

# IBM Power E1080 Solution Edition for Healthcare offers tailored, cost-effective system configuration options for healthcare software from independent software vendors

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## At a glance

The IBM<sup>(R)</sup> Power<sup>(R)</sup> E1080 Solution Edition for Healthcare provides:

- System configurations tailored to medium and large hospital environments running approved healthcare independent software vendor (ISV) software
- A cost-effective 60-core/512 GB processor and memory activation feature package for eligible healthcare ISV applications

## Overview

The Power E1080 Solution Edition for Healthcare provides tailored, economical system configuration options for medium and large hospitals deploying approved healthcare ISV software, such as Epic's Electronic Health Record (EHR) application. Epic is one of the largest providers of EHR systems in the world. The combination of IBM Power servers and Epic's integrated application suite offers a solid foundation for hospitals that require systems with a proven track record of reliability and performance in the healthcare industry.

The Power E1080 Solution Edition for Healthcare provides a 60-core/512 GB base system configuration with IBM AIX<sup>(R)</sup> Standard Edition, IBM PowerVM<sup>(R)</sup> Enterprise Edition, IBM Cloud<sup>(R)</sup> PowerVC Manager, and IBM PowerHA<sup>(R)</sup> SystemMirror<sup>(R)</sup> Standard Edition software.

These Power E1080 configurations are designed to be customized with additional capacity and input/output (I/O) options that correspond to healthcare ISV configuration guidelines and are designed to provide a cost-effective initial system infrastructure, with affordable and flexible options for growth and expansion.

## Feature exchange

Not applicable

## Key requirements

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## Planned availability date

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November 19, 2021, with the following limitations per system:

- EBAE Initial max = 2
- EHC9 Initial max = 2
- EMX0 Initial/MES/Both max = 8
- EMXH Initial/MES/Both max = 16
- EJ24 Initial/MES/Both max = 16

Availability within a country is subject to local legal requirements.

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## Description

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### Power E1080 Solution Edition for Healthcare

The Power E1080 Solution Edition for Healthcare provides a cost-effective 60-core/512 GB processor and memory activation feature package for eligible healthcare industry clients running approved ISV applications, such as Epic.

Machine	Feature description	Feature number
9080-HEX	System Node (5U) Drawer for Solution Edition for Healthcare	EBAE
9080-HEX	Solution Edition for Healthcare 3.7 GHz, 60-core processor	EHC9
9080-HEX	Base Processor Activation (60) for #EHC9	ELCP
9080-HEX	Base Memory Activation (512 GB) for #EHC9	EMAC

The maximum configuration for the Power E1080 Solution Edition for Healthcare is 2 nodes and 120 cores.

**Note:** Additional I/O hardware components can be added as desired following normal supported configuration rules.

For eligibility rules and registration of the Power E1080 Solution Edition for Healthcare by the sales channel, go to the [IBM Power Solution Editions](#) website.

IBM Power Enterprise Pools 1.0 and 2.0 do not apply for these solutions.

However, Power Enterprise Pools 1.0 and Power Enterprise Pools 2.0 could be used on non-Healthcare Solution Edition (HSE) machines to support high availability (HA) and disaster recovery (DR) functions based on the client's requirements.

### Cloud management

The Power E1080 server provides a rich, flexible environment for both private and hybrid cloud and traditional IT:

- Private cloud management
  - Cloud PowerVC Manager (OpenStack based)
  - Cloud-based Hardware Management Console (HMC) applications as a service

- Open source cloud automation and configuration tooling
- Hybrid cloud infrastructure management tools
  - IBM API Connect<sup>(R)</sup> and IBM WebSphere<sup>(R)</sup> Connect to securely connect system-of-record workloads and data-to-cloud native applications
  - IBM Cloud Starter Pack, with entitlement to IBM Cloud (IBM SoftLayer<sup>(R)</sup>)
- IBM Power to Cloud Rewards Program to assist with implementation

### **PowerVM Enterprise Edition**

PowerVM Enterprise virtualization is built into the Power E1080 system and provides the complete set of PowerVM virtualization functionality needed for Power enterprise servers with IBM Power10 technology. This enables efficient resource sharing through virtualization, which enables workload consolidation and secure workload isolation as well as the flexibility to redeploy resources dynamically.

### **PowerHA SystemMirror Standard Edition**

PowerHA SystemMirror Standard Edition is designed to provide a robust HA and DR failover environment focused on ease of implementation and ease of use.

### **Cloud PowerVC Manager**

Cloud PowerVC Manager provides OpenStack-based cloud management to accelerate and simplify cloud deployment by providing fast and automated virtual machine (VM) deployments, prebuilt image templates, and self-service capabilities, all with an intuitive and user-friendly interface. PowerVC management upwardly integrates into a variety of third-party hybrid cloud orchestration products, including IBM Cloud Orchestrator, VMware<sup>(R)</sup> vRealize, and others. Clients can simply manage both their private cloud VMs and their public cloud VMs from a single, integrated management tool.

### **IBM i operating system**

For clients loading the IBM i operating system:

Feature EHC9 - the QPRCFEAT value for the system is EDP4.

The Power E1080 is IBM i software tier P30.

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## **Statement of general direction**

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IBM currently intends to add in-database machine learning on IBM Db2<sup>(R)</sup> for AIX 7.3 leveraging the IBM ESSL (Engineering and Scientific Subroutine Library) math library on IBM Power10 Systems.

IBM also currently intends to add python UDF support to IBM Db2 for AIX 7.3 to enable model inferencing with the Matrix Math Accelerator (MMA) for AI on IBM Power10 Systems

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## **Product number**

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The following are newly announced features on the specific models of the IBM Power 9080 machine type:

## Planned Availability Date November 19, 2021

### New features

Description	Machine type	Model number	Feature number
System Node (5U) Drawer Indicator for Solution Edition for Healthcare	9080	HEX	EBAE
Solution Edition for Healthcare 3.7 GHZ, 60-core Processor (CEC)	9080	HEX	EHC9
1 core Processor activation for #EHC9 no cost	9080	HEX	ELCP
512 GM Memory Activation for #EHC9	9080	HEX	EMAC

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## Publications

No publications are shipped with the announced products.

To access the IBM Publications Center Portal, go to the [IBM Publications Center](#) website.

The Publications Center is a worldwide central repository for IBM product publications and marketing material with a catalog of 70,000 items. Extensive search facilities are provided. A large number of publications are available online in various file formats, which can currently be downloaded.

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## Services

### IBM Systems Lab Services

Systems Lab Services offers infrastructure services to help build hybrid cloud and enterprise IT solutions. From servers to storage systems and software, Lab Services can help deploy the building blocks of a next-generation IT infrastructure to empower a client's business. Lab Services consultants can perform infrastructure services for clients online or onsite, offering deep technical expertise, valuable tools, and successful methodologies. Lab Services are designed to help clients solve business challenges, gain new skills, and apply best practices.

Lab Services offers a wide range of infrastructure services for IBM Power servers, IBM Storage systems, IBM Z<sup>(R)</sup>, and IBM LinuxONE. Lab Services has a global presence and can deploy experienced consultants online or onsite around the world.

For assistance, contact Systems Lab Services at [ibmsls@us.ibm.com](mailto:ibmsls@us.ibm.com).

To learn more, see the [IBM Systems Lab Services](#) website.

### IBM Consulting

As transformation continues across every industry, businesses need a single partner to map their enterprise-wide business strategy and technology infrastructure. IBM Consulting is the business acceleration partner to help cocreate change across an organization. IBM specialists can help businesses succeed through finding collaborative ways of working that forge connections across people, technologies, and partner ecosystems. IBM Consulting brings together the business expertise and an ecosystem of technologies that help solve some of the biggest problems faced by organizations. With methods that get results faster, an integrated approach, that is grounded in an open and flexible hybrid cloud architecture, and incorporating technology from IBM Research<sup>(R)</sup> and IBM Watson<sup>(R)</sup> AI, IBM Consulting enables

businesses to lead change with confidence and deliver continuous improvement across a business and its bottom line.

For additional information, see the [IBM Consulting](#) website.

### **IBM Technology Support Services (TSS)**

Get preventive maintenance, onsite and remote support and gain actionable insights into critical business applications and IT systems. Speed developer innovation with end-to-end support for over 240 open-source packages. Leverage powerful IBM analytics and AI-enabled tools to enable client teams to manage IT problems before they become emergencies.

The TSS offers extensive IT maintenance and support services that cover more than one niche of a client's environment. TSS covers products from IBM and other OEMs, including servers, storage, network, appliances, and software to help clients ensure high availability across their data center and hybrid cloud environment.

For details on available services, see the [Technology support for hybrid cloud environments](#) website.

### **IBM TechU**

Improve your knowledge in hybrid cloud and AI solutions. IBM TechU provides the most recent content so that you can learn, engage, and increase your skills with IBM Technology specialists.

A one-year, renewable membership TechU digital membership provides access to IBM Systems online education to help address your technical enablement needs for existing and new projects.

Submit questions or comments to [techuid@us.ibm.com](mailto:techuid@us.ibm.com).

For additional details, see the [IBM TechU](#) website.

### **IBM Expert Labs**

IBM Expert Labs can help clients accelerate their projects and optimize value by leveraging their deep technical skills and knowledge. With more than 20 years of industry experience, these specialists know how to overcome the biggest challenges to deliver business results that can have an immediate impact.

Expert Labs deep alignment with IBM product development allows for a strategic advantage as they are often the first in line to get access to new products, features, and early visibility into roadmaps. This connection with the development enables them to deliver First of a Kind (FOAK) implementations to address unique needs or expand a client's business with a flexible approach that works best for their organization.

For additional information, see the [IBM Expert Labs](#) website.

### **IBM Security™ Expert Labs**

With extensive consultative expertise on IBM Security software solutions, IBM Security Expert Labs helps clients and partners modernize the security of their applications, data, and workforce. With an extensive portfolio of consulting and learning services, Expert Labs provides project-based and premier support service subscriptions.

These services can help clients deploy and integrate IBM Security software, extend their team resources, and help guide and accelerate successful hybrid cloud solutions including critical strategies such as zero trust. Remote and on-premises software deployment assistance is available for IBM Cloud Pak<sup>(R)</sup> for Security, IBM Security QRadar<sup>(R)</sup>/QRoC, IBM Security SOAR/Resilient<sup>(R)</sup>, IBM i2<sup>(R)</sup>, IBM Security Verify, IBM Security Guardium<sup>(R)</sup>, and IBM Security MaaS360<sup>(R)</sup>.

For more information, contact Security Expert Labs at [sel@us.ibm.com](mailto:sel@us.ibm.com).

For additional information, see the [IBM Security Expert Labs](#) website.

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## IBM support

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For installation and technical support information, see the [IBM Support Portal](#).

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## Additional support

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### **IBM Garage™**

IBM Garage is a framework for accelerating digital transformation. It helps you generate innovative ideas and equips you with the practices, technologies, and expertise to turn those ideas into business value in weeks. When you work with IBM Garage you bring pain points into focus. You empower your team to take manageable risks, adopt leading technologies, speed up solution development, and measure the value of everything you do. IBM Garage has experts and services to address a broad array of use cases, including capabilities for business transformation, hybrid cloud, analytics and AI, infrastructure systems, security, and more. To learn more, see the [IBM Garage for Systems](#) website.

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## Technical information

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### **Specified operating environment**

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#### ***Physical specifications***

For physical specifications, see the Sales Manual.

To assure installability and serviceability in non-IBM industry-standard racks, review the installation planning information for any product-specific installation requirements.

#### ***Software requirements***

Power E1080 Solution Edition for Healthcare requires a client to agree to purchase a license or transfer or upgrade an existing license of a component of an approved healthcare ISV's software, such as Epic's Electronic Health Record application.

### **Planning information**

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#### ***Cable orders***

No cables required.

### **Security, auditability, and control**

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The client is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communications facilities.

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## Terms and conditions

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### **MES discount applicable**

Equal to the volume commitment discount

**Field-installable feature**

Yes

**Warranty period**

This feature assumes the same warranty or maintenance terms as the machine in which they are installed for the full warranty or maintenance period announced for such machine.

**Customer setup**

Yes

**Machine code**

Same license terms and conditions as base machine

**Prices**

For additional information and current prices, contact your local IBM representative or IBM Business Partner.

The following are newly announced features on the specific models of the IBM Power Systems 9080 machine type:

Description Machine type 9080	Model number	Feature number	Purchase price	Minimum Monthly Maint. charge	Initial/ MES/ Both/ support	RP CSU MES
5U Indica node drawer	Health HEX	EBAE			Both	Yes No
Healthcare 3.70 GHz, 60-core	HEX	EHC9			Both	Yes No
1 core activation for	EHC9 HEX	ELCP			Both	Yes No
512GB Mem Act for #EHC9	HEX	EMAC			Both	Yes No

RP MES = Return parts, miscellaneous equipment specifications

CSU = Customer setup

**Regional availability**

American Samoa, Guam, Marshall Islands, Federated States of Micronesia, Northern Mariana Islands, Palau, Puerto Rico, United States, and US Virgin Islands

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