

Why migrate mission-critical workloads from IBM Power AIX?



Get the RAS of UNIX with all the benefits of Linux

Hewlett Packard Enterprise is the only x86 server vendor to match the RAS of UNIX® and deliver 24x7x365 mission-critical enterprise-class performance.¹ You will get the reliability, availability, and serviceability (RAS) you are used to getting with Power AIX. HPE's Superdome X with HPE Serviceguard high availability software (99.999 percent) beats all other x86 servers in performance and reliability. It is 20x more reliable than other x86 servers, and offers zero planned downtime with 95 percent reduction in memory outages. It can provide up to 100 percent planned application availability and is the fastest x86 platform for ERP business applications.²

Become future-ready and cloud-compatible, and avoid the risk of obsolescence

IDC, Gartner, and Forrester have reported on the decline of UNIX and its limited options, lock-in, and higher costs vs. the increasing maturity of x86 and Linux®, both acknowledged standards for the cloud. Moving to cloud-compatible HPE systems makes it faster and easier for you to deploy and manage a secure, reliable, and scalable cloud infrastructure. HPE offers on-premise private and hybrid cloud, or fully managed and off-premise private, hybrid, and public cloud-hosted environments.

¹ HPE internal study based on competitive research of x86 mission-critical server providers undertaken, June 2016

² Highest performing 16-processor result on the two-tier SAP Sales and Distribution (SD) standard application benchmark of 100,000 SAP benchmark users and 545,780 SAPS

Become more responsive to business needs

The interoperability, openness to innovation, availability of industry-standard tools and technologies and much better price/performance of HPE servers with Linux will help increase IT's responsiveness to address market changes much more rapidly. For instance, simply provisioning a new application to respond to a market need can be done in hours instead of weeks, thus improving business agility.

Reduce your total cost of ownership by as much as 41 percent

Many IBM Power customers have dramatically reduced their total cost of ownership (TCO) by moving their mission-critical workloads to HPE with Linux, allowing them to decrease software licensing, maintenance and hardware costs. For example, over a three-year period, the savings would be 75 percent in hardware, 38 percent in software, and 30 percent in support with a 12-socket Superdome X server running RHEL, Oracle database vs. IBM Power System E880 2-Node server running AIX, Oracle database.³

³ Based on HPE internal analysis results using publicly available competitive data, May 2016

⁴ See more about HPE partners here: h22168.www2.hp.com/uk/en/isvs/index.aspx

⁵ **Xen Project** is a **hypervisor** using a **microkernel** design, providing services that allow multiple computer operating systems to execute on the same computer hardware concurrently

⁶ Kernel-based Virtual Machine (KVM) is a virtualization infrastructure for the Linux kernel that turns it into a hypervisor. It was merged into the Linux kernel mainline in kernel version 2.6.20, which was released on February 5, 2007. KVM requires a processor with hardware virtualization extension

Continue running your business reliably

HPE has over three decades of experience migrating mission-critical workloads from expensive, proprietary systems to open, more agile environments. We have migrated hundreds of mission-critical workloads and can help you reliably migrate from SAP® to SAP HANA®, or move from other ERP or OLTP applications. HPE has the experience, tools, and technologies to make migrations reliable and rapid for your most important business processes.

No more hardware or software lock-in

HPE's deep and longstanding partnerships with SAP, Intel®, VMware®, Microsoft®, Red Hat®, SUSE, and all the industry-leading ecosystem providers means you can be confident that the integration with our systems will be optimized to deliver the best mission-critical experience. Such applications have been developed and tested for optimized compatibility, and in many cases, you will receive fully integrated support from all sides. A comprehensive list of partner products for HPE servers is available from HPE.

A choice of industry-leading software and over 10000 certified applications

ISVs are dropping support for applications on Power AIX. This limits your ability to take advantage of many new technologies, such as virtualization, cloud computing, and new storage technologies, which reduce costs and make you more responsive to market changes. In contrast, more than 10,000 ISV applications are certified to run on HPE, including more than 800 Oracle applications and 800 SAP applications.⁴ IBM Power Linux still needs ISV applications to be compiled, tested, and certified—which many ISVs are unwilling to do for such a small volume platform. This increases risk and cost for IBM customers.

Use Microsoft software if you want

IBM Power AIX or Linux does not support Microsoft software—OS or applications or innovative technologies such as the Microsoft SQL Server 2016. If you have a need to use Microsoft, then IBM Power Linux will not allow that.

Leverage the best choice of virtualization tools

IBM Power AIX or Linux does not support industry-standard virtualization technologies. The powerful Xen⁵ and KVM⁶ hypervisors are available with HPE on RHEL or SUSE, as is Microsoft Hyper-V or VMware vSphere®.

Learn more at hpe.com/us/en/servers/mission-critical.html



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