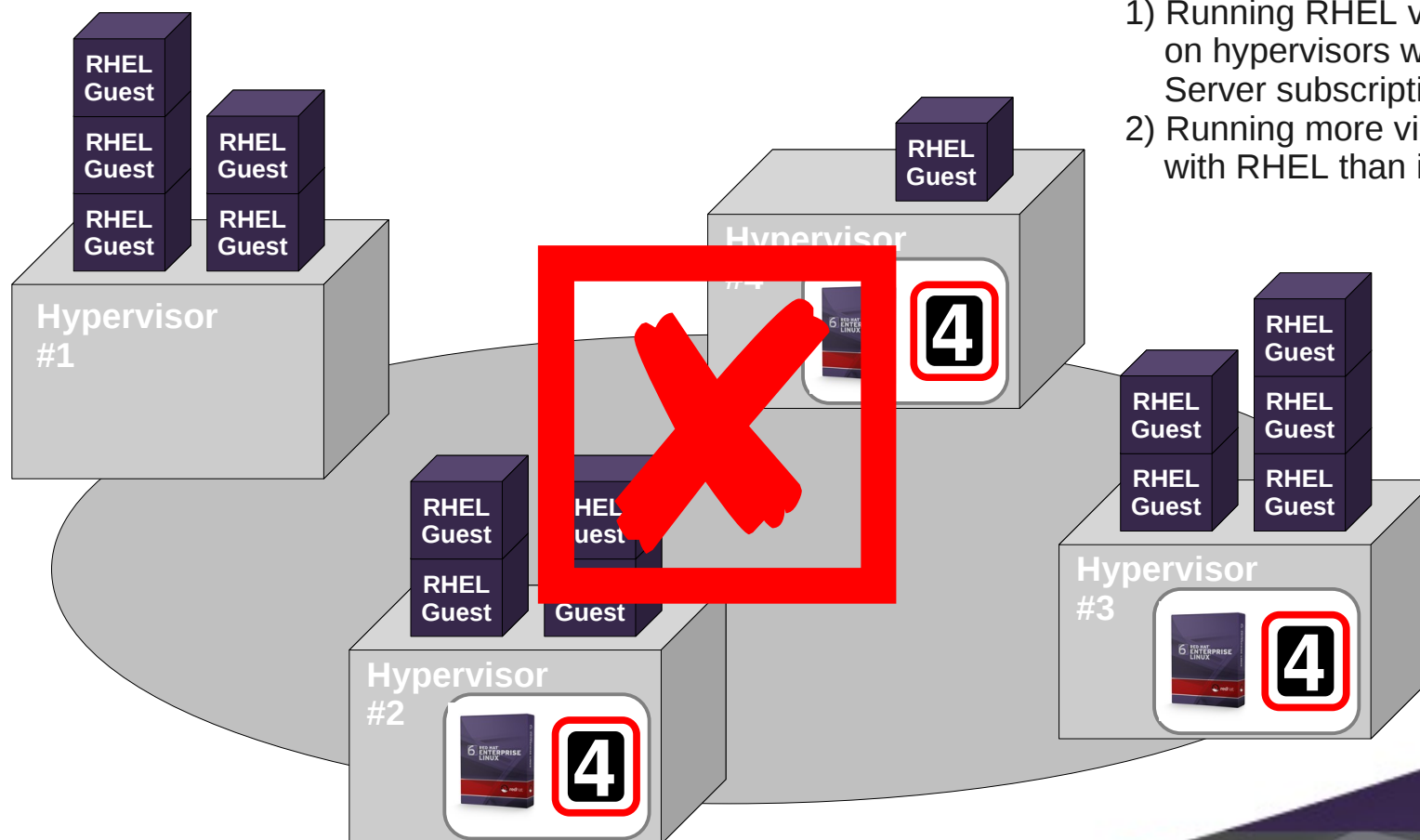


RHEL as a virtual guest rules

- Every hypervisor that is running a virtual machine with RHEL as the guest OS must have a RHEL Server subscription
- If every hypervisor in the cluster has a RHEL Server with the same subscription the customer is allowed to pool their guests

Not Compliant

- 1) Running RHEL virtual machines on hypervisors without a RHEL Server subscription
- 2) Running more virtual machines with RHEL than in their pool



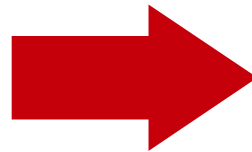
The simplified RHEL product portfolio

- Our product packaging resembles Microsoft's

One solution for servers . . .



Microsoft Windows Server



Windows Server
Standard Edition



Windows Server
Enterprise Edition

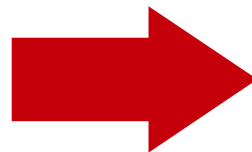


Windows Server
Datacenter Edition

. . . available in three editions



Red Hat Enterprise Linux Server



RHEL Server
1 RHEL guest

Premium
\$1,299/socket-pair/year
Standard
\$799/socket-pair/year
Self-support
\$349/socket-pair/year



RHEL Server
4 RHEL guests

Premium
\$1,949/socket-pair/year
Standard
\$1,199/socket-pair/year
Self-support
N/A



RHEL Server
Unlimited RHEL guests

Premium
\$3,249/socket-pair/year
Standard
\$1,999/socket-pair/year
Self-support
N/A

