



# What is IBM Power Systems

IBM® Power® is a family of servers that are based on IBM Power processors and are capable of running IBM AIX®, IBM i and Linux®. Respond faster to business demands, protect your data from core to cloud, and streamline insights and automation.

Given we have explained what processors are powering up IBM Power Systems servers, let's find out more about what you can find in its family. IBM Power Systems has two predecessors, POWER and PowerPC hardware lines. PowerPC was the IBM's response to the market trend of midrange computers.

IBM Power Systems are designed to match your enterprise's workloads, budget, and IT environment. These enterprise-class servers are a combination of availability, security, cloud management, scale, and leadership performance.

IBM® Power® Virtual Server is a family of configurable multi-tenant virtual IBM Power servers with access to IBM Cloud® services. Expand your hybrid cloud journey with IBM Power Virtual Server. Maintain the security and trusted, high performance of IBM Power while modernizing at your pace and price point on and off premises.

IBM Power Systems have been indispensable to both enterprise clients and small- and mid-sized businesses (SMBs), and our new generation IBM POWER10 processor is designed to be even more differentiated. This 7 nanometer chip is about the size of a postage stamp and houses 18 billion transistors.

IBM ESS 3000 combines the performance of end-to-end NVMe with reliability, innovation of IBM FlashCore® technology, Storage Class Memory (SCM) for ultra-low latency, the rich features of IBM Spectrum Scale(TM) and integration with the entire IBM Storage for Data and AI portfolio.

But POWER stands out for its high-efficiency, built-in virtualization solution, as well as its ability to support massive enterprise-class workloads without requiring the type of massive infrastructure that you would need to do the same using x86 chips. Availability of your IBM POWER is critical to your business success.

IBM Power Systems Facts and Features. Multi-core options for every workload. Power 7 systems are multicore. You have options available for four, six, or eight cores, with each core capable of four simultaneous threads.

IBM Power servers are designed for the most demanding, data-intensive computing imaginable, while keeping the business protected. IBM offers Power10 processor-based servers, available in scale-out or scale-up variants.

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