

# IBM enables Red Hat Advanced Cluster Management for Kubernetes for IBM Power

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## At a glance

IBM<sup>(R)</sup> is making Red Hat<sup>(R)</sup> Advanced Cluster Management for Kubernetes available for IBM Power<sup>(R)</sup> clients.

## Overview

Kubernetes provide a platform for deploying and managing containers in a standard, consistent control plane. As application workloads move from development to production, they often require multiple fit-for-purpose Kubernetes clusters to support DevOps pipelines.

Red Hat Advanced Cluster Management for Kubernetes delivers the tools and capabilities required to address the common challenges that users, such as administrators and site reliability engineers, face as they work across a range of environments, including multiple data centers, private clouds, and public clouds. It offers visibility of your entire Kubernetes domain with built-in governance, cluster lifecycle management, and application lifecycle management, along with observability.

Red Hat Advanced Cluster Management for Kubernetes provides a single view to manage your Kubernetes environment. It includes capabilities that unify multicloud management, provides policy-based governance, and extends application lifecycle management. Red Hat Advanced Cluster Management for Kubernetes can help you operationalize your Red Hat OpenShift<sup>(R)</sup> environments through automation in following ways:

- Manage multiple containerized environments at scale across multicloud and hybrid cloud environments
- Easily provision new Red Hat OpenShift clusters
- Invoke Red Hat Ansible<sup>(R)</sup> playbooks before or after key lifecycle events
- Perform automated actions at day zero, day one, when deploying and updating applications, and at other critical moments

### Program delivery

When you order Red Hat Advanced Cluster Management for Kubernetes for your IBM Power system from IBM, you will receive a "Product Information Card" document from IBM Software Fulfillment. See this document for information on downloading the product from Red Hat and registering your subscription.

**Note** : This file ships separately from the Power system and should not be discarded or destroyed.

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## Key requirements

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Red Hat OpenShift Container Platform

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## Planned availability date

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March 11, 2022

Availability within a country is subject to local legal requirements.

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## Reference information

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For more information about Red Hat OpenShift Container Platform, see Software Announcement [221-292](#), dated August 10, 2021.

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## Program number

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Program number	VRM	Program name
5639-AC1	2.0.0	Red Hat Advanced Cluster Management for Kubernetes for Power 1 year
5639-AC3	2.0.0	Red Hat Advanced Cluster Management for Kubernetes for Power 3 year

  

Program number	Maintenance 1-year Program number	Maintenance 3-year Program number
5639-AC1	N/A	N/A
5639-AC3	N/A	N/A

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## Offering Information

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Product information is available on the [IBM Offering Information](#) website.

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## Publications

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None

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## Services

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### 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, Systems Lab Services can help deploy the building blocks of a next-generation IT infrastructure to empower a client's business. Systems Lab Services consultants can perform infrastructure services for clients online or onsite, offering deep technical expertise, valuable tools, and successful methodologies. Systems Lab Services is designed to help clients solve business challenges, gain new skills, and apply best practices.

Systems Lab Services offers a wide range of infrastructure services for IBM Power servers, IBM Storage systems, IBM Z<sup>(R)</sup>, and IBM LinuxONE. Systems 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 partner to help accelerate 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 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.

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 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 Expert Labs**

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 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<sup>(R)</sup> Expert Labs**

With extensive consultative expertise on IBM Security software solutions, 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.

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

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## Technical information

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### **Specified operating environment**

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#### **Hardware requirements**

An IBM Power8, IBM Power9, IBM Power10, or later, technology-based server

#### **Software requirements**

Red Hat OpenShift is required.

#### **IBM Support**

[IBM Support](#) is your gateway to technical support tools and resources that are designed to help you save time and simplify support. IBM Support can help you find answers to questions, download fixes, troubleshoot, submit and track problem cases, and build skills. Learn and stay informed about the transformation of IBM Support, including new tools, new processes, and new capabilities, by going to the [IBM Support Insider](#).

#### **Additional IBM support**

##### **IBM Client Engineering for Systems**

Client Engineering for Systems 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 Client Engineering for Systems, 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. Client Engineering for Systems 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. For more information, see the [IBM Client Engineering for Systems](#) website.

### **The IBM Electronic Service Agent**

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The IBM Electronic Service Agent, in combination with IBM Support, is dedicated to providing fast, exceptional support to organizations that have IBM Systems. The IBM Electronic Service Agent is a no-additional-charge tool that proactively monitors and reports hardware events, such as system errors, performance issues, and inventory. The Electronic Service Agent can help you stay focused on your company's strategic business initiatives, save time, and spend less effort managing day-to-day IT maintenance issues. Servers enabled with the Electronic Service Agent can automatically open a problem with IBM Support when covered under IBM warranty or maintenance agreements.

Integrated into the base operating system of IBM i, AIX<sup>(R)</sup>, Power Linux<sup>(R)</sup> Tools pack, and the Power hardware management console (HMC), the Electronic Service Agent is designed to automatically and electronically report system failures and utilization issues to IBM, which can result in faster problem resolution and increased availability. The Electronic Service Agent includes a powerful web user interface, giving the administrator easy access to configurations, status, tool settings, problem

information, and filters. System configuration and inventory information collected by the Electronic Service Agent also can be viewed on the IBM Support website and used to improve problem determination and resolution by you and the IBM support team.

For more information and documentation on how to configure and use the Electronic Service Agent, go to the [IBM Electronic Service Agent](#) website.

**IBM Support** is a single internet entry point that replaces the multiple entry points traditionally used to access IBM internet services and support. IBM Support enables you to gain easy access to IBM resources for assistance in resolving technical problems. The Call Home web, which is available from the My support menu with links to My systems and My inventory, and premium search functions make it easy for organizations with Electronic Service Agent enabled products to track system inventory and find pertinent fixes.

## Planning information

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### **Packaging**

This offering is delivered through the internet as an electronic download. There is no physical media.

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## Ordering information

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Consult your IBM representative or IBM Business Partner.

The following abbreviations are used in the following tables:

- RHACM = Red Hat Advanced Cluster Management
- Svr = Server
- W = With
- Yr = Year
- PRM = Premium
- STD = Standard
- RH = Red Hat
- Sub = Subscription
- Spt = Red Hat Support

Red Hat Advanced Cluster Management for Kubernetes for Power introduces the following feature numbers:

### **5639-AC1 -Red Hat Advanced Cluster Management for Kubernetes for Power 1 year**

<b>Feature description</b>	<b>OTC Feature number</b>
RHACM per Svr up to 2 cores w 1yr PRM RH sub and spt	0001
RHACM per Svr up to 2 cores w 1yr STD RH sub and spt	0002
<b>Feature description</b>	<b>Supply Feature number</b>
Product registration card	5809

### **5639-AC3 -Red Hat Advanced Cluster Management for Kubernetes for Power 3 year**

<b>Feature description</b>	<b>OTC Feature number</b>
RHACM per Svr up to 2 cores w 3yr PRM RH sub and spt	0001

Feature description	OTC Feature number
RHACM per Svr up to 2 cores w 3yr STD RH sub and spt	0002
Feature description	Supply Feature number
Product registration card	5809

### Charge metric

The charge metrics for these licensed product can be found in the following License Information documents:

Program name	PID number	Charge Metric	License Information document number
Red Hat Advanced Cluster Management for Kubernetes for Power 1 year	5639-AC1	Per Server	N/A
Red Hat Advanced Cluster Management for Kubernetes for Power 3 year	5639-AC3	Per Server	N/A

## Terms and conditions

### Terms and conditions for the vendor program

#### **Licensing**

Vendor's license terms apply.

#### **Limited warranty**

Not warranted by IBM. Warranty, if any, provided by vendor.

#### **Volume orders**

Yes. Contact your IBM representative.

#### **Educational allowance**

Not applicable

## Statement of good security practices

IT system security involves protecting systems and information through intrusion prevention, detection, and response to improper access from within and outside your enterprise. Improper access can result in information being altered, destroyed, or misappropriated or can result in misuse of your systems to attack others. Without a comprehensive approach to security, no IT system or product should be considered completely secure and no single product or security measure can be completely effective in preventing improper access. IBM systems and products are designed to be part of a regulatory compliant, comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products, or services to be most effective.

**Important:** IBM does not warrant that any systems, products, or services are immune from, or will make your enterprise immune from, the malicious or illegal conduct of any party.

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## Prices

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

Red Hat Advanced Cluster Management for Kubernetes for Power introduces the following feature numbers:

### ***5639-AC1 -Red Hat Advanced Cluster Management for Kubernetes for Power 1 year***

<b>Feature description</b>	<b>OTC Feature number</b>
RHACM per Svr up to 2 cores w 1yr PRM RH sub and spt	0001
RHACM per Svr up to 2 cores w 1yr STD RH sub and spt	0002

### ***5639-AC3 -Red Hat Advanced Cluster Management for Kubernetes for Power 3 year***

<b>Feature description</b>	<b>OTC Feature number</b>
RHACM per Svr up to 2 cores w 3yr PRM RH sub and spt	0001
RHACM per Svr up to 2 cores w 3yr STD RH sub and spt	0002

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## Regional availability

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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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