

AIX running on IBM POWER9 is a winning combination for your business



Today's global businesses must rely on an infrastructure that is secure, highly available and able to adapt quickly to changing business needs and customer demands. AIX and POWER9 deliver these capabilities and more, with the performance, reliability and security that your mission-critical data demands.

With AIX running on IBM POWER9 infrastructure, your business will benefit from:

Industry-leading security. AIX offers unique security features to protect your data. With AIX Trusted Execution you can verify the integrity of the system and implement advance security policies, in order to enhance the trust level of the complete system. PowerSC further hardens AIX environments against security threats, simplifies administration, and accelerates compliance and audit preparation. Additionally, all POWER9 servers are delivered secure, with pre-loaded firmware and operating system security patches that mitigate known Meltdown and Spectre vulnerabilities.

Unmatched uptime. IBM Power Systems running AIX 7.2 have the lowest percentage of unplanned annual server downtime and best-in-class reliability.¹

Enhanced performance with NVMe. AIX on POWER9 maintains IBM's industry leadership in per core performance.² NVMe exploitation has been added to help you reduce I/O overhead and bring you further performance improvements, including multiple, long command queues, and reduced latency.

Open source capabilities for configuration, management, and automation. IBM is making an investment in open source for AIX to help our clients simplify systems installation and management. With AIX supporting cloud automation tools such as Chef, you can accelerate cloud deployments, automate data center tasks, and make your infrastructure versionable, testable, and repeatable.

Simplified workload management. With AIX and the latest version of PowerVC you can mix and match traditional and modern data workload platforms (VM and KVM based systems) in a single control plane.

Better business insights with Watson. AIX on POWER9 connects your Oracle/DB2 database into IBM Watson Analytics, enabling you to take advantage of advanced Artificial Intelligence (AI) capabilities to analyze your data while gaining insights to drive your business forward.

The ability to build a cloud any way you want. When combined with IBM PowerVC, AIX can be automatically deployed as a cloud-ready OS, capable of meeting any organization's private cloud requirements. In blended cloud environments, you can leverage IBM Cloud for Skytap solutions to implement DevOps and rapidly migrate, develop and deploy AIX, Linux and Windows.

Continuous innovation and ongoing support. IBM is strongly committed to AIX. With a 30-year history of innovation, AIX continues to deliver on its robust roadmap with every release, and there is a 10+ year roadmap in place to take AIX into the future.

Learn more at ibm.com/it-infrastructure/power/os/aix

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1 ITIC 2017 - 2018 Global Server Hardware, Server OS Reliability Survey

2 Based on IBM Internal measurements as of 2/28/18 on various system configuration and workload environments including (1) Enterprise Database (2.22X per core): 20c L922 (2x10-core/2.9 GHz/256 GB memory): 1,039,365 Ops/sec versus 2-socket Intel Xeon Skylake Gold 6148 (2x20-core/2.4 GHz/256 GB memory): 932,273 Ops/sec. (2) DB2 Warehouse (2.43X per core): 20c S922 (2x10-core/2.9 GHz/512 GB memory): 3242 QpH versus 2-socket Intel Xeon Skylake Platinum 8168 (2x24-core/2.7 GHz/512 GB memory): 3203 QpH. (3) DayTrader 7 (3.19X per core): 24c S924 (2x12-core/3.4 GHz/512 GB memory): 32221.4 tps versus 2-socket Intel Xeon Skylake Platinum 8180 (2x28-core/2.5 GHz/512 GB memory): 23497.4 tps.

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