

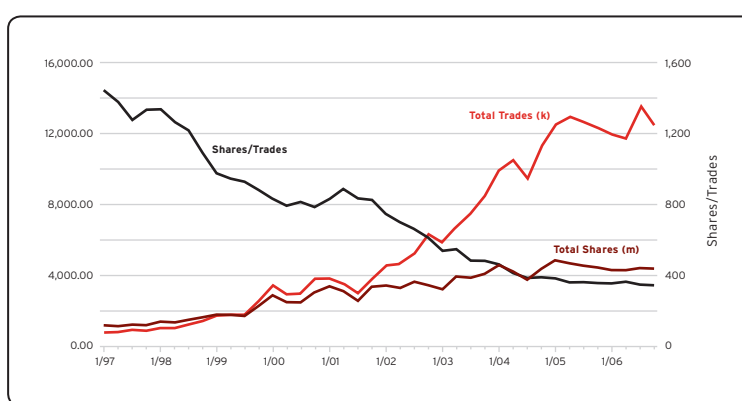


RED HAT ENTERPRISE LINUX 5 FINANCIAL SERVICES SOLUTION GUIDE

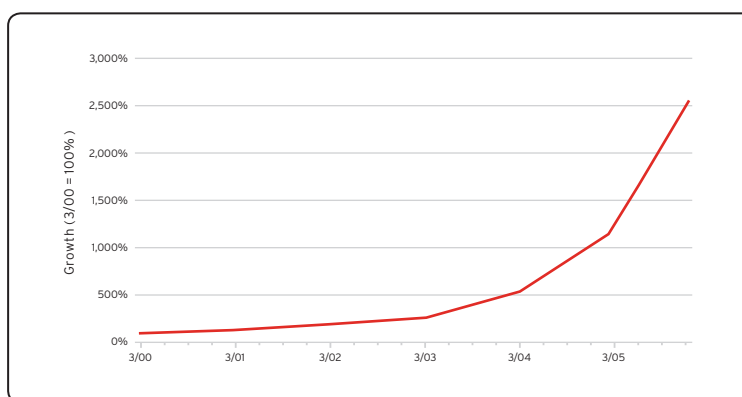
Long tested by the fire and steel of demanding financial services customers, Red Hat Enterprise Linux is the first choice for an information platform in an information industry. Every day in Wall Street, the Exchanges, the Insurance companies, and all of the financial services industry, new ways to use information that create value for customers and shareholders are being developed. To make the market risk work for them, the financial services industry demands a stable platform with the flexibility to adapt along with their needs.

TRANSPORT

Market trades and messaging data have exploded in volume, increasing 2500% in the last five years, thanks to algorithmic and black box trading. Electronic Funds Transfers increased double digits year-over-year¹, and electronic retail debt transactions increased last year by 20% globally to over \$2 trillion. These changes, along with increasing entry of automated trading into new markets, demand a computing platform with the performance to handle the rapidly increasing load. And they require a platform that is flexible enough to adapt to new business requirements. When your business is determining and acting on risk, you need a computing platform that can keep up.



But rapid and sustained increases in volume are not the only changes our customers are responding to. While the number of securities and derivatives per trade is decreasing, the overall volume of trades is increasing dramatically. This places increasing cost pressure on IT budgets.



Whether it's world record performance for throughput at predictable speeds with partners like Reuters², or innovating new messaging protocols like AMQP^{3,4,5} to meet today's increasing demands, Red Hat delivers.

RED HAT ENTERPRISE LINUX 5

TRANSFORM

Horsepower is just one of the reasons why the Red Hat Enterprise Linux platform is the foundation of the grid and Service-Oriented Architectures (SOA) of so many of the leading financial institutions⁶. Along with that scalability, Red Hat Enterprise Linux provides the flexibility to grow with your business demands and the security to guard your data. Red Hat Enterprise Linux has thousands of certified third-party software packages, including the leaders in grid computing and SOA infrastructure. With extensive certifications by the leading hardware vendors and a seasoned professional services team that built many of the grids in use today, Red Hat can respond to your needs.

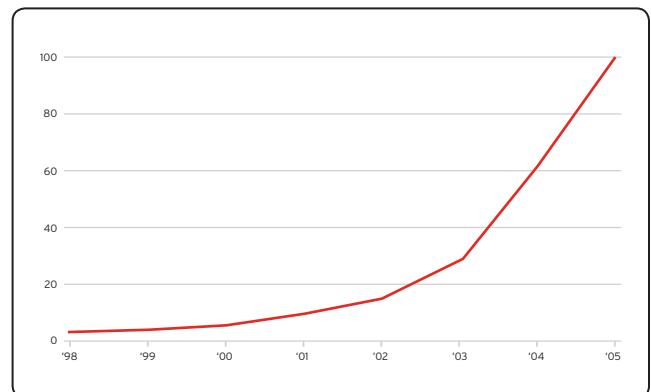
STORE

In an information business, access to data is key. That's why we've made a concerted effort to ensure we can serve data fast and with predictable latency². We've made a concerted effort to ensure we can provide the engine to transform your data⁷. And we have a long tradition of working with our database partners to deliver world record performance⁸ for our customers. With new innovative horizontal and vertical scaling technologies from the major vendors, the Red Hat Enterprise Linux platform provides the nimble underpinnings for everything from huge scale, mission critical, continuous availability databases all the way down to the very smallest. Any way you look at it, the amount of data in use and the sophistication of the use of that data is rapidly increasing, and Red Hat is here to help.

PROTECT

For our customers, downtime is no longer just inconvenient. It grinds their business to a halt, losing millions of dollars in business every minute. With the demands of this growth in volume and diversity, you need a reliable computing platform to provide your needs today. And the needs that change as your business grows. A platform of stability. A platform of availability. A platform of flexibility.

SIZE OF THE LARGEST DATA WAREHOUSE IN THE WINTERCORP TOPTEN SURVEY



That platform is Red Hat Enterprise Linux 5, the world's leading platform for technology innovation. Red Hat Enterprise Linux is a subscription platform that allows you to consume the latest and most powerful open source technologies at a pace that you determine. A pace that makes sense for your organization.



Designed with scale-up and scale-out architectures in mind, Red Hat Enterprise Linux 5 is the platform that allows you to implement the secure, redundant, scalable, reliable, and ultimately available processes to meet your business' SLAs. Since scaling up architectures for transactions processing limits your ability to adapt, a scale-out and modular architecture not only removes processing bottlenecks from transaction execution, but simultaneously provides the flexibility to grow and adapt the architecture with your business demands.

Increasing volume of digital transactions also requires increasing levels of operational security, and Red Hat Enterprise Linux 5 delivers. The Red Hat Enterprise Linux platform provides the first open implementation of Multiple Category Security (MCS), a derivative of Multiple Level Security (MLS) through the use of Security Enhanced Linux (SELinux)^{4,5} with every subscription and at no additional charge. With these technologies, you can harden your environment to levels previously only available to the military and intelligence agencies, yet enable increased and protected sharing of information with easy to use graphical or command line tools.

With increasing regulatory pressures on the industry and its employees - a clear understanding of both the activities of your users as and deep insight into the use of platforms is imperative to ensuring the integrity of business operations. Red Hat Enterprise Linux 5 extends traditional system access models by providing integrated capabilities for the use of strongly authenticated smartcards within the platform itself to regulate system access. Additionally, advanced auditing capabilities of the platform permit detail tracking of every aspect of your transactional system, giving your core capabilities to both control and review information on system use, natively increasing abilities to adhere to regulatory requirements such as Sarbanes Oxley and Basel II.

Red Hat has been rated three times the #1 technology provider of value by our customers.

REFERENCES

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- ³ <http://www.redhat.com/solutions/specifications/amqp/>
- ⁴ <http://www.twiststandards.org/tiki-index.php?page=AMQ>
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- ⁶ <http://www.watersonline.com/public/showPage.html?page=351028>
- ⁷ http://www.lighthouse-partners.com/highperformance/2006_del_dwtarticle.htm
- ⁸ <http://www.tcp.org>



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