

IBM Power Private Cloud Solution is enhanced to support selected Red Hat OpenShift Container Platform for Power subscriptions as Shared Utility Capacity software resource

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Overview

The IBM^(R) Power^(R) Private Cloud Solution with Shared Utility Capacity was initially launched with support to share Base processor and memory hardware resources, as well as IBM AIX^(R) and IBM i license entitlements, across a collection of similar IBM Power servers in an enterprise.

Now, selected Red Hat^(R) OpenShift^(R) Container Platform 4.8 (OCP) for Power Premium Subscriptions sold as IBM program products will be eligible to deploy as Base and Metered Capacity resources within a Power Enterprise Pool (2.0).

Key requirements

- A valid 5639-OCP Premium Subscription or Premium Subscription/Red Hat Support for two or more cores on each Power server, which will run OpenShift Container Platform.
- To enable OCP Premium Subscription PID features as Shared Utility Resources within a Pool, an initial order of Product ID 5799-OC2 "OpenShift Enablement for Power Private Cloud/Pools 2.0" must be placed, which includes i-listed PRPQ P91343. The following information must be included in the request for PRPQ P91343 approval:
 - Company name
 - Address
 - Contact name and e-mail of primary administrator of OpenShift Container Platform on Power
 - Initial quantity of 2-core Premium Subscription features or Premium Subscription/Red Hat Support features being ordered or to be enabled as Base OCP resources within the pool.
- An active Resource Monitoring and Control (RMC) connection is required between the HMC and each virtual machine running Red Hat OCP.
- Hardware Management Console (HMC) 10.1.1010, or later, is required.

Effective date

May 17, 2022

Availability within a country is subject to local legal requirements.

Description

The following Red Hat OpenShift Container Platform for Power Premium Subscriptions procured from IBM, with required features included, will be monitored by an IBM Cloud^(R) Management Console (CMC), are eligible to be shared as Base Capacity, and are available as pay-per-use Metered Capacity resources when a Power Enterprise Pool (2.0) is started:

5639-OCP	Red Hat OpenShift Container Platform for Power with 1, 3, or 5 year Premium Subscription features or Premium Subscription/Red Hat Support features (Note: Standard subscription features are not supported as Shared Utility Capacity resources.)
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In a Power Enterprise Pool, Base Capacity resources may be shared across systems within a pool. Red Hat OCP Base subscription entitlement for each system will be set to the number of cores entitled by the current, valid subscription for that system.

Metered Capacity resources above the Base Capacity of a pool are activated, available for use, and charged by the minute when used.

All systems expected to share Base Red Hat OCP subscription entitlement resources within a pool must have the same Red Hat OCP subscription product and any add-on features.

To enable a client's Red Hat OCP subscriptions as Base and Metered Capacity resources within a Power Enterprise Pool (2.0) environment, in addition to any new PID 5639-OCP subscription orders, IBM or a Business Partner Sales teams must also place a single order on one system in the pool for Product ID 5799-OC2 and include i-listed PRPQ P91343. The following information must be included in the request for PRPQ P91343 approval:

- Company name
- Address
- Contact name and e-mail of primary administrator of OCP on Power
- Red Hat Network account number
- Initial quantity of 2-core Premium Subscription features or Premium Subscription/Red Hat Support features being ordered or to be enabled via 5639-OCP as Base OCP resources within the pool.

Note: If the PRPQ is not initially ordered and installed on a system within a Pool, OpenShift resources will not yet be enabled.

Linux^(R) subscription entitlement is monitored and metered independently of processor activations. Metered Capacity charges for minutes of Red Hat OCP use exceeding a pool's Base of respective subscription entitlement will be charged by the minute and debited, similar to AIX or IBM i operating system minutes, against the pool's Power Capacity Credit balance.

At initial GA, when PRPQ P91343 is ordered alongside a valid 5639-OCP subscription for the first system in a Power Enterprise Pool, the aggregate quantity of Base OCP resources in the Pool will be increased by 3 (at no additional charge) to provide a quantity of virtual CPUs for use in VMs supporting Control Plane operations without incurring Metered Capacity charges.

Metered Capacity resources consumed on Power E1080 and Power E980 systems are debited against one Capacity Credit at the following rates:

Power E1080 or E980 Metered resource	Usage ratio (Minutes: 1 Capacity Credit)
Red Hat OpenShift Container Platform for Power	22,000

Metered Capacity resources on Power E950 systems consumed will be debited against one Capacity Credit at the following rates:

Power E950 Metered resource	Usage ratio (Minutes: 1 Capacity Credit)
Red Hat OpenShift Container Platform for Power	23,000

Metered Capacity resources on Power S924 or Power S922 systems consumed will be debited against one Capacity Credit at the following rates:

Power S924 or Power S922 Metered resource	Usage ratio (Minutes: 1 Capacity Credit)
Red Hat OpenShift Container Platform for Power	23,000

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Note: Shipments will begin after the planned availability date.

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