IBM Power Accelerated Computing Platform offers complete, fully integrated configurations for AI and modern HPC workloads

At a glance

The IBM(R) Power(R) Accelerated Computing Platform (IBM Power ACP) system, based upon the world's smartest and most powerful compute installations at Oak Ridge and Lawrence Livermore National Labs, is a complete offering of IBM compute servers; IBM Elastic Storage™ Server (ESS); networking, development and runtime software; and professional services, designed to help any nascent organization support:

- Artificial intelligence (AI)
- High-performance computing (HPC)

Overview

Headlining the IBM Power ACP offering is the IBM Power System Accelerated Compute Server (AC922), which delivers unprecedented performance for advanced HPC, analytics, and AI. By exploiting NVIDIA GPU accelerators, enterprises can now deploy data-intensive workloads such as deep learning frameworks and accelerated databases, with confidence. The AC922 server enables the cutting-edge AI innovation that data scientists want, with the dependability IT requires. This is the IT server designed for enterprise AI. With up to 1 TB of RAM, two 20-core IBM POWER9™ processors, and up to four NVIDIA Tesla GPUs connected through NVLINK, the AC922 server can handle today's demanding AI and HPC workloads.

A modern AI and HPC system is not complete without super-fast storage to feed the servers the information they need. IBM Elastic Storage Server (ESS) is an optional part of the offering and can be configured to meet the size and performance required for your individual workload. It can then grow by adding storage to each ESS or by adding additional ESS building blocks. As new ESS building blocks are added, capacity and performance is improved near linearly, and the single name space grows accordingly. You will be able to deploy the same IBM Spectrum Scale™ technology as is deployed at the world's most powerful AI installations. It is a technology that can grow as your workload evolves.

The network choices for IBM Power ACP include Ethernet, InfiniBand, or both. A wide range of switches and infrastructure is available to support the architectural growth of your AI installation. IBM can grow your architecture as workloads evolve.

The key to successfully deploying these IBM Power ACP systems is consultation and configuration by IBM Systems Lab Service Engineers. An IBM Power ACP system will be delivered to your location, rack-mounted and integrated, with the operating systems and required software preloaded and configured as defined in the implementation design workshop. One size never fits all, and IBM wants to accelerate your time-to-success by ensuring the deployed solution is quickly

installed and moved into production. IBM Power ACP can provide the world's most powerful servers customized for each client's unique environment.

For more information regarding the IBM Power ACP supercomputer at Oak Ridge and Lawrence Livermore National Labs, see the Summit Oak Ridge Leadership Computing Facility website.

For more information on IBM Power ACP, contact your local IBM representative or your IBM Business Partner.

Key prerequisites

None

Planned availability date

September 7, 2018

Order now

To order, contact the IBM Digital Sales Center, your local IBM representative, or your IBM Business Partner. To identify your local IBM representative or IBM Business Partner, call 800-IBM-4YOU (426-4968). For more information, contact the IBM Digital Sales Center.

Phone: 800-IBM-CALL (426-2255)

Fax: 800-2IBM-FAX (242-6329)

For IBM representative: askibm@ca.ibm.com

For IBM Business Partner: pwcs@us.ibm.com

IBM Digital Sales Offices
1177 S Belt Line Rd
Coppell, TX 75019-4642, US

The IBM Digital Sales Center, our national direct marketing organization, can add your name to the mailing list for catalogs of IBM products.

Note: Shipments will begin after the planned availability date.

Trademarks

IBM Elastic Storage, POWER9 and IBM Spectrum Scale are trademarks of IBM Corporation in the United States, other countries, or both.
IBM and Power are registered trademarks of IBM Corporation in the United States, other countries, or both.
Other company, product, and service names may be trademarks or service marks of others.

Terms of use

IBM products and services which are announced and available in your country can be ordered under the applicable standard agreements, terms, conditions, and prices in effect at the time. IBM reserves the right to modify or withdraw this announcement at any time without notice. This announcement is provided for your information only.Additional terms of use are located at

Terms of use

For the most current information regarding IBM products, consult your IBM representative or reseller, or go to the IBM worldwide contacts page

IBM United States