

REDUCE COSTS AND IMPROVE SCALABILITY WITH RED HAT AND INTEL

PARTNER SOLUTION BRIEF

RED HAT AND INTEL ARCHITECTURE ALLOWS YOU TO:

- Reduce TCO by up to 65%.¹
- Achieve 37% greater performance.²
- Scale easily as your business grows.
- Simplify and streamline your Epic production and training environments.
- Ease integration and boost interoperability with open technologies.
- Improve stability by standardizing your Epic environment.
- Take advantage of a larger pool of cost-effective Linux professionals.
- Focus on patient care, not on day-to-day IT operations.

INTRODUCTION

Managing electronic medical records (EMRs) is a priority for many technology professionals at healthcare providers. Migrating your Epic EMR environment to a foundation based on industry standards and open innovation can reduce costs, improve efficiency, and increase scalability. Industry leaders Red Hat and Intel deliver a stable, proven hardware and software solution for your Epic system infrastructure—with conversion services to help you safely and confidently migrate your Epic environment.

STREAMLINE EPIC OPERATIONS WITH RED HAT AND INTEL

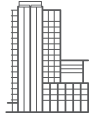
Built on open standards, the Red Hat® and Intel solution features cost-effective performance that allows all aspects of your Epic software to run at peak levels. This degree of performance, combined with immense scalability, leaves room for future Epic functionality so you can easily adopt new features and expand your environment as business grows. The solution also simplifies your Epic environment, helping to streamline maintenance and improve reliability. Finally, subscription-based software pricing and commonly available hardware can reduce TCO.

The Red Hat and Intel solution is based on Red Hat Enterprise Linux®, Red Hat Satellite, Intel® Xeon® Scalable processor, Intel® Solid-State Drive (SSD) DC P4610 Series storage, and VMware vSphere for simplified high availability. The solution provides:

- A high-performance, enterprise-grade, reliable, highly scalable, and cost-effective platform for Epic EMR systems with Red Hat Enterprise Linux.
- Simplified and automated system management, patching, and provisioning that can help you standardize your production, training, and testing environments for improved efficiency, reliability, and lower costs with Red Hat Satellite.
- Automated provisioning and life cycle of Epic training environments, freeing your system and database administrators to focus on critical activities with Red Hat CloudForms® added to the solution to take full advantage of the features of VMware vSphere.

Intel® Xeon® Scalable processors provide the high-performance compute engine at the core of the solution. With a high core count, increased memory capacity, and high reliability, you can run more virtual machines on fewer servers for initial and ongoing cost savings. In addition, Intel's processors work seamlessly with Intel SSDs, boosting storage performance and reducing power requirements.

Red Hat and Intel Epic conversion services reduce migration risks and speed set up of your new Epic environment.



ABOUT RED HAT

Red Hat is the world's leading provider of open source solutions, using a community-powered approach to provide reliable and high-performing cloud, virtualization, storage, Linux, and middleware technologies. Red Hat also offers award-winning support, training, and consulting services. Red Hat is an S&P company with more than 80 offices spanning the globe, empowering its customers' businesses.

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REDUCE TOTAL COST OF OWNERSHIP

Reducing costs is a high priority for technology professionals at healthcare providers. With Red Hat and Intel, achieve 37% greater performance² and reduce TCO by up to 65%¹ through the use of commonly available servers and extreme virtual machine density.

The highly scalable environment allows you to expand as your business grows and as Epic adds new features and functionality. Also, with a Linux-based environment, you can choose from a much larger and more cost-effective pool of experienced IT professionals.

CONCLUSION

EMR systems play a critical role in hospital and medical clinic operations, and running those systems on open platforms can save you time and money. With more than 20 years of experience in making open technologies safe, reliable, and consumable for commercial use, market leaders Red Hat and Intel offer a cost-effective, high-performance, industry-standard foundation for your Epic EMR system. With lower TCO, more efficient operations, and improved flexibility, you can focus on delivering the best patient care knowing that your EMR environment is ready for the future.

Ask Epic for a customized hardware configuration guide to see how your hospital or clinic can benefit from a Red Hat and Intel-based environment. For more information on Red Hat and Intel's offerings for Epic environments, and to receive a custom TCO analysis detailing how much you can save with Red Hat and Intel, email redhatforepic@redhat.com.

- ¹ Up to 65% lower four-year TCO estimate example based on equivalent rack performance using VMware ESXi virtualized consolidation workload comparing 20 installed two-socket servers with Intel® Xeon® processor E5-2690 (formerly Sandy Bridge-EP) running VMware ESXi 6.0 GA using guest OS Red Hat Enterprise Linux 6.4 compared at a total cost of \$919,362 to ve new Intel® Xeon® Scalable Platinum 8180 (formerly Skylake) running VMware ESXi 6.0 U3 GA using guest OS Red Hat Enterprise Linux 6 64-bit at a total cost of \$320,879 including basic acquisition. Server pricing assumptions based on current OEM retail published pricing for two-socket server with Intel® Xeon® processor E5-2690 v4 and two CPUs in four-socket server using E7-8890 v4—subject to change based on actual pricing of systems offered.
- ² 37% greater performance example based on testing conducted comparing Intel® Xeon® Processor E7-8890v3 Epic 2014 Caché 2015.1 to Intel® Xeon® Processor E7-8890v4 Epic 2014 Caché 2015.1 to Intel® Xeon® Scalable Platinum 8180 Epic 2017 Caché 2016.1. Testing performed by Epic measuring GREF performance.

Software and workloads used in performance tests may have been optimized for performance only on Intel microprocessors. Performance tests are measured using specific computer systems, components, software, operations and functions. Any change to any of those factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases, including the performance of that product when combined with other products.