



IBM AIX 7.1 Enterprise Edition V1.2 and AIX 7.2 Enterprise Edition V1.2 enhanced with IBM Cloud PowerVC Manager

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At a glance

IBM^(R) is enhancing AIX^(R) 7.1 and AIX 7.2 Enterprise Editions, the IBM strategic UNIXTM operating system for mission-critical, core business applications, by adding IBM Cloud PowerVC Manager. The new edition offers:

- Basic private cloud management
- Self-service portal with process automation
- Metering of usage for billing
- Catalog of VMs and images
- Open access to OpenStack APIs

AIX 7.1 Standard Edition now includes server-side flash caching.

IBM AIX Dynamic System Optimizer now supports IBM POWER8^(R) technology-based processors.

Overview

The AIX Enterprise Edition bundle now includes a new IBM Cloud PowerVC Manager offering that includes all the functions of the PowerVC Standard Edition plus new features that help simplify the management of cloud deployments.

The AIX operating system is an open standards-based UNIX operating system that has been at the heart of most Fortune 500 companies' UNIX infrastructures for over 25 years. AIX provides these clients with an enterprise-class IT infrastructure that delivers the reliability, availability, performance, and security that is required for clients to be successful in the new global economy.

For additional details on IBM Cloud PowerVC Manager, refer to Software Announcement [216-144](#), dated April 12, 2016.

Key prerequisites

Any IBM system that includes an IBM POWER7^(R), POWER7+TM, or POWER8 technology-based processor.

Planned availability date

Description

IBM PowerVC V1.3.1, part of the AIX Enterprise Edition V7 bundle, has added IBM Cloud PowerVC Manager for IBM Power^(R) private cloud deployments.

IBM Cloud PowerVC Manager includes all the functions of the PowerVC Standard Edition plus the following new features:

- Self-service portal that allows the provisioning of new VMs without direct system administrator intervention. An option is included for policy approvals for the requests received from the self-service portal.
- Deployment templates that simplify cloud deployments.
- Cloud management policies that simplify the management of cloud deployments.
- Metering data for chargeback.

PowerVC Standard Edition has been enhanced with the following new features and functions:

- Enhanced security isolation by project with integrated role-based security controls
- Improvements to Dynamic Resource Optimizer that allow schedules for monitoring policies, NovaLink based mobile core CoD optimization, and improved DRO policy controls
- Enhanced storage support that improves data deletion policies
- VM deployment with Active MemoryTM Expansion (AME) enabled

PowerVC Standard Edition and IBM Cloud Manager with OpenStack are removed from the bundle, and IBM Cloud PowerVC Manager is being added. This change provides generally equivalent but simplified systems management for Power Virtualization and cloud management.

AIX 7.1 Standard Edition now includes server-side flash caching. Workloads can take advantage of a read-only cache, stored in near-line flash for data frequently accessed from storage. Flash can be directly assigned to AIX partitions, or a virtual flash device can be provisioned from the VIOS. AIX partitions with virtual flash devices may be migrated to another server.

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If you are a Direct Reseller - System Reseller acquiring products from IBM, you may link directly to Business Partner information for this announcement. A PartnerWorld^(R) ID and password are required (use IBM ID).

[BP Attachment for Announcement Letter 216-147](#)

Program number

Type/model or order type number	Part number	Program name
5765-CD1	N/A	AIX 7.1 Enterprise Edition V1.2
5765-CD3	N/A	AIX 7.2 Enterprise Edition V1.2

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