RED HAT AND NATIONAL SECURITY

A COMPLETE OPEN SOURCE STACK

Replace expensive UNIX systems with Red Hat Enterprise Linux.

Red Hat Enterprise Linux will significantly increase your performance at half the cost of UNIX alternatives, and allow you to compete your hardware purchases — all while delivering the reliability and scalability you're accustomed to.

Replace overpriced middleware software with JBoss Enterprise Middleware.

The average large Oracle WebLogic customer saves $2.3M and returns yearly 63% ROI after migrating to JBoss Enterprise Application Platform, according to Forrester Consulting.

Replace costly virtualization software with Red Hat Enterprise Virtualization.

Experience increased performance and scalability with 60-80% lower costs for your virtualized systems with Red Hat Enterprise Virtualization for Servers and Desktops.

RED HAT REDUCES COST AND RISK

The US Department of Defense (DoD) doesn't just allow you to use open source, it encourages it.

The US Navy CIO released a memo on June 5, 2007, to emphasize the importance of open source software to the warfighter and clarify its classification as “commercial off the shelf (COTS)”

On October 16, 2009, the US Secretary of Defense clarified the DoD's acceptance of open source software and encouraged the use of enterprise open source software to reduce risk. US DOD CIO Dave Wennergren elaborated on this memo: “Today, it’s imperative that we move with speed in delivering new information capabilities. Things like the use of open source software, where appropriate, and a preference for COTS technology can help bring speed and agility to our IT development efforts.” (Military Information Technology, Issue 13, Volume 11, December 2009)

WHY OPEN SOURCE?

Increase the speed of adoption.

Open source software leverages a vast community of developers to deliver software innovations faster than proprietary, closed-source models, with fewer code defects, and at a lower cost.

Eliminate vendor lock-in.

Open source puts the Navy in control of its software, eliminating its reliance on the ever-consolidating proprietary software vendor and system integrator markets.

Enable choice.

The modular development model lets the Navy lever- age the community and existing innovative solutions. Unlike business models of proprietary solutions, the subscription business model forces software vendors to continue to deliver value year after year, while lowering acquisition and ownership costs.

> **“Software code has become central to how the war fighter is able to conduct missions… DoD must pursue an active strategy to manage its software knowledge base and foster an internal culture of open interfaces, modularity, collaboration, and reuse.”**
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> Open Technology Development Roadmap Plan (April 2006), commissioned by Sue Payton, Asst. Sec for Air Force Acquisition

WHY RED HAT?

Red Hat is the world’s leading provider of open source solutions, offering choice to customers building open source IT infrastructures. Red Hat, headquartered in Raleigh, NC, has over 4,000 employees and over 65 offices spanning 29 countries. Red Hat is a public company, traded on the NYSE, and is listed on the S&P 500. According to Forbes, Red Hat was one of the 25 fastest growing IT companies in 2009.

Red Hat is a bridge to the open source community for its government customers. Red Hat helps them take full

advantage of affordable, reliable, and secure technology – the value that only Red Hat delivers through the unique advantages of the open source model. CIOs have consistently ranked Red Hat as one of the top vendors delivering value in enterprise software for six consecutive years in the CIO Insight magazine Vendor Value survey. Red Hat combines over 4,000 certified applications, over 1,700 certified hardware platforms, and global support that boasts a 95% first call closure rate and is consistently rated higher than competitors by our customers.

US ARMY FBCB2 "BLUE FORCE TRACKER"

The US Army FBCB2 program provides friendly force location data to over 70,000 warfighters on mobile devices. The Army needed a stable, secure platform that also allowed for a range of hardware options and an accessible development environment. FBCB2 represents the largest consumer of Red Hat software, by volume.

"When we rolled into Baghdad, we did it using open source. It may come as a surprise to many of you, but the U.S. Army is the single largest install base for Red Hat Enterprise Linux."

Brigadier General Nick Justice, PEO C3T, Linux.com, 2007

US FBI CRIMINAL JUSTICE INFORMATION SYSTEM (CJIS)

CJIS serves one million end users in 18,000 agencies. The CJIS data center processes 8.5 million transactions a day, including 200,000 fingerprint checks each day, and 14.5 million background checks each year.

By moving to an open source platform, including Red Hat Enterprise Linux and JBoss Middleware, CJIS gained four times the capacity, while saving $80 million dollars. Department of Homeland Security now performs background checks at the border against 68 million criminal records in under 15 seconds.

US NAVY ISNS/CANES ACS

CANES is a US Navy program to consolidate and standardize the afloat IT infrastructure. The Afloat Core Services (ACS) is a core component of this effort. The ACS is an open source stack of operating systems, middleware, databases, and messaging infrastructure that has been packaged for reuse. Using these pre-certified stacks, government and contracted developers drastically reduce their development, test and integration effort, while ensuring portability across the afloat enterprise. The stack includes Red Hat Enterprise Linux and the entire JBoss Middleware Suite.

DISA GLOBAL COMBAT SUPPORT SYSTEM (GCCS-J)

The Defense Information Systems Agency (DISA) is responsible for planning, developing, fielding, operating, and supporting command, control, communications, and information systems. DISA developed GCSS-J to provide commanders in the field with a better and more integrated source of logistics information to gain efficiency and interoperability in support of the warfighter. GCSS-J makes extensive use of Red Hat's JBoss Enterprise Data Services from the JBoss Enterprise Middleware suite of tools.

US NAVY DDG-1000 ("ZUMWALT") DESTROYER

The US Navy worked with Raytheon, IBM, and Red Hat to provide a standard computing platform for the next-generation destroyer. Rather than buying an expensive and proprietary real-time operating system to support fire control systems, the Navy developed improvements to the Linux operating system and released them as open source software. Red Hat, in turn, provides this government-funded capability with enterprise-class support as a drop-in replacement for the standard Red Hat operating system. The Navy reduced software licensing costs by using this open source solution, reduced the training burden by being able to re-use Red Hat in the real-time environment, and gained the ability to compete the support contracts for this capability in the future.

"We believe that the efforts of Raytheon, IBM, and Red Hat have provided the Navy and Department of Defense with an industrial-strength, open standards-based, real-time Java and Linux solution that lowers development cost, risk, as well as overall life cycle cost to the DDG-1000."

Robert Martin,
Software Director,
Navy DDG 1000

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