IBM ASEAN Newsroom

Singapore Organisations Tap IBM Power Servers For Resilient IT Infrastructure

IBM Power Systems ensure high performance, high availability, robust and resilient operations for Singapore organisations, such as Nippon Paint Singapore and Qualica Asia Pacific

A new generation of Power servers, IBM Power11, was unveiled to Singapore customers at its launch event

The new, autonomous, AI-ready server offers zero planned downtime

SINGAPORE, July 16, 2025 – IBM (NYSE:IBM) today unveiled the IBM Power11, the next generation of IBM® Power® servers to customers in Singapore at its launch event at Conrad Marina Bay. Redesigned with innovations across its processor, hardware architecture, and virtualisation software stack, Power11 is designed to deliver the availability, resiliency, performance, and scalability enterprises demand, for seamless hybrid deployment on-premises or in IBM Cloud.

Organisations across industries have long run their most mission-critical, data-intensive workloads on IBM Power, most notably those within the banking, healthcare, retail, and government spaces. In Singapore, local organisations such as Nippon Paint and Qualica Asia Pacific are tapping on IBM's Power Systems to optimise resources and uptime with intelligent automation for updates.

Koh Soon Meng, Manager, IT Infrastructure Services, Nippon Paint Singapore said, "For years, Nippon Paint Singapore has entrusted IBM Power for its mission-critical operations with unparalleled reliability. As one of the leading paint manufacturers, continuous uptime is paramount. Our entire business ecosystem—spanning procurement, manufacturing, R&D, and delivery—runs on SAP HANA seamlessly deployed on IBM Power Systems which are purpose built for data-intensive applications. With the upcoming Power11, we look forward to an even more robust infrastructure that delivers real-time insights, agility, and peak performance, empowering us to maintain resilience and responsiveness in a fast-paced market landscape."

Baba Kumar Balina, General Manager, Qualica Asia Pacific, commented, "For over two decades, IBM's Power Systems has fortified our IT infrastructure backbone, ensuring uninterrupted operations and bolstering our extensive presence across Asia Pacific. As a trusted partner delivering IT solutions for manufacturing, distribution, and service industries, we recognise the critical importance of maintaining a robust and reliable technological foundation."

He added, “With 99.99% uptime from the Power servers, we have reaped benefits such as faster batch processing, time savings for back-ups, and ensuring more run-time for our business. This has enabled higher quality assurance and customer success, as our applications can run smoothly in the backend to provide timely and accurate invoices for clients, efficiently manage our resources and more. The upcoming arrival of the Power11 is an exciting update. We look forward to further innovations in the Power servers and exploring new advancements with IBM.”

Tan Siew San, Technology Leader and General Manager, IBM Singapore, said, “IBM Power is an industry standard for scalability and performance with the most demanding workloads. With a leading reliability rating for 15 years running, Singapore organisations have long been tapping IBM Power Systems for business value and to manage their mission-critical data. As enterprises scale their AI adoption and hybrid cloud implementation, IBM remains committed to help businesses unlock new innovations across the full stack from our recently unveiled Power11 servers.”

"IBM Power11 changes the game for enterprise computing," said **Tom McPherson, GM, Power Systems at IBM**. "With Power11, clients can accelerate into the AI era with innovations tailored to their most pressing business needs. We are taking advantage of the full IBM stack to deliver hybrid cloud, AI, and automation capabilities while building on our decades-long reputation as a trustworthy hybrid infrastructure for essential workloads."

Now, enterprises face an onslaught of new technologies and solutions as they transition into the age of AI. IDC found that one billion new logical applications are expected by 2028, and the proliferation of these systems poses new complexities for companies.1 IBM built Power11 to deliver simplified, always-on operations with hybrid cloud flexibility for enterprises to maintain competitiveness in the AI era.

Power11 is designed to be the most resilient server in the history of the IBM Power platform, with 99.9999% of uptime. 2 Together with zero planned downtime for system maintenance3 and less than one-minute guaranteed ransomware threat detection with IBM Power Cyber Vault, 4 Power11 sets a new bar for business continuity, addressing both planned and cyber-incident-related downtime.

For the first time ever, the Power11 general availability will simultaneously include high-end, mid-range, and entry servers as well as IBM Power Virtual Server in IBM Cloud. IBM Power Virtual Server offers a fast path to the cloud for Power workloads, and is certified as a hyperscaler platform for RISE with SAP. Power11 will also be the first IBM Power server to support the IBM Spyre Accelerator, IBM’s system-on-a-chip available Q4 2025 that is purpose-built for today’s AI-intensive inference workloads. Available across IBM’s enterprise systems portfolio, including Power11, IBM z17, and LinuxONE 5, Spyre will deliver advanced AI acceleration to help organizations scale AI across hybrid cloud environments.

With support for autonomous operations, Power11 delivers intelligent performance gains that reduce complexity and improve workload efficiency. Power11 offers up to 55% better core performance compared to Power95 and has up to 45% more capacity with higher core counts in entry and mid-range systems compared to Power10.6 This upgraded performance means that with Power11, enterprises are positioned to achieve enhanced flexibility and security, to transform their enterprise processes through automation.

With Power11, customers can expect:

- **Zero planned downtime for system maintenance.** Power11 provides enterprises with a solution that can avoid costly planned downtime and help reduce operational risk. Through advanced technologies like autonomous patching and automated workload movement, planned system maintenance events can occur without ever taking critical applications

offline. This feature can free IT professionals from spending time planning, testing, and executing upgrades to their systems, to focusing on higher-value work and innovation. Furthermore, IBM Power will interoperate with IBM Concert using generative AI to help identify operational risks, provide actionable insights, and automate remediation, starting with security patch management. IBM Technology Lifecycle Services (TLS), IBM's global infrastructure support provider, complements this feature with premium, AI-powered services designed to help proactively monitor system health, reduce downtime, and optimise system reliability and performance.

- **Less than one minute ransomware threat detection with IBM Power Cyber Vault.**The Power Cyber Vault solution is an integrated cyber resiliency solution following NIST cybersecurity framework to help identify, protect, detect, and automatically respond to cyber threats. Cyber Vault provides protection against cyberattacks such as data corruption and encryption with proactive immutable snapshots that are automatically captured, stored, and tested on a custom-defined schedule. Power11 also uses NIST-approved built-in quantum-safe cryptography designed to help protect systems from harvest-now, decrypt-later attacks as well as firmware integrity attacks.
- **Transformed business processes with AI integration.** Power11 delivers AI-ready infrastructure with built-in, on-chip acceleration for inferencing and will be able to scale to support mission-critical AI workloads through the IBM Spyre Accelerator. Combined with Red Hat OpenShift AI and a broad ecosystem of open-source software and toolkits, Power11 is built to provide the flexibility and performance needed to operationalise AI across hybrid environments. To further modernise application development, IBM watsonx Code Assistant for i will help developers extend critical RPG applications for greater ease and productivity. IBM will also make watsonx.data, its hybrid, open data lakehouse, available on Power11 by the end of 2025.
- **Efficient IT that saves time and money.**Beyond the autonomous processes that support zero planned downtime and IBM Power Cyber Vault, Power11 delivers meaningful efficiency gains across the IT stack. Separately, in terms of energy efficiency, Power11 offers twice the performance per watt versus comparable x86 servers7 and up to 28 percent better server efficiency with the new Energy Efficient Mode compared to Maximum Performance Mode on Power11. 8

IBM Power11 will be generally available July 25, 2025. The IBM Spyre™ Accelerator is expected to be available in Q4 2025. To learn more about Power11, visit us here.

Statements regarding IBM's future direction and intent are subject to change or withdrawal without notice, and represent goals and objectives only.

About IBM

IBM is a leading provider of global hybrid cloud and AI, and consulting expertise. We help clients in more than 175 countries capitalize on insights from their data, streamline business processes, reduce costs and gain the competitive edge in their industries. Thousands of government and corporate entities in critical infrastructure areas such as financial services, telecommunications and healthcare rely on IBM's hybrid cloud platform and Red Hat OpenShift to affect their digital transformations quickly, efficiently and securely. IBM's breakthrough innovations in AI, quantum computing, industry-specific cloud solutions and consulting deliver open and flexible options to our clients. All of this is backed by IBM's long-standing commitment to trust, transparency, responsibility, inclusivity and service.

Additional sources

TLS Blog
Partner & Ecosystems Blog
Power11 In Depth Blog

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1 IDC: 1 Billion New Logical Applications: More Background, (doc #US51953724, April 2024).

2 Based upon unplanned downtime of a single Power E1180 system as calculated in the POWER11 Processor-Based Systems RAS (see section: 99.9999% uptime).

3 Based upon IBM internal testing of system upgrade scenarios; many (i.e. VIOS, hot plug adapters, I/O adapter FW, and concurrent system firmware updates) can be done in-place while some (i.e. non-concurrent system FW and HW maintenance) may require LivePartition Mobility (LPM) support.

4 This guarantee covers only the displaying of an alert in less then one minute. Remediation is in the form of drive replacement up to the cost of the Covered Product. Terms and conditions apply.

5 Based upon IBM internal measurements of a commercial core banking solution running on IBM Power E950 compared to an E1150.

6 Based upon current IBM Power rPerf and CPW estimates for E1150, S1124 and S1122 versus E1050, S1024 and S1022 respectively.

7 Based upon IBM measurements of performance per watt on servers comparing Maximum Performance Mode to Energy-Efficient Mode while running compute-, disk-, and memory-based workloads on Power11 systems with fully configured sockets and memory as follows: E1180 with 4x10c / 64x64GB DDIMM, E1150 with4x16c / 64x32GB DDIMM , S1124 with 2x16c / 32x32GB DDIMM , S1122 with 2x16c / 32x32GB DDI.

Energy consumption is based on maximum input power: IBM Power E1050 with maximum power of 5,200 W; HPE Compute Scale Up Server 3200 with maximum power of 4,740 W.

8 Based upon IBM measurements of performance per watt on servers comparing Maximum Performance Mode to Energy-Efficient Mode while running compute-, disk-, and memory-based workloads on Power11 systems with fully configured sockets and memory as follows: E1180 with 4x10c / 64x64GB DDIMM, E1150 with 4x16c / 64x32GB DDIMM, S1124 with 2x16c / 32x32GB DDIMM, S1122 with 2x16c / 32x32GB DDIMM.