

IBM Resiliency Orchestration delivers a single dashboard that combines automation and analytics for faster, more cost-effective disaster recovery

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At a glance

IBM^(R) Resiliency Orchestration provides:

- Business benefits that include:
 - Reduced risk. Orchestration simplifies disaster recovery through pre-packaged patterns and intelligent workflow automation. This significantly improves reliability of the disaster recovery (DR) solution and data Recovery Point Objective (RPO) and Recovery Time Objective (RTO) Service Level Agreements.
 - Validated DR readiness. Automated, non-intrusive DR testing and validation can reduce testing times and failover and failback.
 - Increased efficiency and reduced costs.
- IT benefits include:
 - Reduction in DR exercise time
 - Reduction in dependency on experts
 - Real-time monitoring by using an integrated dash board view
 - One-click failover and recovery
 - Extensive, enterprise interoperability to support heterogeneous environments
 - Comprehensive disaster recovery audit and compliance reports
 - Lower total cost of ownership and faster return on investment realization

Overview

In 2016, IBM announced the acquisition of Sanovi Technologies, a privately held company that provides hybrid cloud recovery, cloud migration, and business continuity software for enterprise data centers, and cloud infrastructure. By adding these capabilities along with advanced analytics, IBM can better bolster its Software Defined Resiliency strategy and delivery of Business Continuity and DR services for clients who undergo digital and hybrid cloud transformation.

With the Sanovi software, IBM further empowers clients to redefine their DR strategy in the face of unprecedented industry change. The addition of the Sanovi orchestration technology to the existing IBM Resiliency portfolio offers a solution to help:

- Simplify and automate the DR process.
- Manage recovery workflows.

- Reduce recovery time, operating costs, and DR drill testing time.

IBM Resiliency Orchestration, an on-premise IBM software offering, features a management solution for aligning DR infrastructure and capabilities with Recovery Time and Recovery Point objectives. This software offers disaster recovery monitoring, reporting, testing and workflow automation capabilities of complex, hybrid cloud environments in a scalable solution that is built on industry standards. In contrast to IBM Cloud Resiliency Orchestration, which provides ongoing fully-managed services, this new offering allows clients to purchase the on-premise software and optional implementation services. The result is a unified, DR management solution that delivers real-time, DR readiness validation and offers clear business and operational advantages.

The software combines automation and analytics for faster, more cost-effective disaster recovery to help keep daily business operations running and to proactively avoid disruptions that lead to lost revenue, brand damage, and dissatisfied clients. Resiliency Orchestration can simplify disaster recovery automation with real-time readiness validation that can reduce DR test times and disaster recovery failover time. This results in a more cost-effective disaster recovery experience that is smarter, more tailored and more agile than ever before.

Key prerequisites

Resiliency Orchestration requires:

- Workstation with a minimum:
 - Intel Xeon™ processor of 2.27GHz
 - 8 GB of memory
 - Four processor cores
- Red Hat Enterprise Linux™ (RHEL) 7.3
- MariaDB 10.1.19
- Apache Tomcat 7.0.55

For specific requirements, refer to the [Technical information](#) section.

Planned availability date

October 6, 2017

Accessibility by people with disabilities

A US Section 508 Voluntary Product Accessibility Template (VPAT), containing details about accessibility compliance, can be found on the [IBM Accessibility](#) website.

Section 508 of the US Rehabilitation Act

IBM Resiliency Orchestration Software is capable as of October 6, 2017, when used in accordance with associated IBM documentation, of satisfying the applicable requirements of Section 508 of the Rehabilitation Act, provided that any assistive technology used with the product properly interoperates with it. A US Section 508 Voluntary Product Accessibility Template (VPAT) can be found on the [IBM Accessibility](#) website.

Reference information

For implementation services available for Resiliency Orchestration, see Services Announcement [617-016](#), dated October 3, 2017.

Program number

Program number	VRM	Program name
5737-E60	7.2.0	IBM Resiliency Orchestration

Education support

IBM training provides education to support many IBM offerings. Descriptions of courses for IT professionals and managers can be found on the [IBM Training and Skills](#) website.

Call IBM training at 800-IBM-TEACH (426-8322) for catalogs, schedules, and enrollments.

Offering Information

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

More information is also available on the [Passport Advantage^{\(R\)}](#) and [Passport Advantage Express^{\(R\)}](#) website.

Publications

Documentation for Resiliency Orchestration is available at [IBM Knowledge Center](#).

Services

Software Services

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To learn more about IBM Software Services, contact your Lab Services Sales or Delivery Leader.

Technical information

Specified operating environment

Hardware requirements

Resiliency Orchestration requires:

- Disaster recovery management requires:
 - Workstation with a minimum of:

- Intel Xeon processor of 2.27 GHz
- 8 GB of memory
- Four processor cores
- Site Controller with remote agents only requires:
 - A minimum of 8 GB of memory and 2 processor cores
- Site Controller with local agents only requires:
 - A minimum of 8 GB of memory and 4 processor cores

Software requirements

Resiliency Orchestration requires:

- Red Hat Enterprise Linux (RHEL) 7.3
- MariaDB 10.1.19
- Apache Tomcat 7.0.55

Planning information

Packaging

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

For information regarding this offering, see [IBM Marketplace](#). On IBM Marketplace, you can discover, try, and buy software, hardware, and services from IBM and third-party providers.

Ordering information

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Product Group: IBM Disaster Recovery

Product: IBM Resiliency Orchestration V7.2 (5737-E60)

Product Category: Disaster Recovery

Passport Advantage

IBM Resiliency Orchestration V7.2 (5737-E60)

Program name/Description	Part number
IBM Resiliency Orchestration - Virtual Machine Image Resource Value Unit (RVU) License + SW Subscription & Support 12 Months	D1UP7LL
IBM Resiliency Orchestration -Virtual Machine Image RVU Annual SW Subscription & Support Renewal 12 Months	E0NSSLL
IBM Resiliency Orchestration - Virtual Machine Image RVU SW Subscription & Support Reinstatement 12 Months	D1UP8LL

Program name/Description	Part number
IBM Resiliency Orchestration - Virtual Machine Image RVU Monthly License	D1UPDLL
IBM Resiliency Orchestration - Bare Metal Machine Image RVU License + SW Subscription & Support 12 Months	D1UPALL
IBM Resiliency Orchestration - Bare Metal Machine Image RVU Annual SW Subscription & Support Renewal 12 Months	EONSTLL
IBM Resiliency Orchestration - Bare Metal Machine Image RVU SW Subscription & Support Reinstatement 12 Months	D1UPBLL
IBM Resiliency Orchestration - Bare Metal Machine Image RVU Monthly License	D1UPELL

Charge metric

Program name	Part number or PID number	Charge metric
IBM Resiliency Orchestration V7.2	5737-E60	Resource Value Unit (RVU)

Resource Value Unit (RVU)

Resource Value Unit (RVU) is a unit of measure by which the Program can be licensed. RVU Proofs of Entitlement are based on the number of units of a specific resource used or managed by the Program. Licensee must obtain sufficient entitlements for the number of RVUs required for Licensee's environment for the specific resources as specified in the table below. RVU entitlements are specific to the Program and the type of resource and may not be exchanged, interchanged, or aggregated with RVU entitlements of another program or resource.

Instead of the entitlements required for the Resources used by the Program directly, Licensee must obtain entitlements for this Program sufficient to cover the Resources managed by the Program.

Virtual Machine Image RVU

For IBM Resiliency Orchestrator - Virtual Machine Image, the Resource for the purpose of RVU calculation is a Virtual Server managed by the Program. A Server is a physical computer that is comprised of processing units, memory and input/output capabilities, and that executes requested procedures, commands or applications for one or more users or client devices. Where racks, blade enclosures, or other similar equipment is being employed, each separable physical device (for example, a blade or a rack-mounted device) that has the required components is considered itself a separate Server. A Virtual Server is either a virtual computer created by partitioning the resources available to a physical Server or an unpartitioned physical Server.

Bare Metal RVU

For IBM Resiliency Orchestrator - Bare Metal Image, the Resource for the purpose of RVU calculation is a Server managed by the Program. A Server is a physical computer that is comprised of processing units, memory, and input/output capabilities and that executes requested procedures, commands, or applications for one or more users or client devices. Where racks, blade enclosures, or other similar equipment is being employed, each separable physical device (for example, a blade or a rack-mounted device) that has the required components is considered itself a separate server.

Resource Value Unit Conversion Table

Resources	RVUs per resource
1 - 100	1.0 RVU per Resource
101 - 250	100 RVUs plus 0.9 RVUs per Resource above 100

Resources	RVUs per resource
251 - 500	235 RVUs plus 0.8 RVUs per Resource above 250
501 - 750	435 RVUs plus 0.6 RVUs per Resource above 500
751 - 1,250	585 RVUs plus 0.5 RVUs per Resource above 750
1,251 - 2,000	835 RVUs plus 0.4 RVUs per Resource above 1,250
2,001 or more	1,135 RVUs plus 0.3 RVUs per Resource above 2,000

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License Information number

Program name	Program number	License Information number
IBM Resiliency Orchestration V7.2	5737-E60	L-YPUY-AQABSV

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Limited warranty applies

Yes

Limited warranty

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Other support

Passport Advantage

Variable charges apply

No

Educational allowance available

Not applicable.

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Prices

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