

IBM increases the scale and flexibility of the IBM Power Systems Private Cloud Solution with Dynamic Capacity to support deployment of pay-per-use compute resources for mission-critical, on-premises applications

Table of contents

1 Overview	1 Description
1 Key requirements	2 Order now
1 Effective date	3 Corrections

Overview

The IBM^(R) Power^(R) Systems Private Cloud Solution with Dynamic Capacity offers new flexibility and scalability with the following enhancements:

- Support for up to 2,000 virtual machines (VMs) in a single IBM Power Enterprise Pool (2.0), with up to 1,000 VMs per Hardware Management Console (HMC).
- A single Power Capacity Credit order may now be allocated across multiple Power Enterprise Pools (2.0) to support a broader deployment of pay-per-use compute resources in a private cloud infrastructure.

Key requirements

- For 1,000 VMs per HMC, HMC 950 PTF MH01883 (x86_64) or MH01884 (ppc64le) is required.

Effective date

March 26, 2021

Description

Power Systems Private Cloud Solution with Dynamic Capacity

The Power Systems Private Cloud Solution delivers enhancements to improve its Shared Utility Capacity (Pools 2.0) environment, extending its support for multisystem resource sharing and by-the-minute consumption of on-premises compute resources to clients deploying and managing a private cloud infrastructure on POWER9™ systems. These are the core components to this offering.

Power Enterprise Pools 2.0 supports up to 2,000 VMs and 1,000 VMs per HMC

A maximum of 2,000 VMs and up to 48 systems can be supported in a pool managed by a single Cloud Management Console (CMC), with up to 1,000 VMs supported per Hardware Management Console (HMC) managing a Power Enterprise Pool 2.0. For 1,000 VMs per HMC, HMC 950 PTF MH01883 (x86_64) or MH01884 (ppc64le) is required.

A single Power Capacity Credit order may be allocated across multiple Power Enterprise Pools (2.0)

As clients have deployed multiple Power Enterprise Pools with IBM Power Systems E980 servers and as the Power Private Cloud Solution was extended to IBM Power Systems E950, S922, and S924 servers, clients have requested the ability to procure a quantity of Power Capacity Credits that may be utilized over time for more than a single pool. Now, using the IBM Entitled Systems Support (ESS) portal, you can allocate a single Power Capacity Credit order across multiple Power Enterprise Pools in your enterprise, or you may choose to partially allocate an order to one pool and leave the balance to be allocated to a specific pool at a later date.

Statement of general direction

To provide new levels of flexibility to clients deploying hybrid cloud infrastructures, IBM currently intends to offer a Hybrid Capacity Credit for Power Systems to enable clients to allocate pay-per-use compute resources flexibly across a Power Private Cloud with Dynamic Capacity infrastructure on-premises and Power Virtual Server.

IBM currently intends to enable pay-per-use metering of Linux environments running on PowerVM as an integral part of the Power Systems Private Cloud Solution with Dynamic Capacity, expanding the breadth of applications that may leverage shared resources and instantaneous access to reserve capacity that the Power Private Cloud Solution can provide.

Statements by IBM regarding its plans, directions, and intent are subject to change or withdrawal without notice at the sole discretion of IBM. Information regarding potential future products is intended to outline general product direction and should not be relied on in making a purchasing decision. The information mentioned regarding potential future products is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. Information about potential future products may not be incorporated into any contract. The development, release, and timing of any future features or functionality described for IBM products remain at the sole discretion of IBM.

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^(R)

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

POWER9 is a trademark of IBM Corporation in the United States, other countries, or both.
IBM, Power and ibm.com 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](#)

Corrections

(Corrected on April 9, 2021)

Change made to Overview, Kwy requirements, and Description sections.