

IBM Resiliency Orchestration V7.3.0 delivers Cyber Incident Recovery for platform configuration and data to help prevent and recover from cyber attacks

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At a glance

IBM^(R) Resiliency Orchestration V7.3.0 includes the following Cyber Incident Recovery capabilities:

- Reduces risks of backup data corruption by enabling air-gapped access.
- Prevents corruption of backup data by supporting immutable storage.
- Reduces downtime to help ensure short recovery time objectives (RTO).
- Utilizes copy data management solutions for efficient point-in-time recovery.
- Identifies changes to platform configuration files that can reduce the impact of cyber attacks.

Overview

Resiliency Orchestration can automate the workflow of your Disaster Recovery (DR) environment for a more predictable, simplified recovery, and operation that runs continuously. This leads to reduced risk, cost, and testing time. It enables complete DR lifecycle management and now Cyber Incident Recovery orchestration for complex, hybrid infrastructures that include traditional IT and private and public clouds.

Resiliency Orchestration V7.3.0 adds the following capabilities:

- Cyber Incident Recovery orchestration that enables organizations to detect platform configuration changes and enables administrators to accept or reject a change. More importantly, a master copy of the configuration is saved that can be used for recovery, when required.
- Rapid recovery from cyber attacks.

These capabilities can minimize costs by helping to limit the impact of cyber attacks during early stages and enable organizations to quickly recover after these attacks have occurred.

Resiliency Orchestration can provide IT benefits that 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

For additional information on Resiliency Orchestration, see Software Announcements

- [218-066](#), dated February 6, 2018
- [217-434](#), dated October 3, 2017

Key prerequisites

Resiliency Orchestration requires:

- Workstation with a minimum:
 - Intel Xeon™ processor of 2.27 GHz
 - 8 GB of memory
 - Four processor cores
- Red Hat Enterprise Linux^(R) (RHEL) 7.3
- MariaDB 10.1.19
- Apache Tomcat 7.0.90

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

Planned availability date

August 17, 2018

Description

Resiliency Orchestration V7.3.0 delivers Cyber Incident Recovery for platform configuration and data:

- Orchestration of Cyber Incident Recovery for platform configuration
 - Monitors platform configuration changes and recovers quickly from cyber attacks that have corrupted the configuration and altered the behavior of data center platforms. This includes network devices, storage devices, virtual and physical machines:
- Enables logical air-gap protection for configurations of network devices and virtual and physical machines to Cloud Object Storage by using replication.
- Enables identification of cyber breaches to configuration files and enables responses with built-in intelligence.
- Enables quick restoration of device configurations onto production infrastructure.
- Enables rapid restoration of platform configurations files onto clean production infrastructure.
- Provides the capability to test the configuration recovery solution frequently without impacting production.
- Provides visibility and reporting into the configuration files recovery process to help ensure compliance and readiness.
- Orchestration of Cyber Incident Recovery for data

Recover quickly from cyber attacks that have corrupted applications and their data on virtual machines:

- Enables logical air-gap protection of applications and their data to Cloud Object Storage by utilizing copy data management solutions.
- Enables integration with third party analytics and forensics tools to proactively detect cyber anomalies.
- Provides rapid recovery of clean data copies onto production or DR infrastructures.
- Provides the capability to test data recovery frequently without impacting production.
- Provides visibility and reporting into the data recovery process to help ensure compliance and readiness.

Additional platform support in Resiliency Orchestration V7.3.0 to orchestrate:

- Disaster Recovery that runs VMware in the IBM Cloud™ on the Zerto IT Resilience Platform
- Cyber Incident Recovery that uses IBM Cloud Object Storage with Actifio for CyberResiliency

Accessibility by people with disabilities

A US Section 508 Accessibility Compliance Report containing details on accessibility compliance can be found on the [Product accessibility information](#) website.

Section 508 of the US Rehabilitation Act

IBM Resiliency Orchestration V7.3.0 is capable as of August 17, 2018, when used in accordance with related 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 [Product accessibility information](#) website.

Statement of general direction

IBM intends to announce IBM Resiliency Orchestration support of IBM Spectrum Protect™ Plus as the underlying Copy Data Manager for Cyber Incident Recovery within the next 12 months, but not later than August, 2019. This is planned to enable Platform Configuration Recovery and Data Recovery for Spectrum Protect Plus.

The following programs are intended to be affected:

- Resiliency Orchestration (5737-E60)
- Spectrum Protect Plus (5737-F11)

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Reference information

For capabilities previously announced for Resiliency Orchestration, see Software Announcements:

- [218-066](#), dated February 6, 2018
- [217-434](#), dated October 3, 2017

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 | 7.3.0 | 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 will be available in [IBM Knowledge Center](#) on August 17, 2018. Select your appropriate release.

Services

Software Services

IBM Software Services has the breadth, depth, and reach to manage your services needs. You can leverage the deep technical skills of our lab-based, software services team and the business consulting, project management, and infrastructure expertise of our IBM Global Services team. Also, we extend our IBM Software Services reach through IBM Business Partners to provide an extensive portfolio of capabilities. Together, we provide the global reach, intellectual capital, industry insight, and technology leadership to support a wide range of critical business needs.

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 at a minimum:

- Red Hat Enterprise Linux (RHEL) 7.3
- MariaDB 10.1.19
- Apache Tomcat 7.0.90

For additional software requirements, see the *Installation Guide* and Interop List for your specific release on [IBM Knowledge Center](#), after August 17, 2018.

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

This product is only available through Passport Advantage. It is not available as shrinkwrap.

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More information can be found on the [IBM Channel Value Rewards](#) website.

To locate IBM Business Partners for Channel Value Rewards in your geography for a specific Channel Value Rewards portfolio, go to the [Find a Business Partner](#) page.

Product Group: IBM Disaster Recovery

Product: IBM Resiliency Orchestration V7.3.0 (5737-E60)

Product Category: Disaster Recovery

Passport Advantage

Part number information is unchanged. See Software Announcement [217-434](#), dated October 3, 2017.

Charge metric

| Program name | Part number or PID number | Charge metric |
|-------------------------------------|---------------------------|---------------------------|
| IBM Resiliency Orchestration V7.3.0 | 5737-E60 | Resource Value Unit (RVU) |

For charge metric descriptions, see the License Information documents that are listed in the **Terms and conditions** section.

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License Information number

IBM Resiliency Orchestration V7.3.0 (5737-E60)

The following License Information documents apply to the offering in this announcement:

| License Information name | License Information number |
|--|---|
| IBM Resiliency Orchestration - Dedicated Servers | L-RRAN-AYZF9R |
| IBM Resiliency Orchestration - Virtual Servers & Devices | L-RRAN-AYZFL2 |
| | http://www14.software.ibm.com/cgi-bin/weblap/lap.pl?li_formnum=L-RRAN-AYZF9R |

Select your language of choice.. Follow-on releases, if any, may have updated terms. See the [License Information documents](#) website for more information.

Limited warranty applies

Yes

Limited warranty

IBM warrants that when the program is used in the specified operating environment, it will conform to its specifications. The warranty applies only to the unmodified portion of the program. IBM does not warrant uninterrupted or error-free operation of the program or that IBM will correct all program defects. You are responsible for the results obtained from the use of the program.

IBM provides you with access to IBM databases containing information on known program defects, defect corrections, restrictions, and bypasses at no additional charge. For further information, see the [IBM Software Support Handbook](#).

IBM will maintain this information for at least one year after the original licensee acquires the program (warranty period).

Program technical support

Technical support of a program product version or release will be available for a minimum of five years from the general availability date, as long as your Software Subscription and Support (also referred to as Software Maintenance) is in effect.

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For additional information on the IBM Software Support Lifecycle Policy, see the [IBM Software Support Lifecycle Policy](#) website.

Money-back guarantee

If for any reason you are dissatisfied with the program and you are the original licensee, you may obtain a refund of the amount you paid for it, if within 30 days of your invoice date you return the program and its PoE to the party from whom you obtained it. If you downloaded the program, you may contact the party from whom you acquired it for instructions on how to obtain the refund.

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Volume orders (IVO)

No

Passport Advantage applies

Yes, information is available on the [Passport Advantage and Passport Advantage Express](#) website.

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For additional information about the International Passport Advantage Agreement and the IBM International Passport Advantage Express Agreement, go to the [Passport Advantage and Passport Advantage Express](#) website.

Other support

Passport Advantage

Variable charges apply

No

Educational allowance available

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.

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Prices

The prices are unchanged by this announcement.

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Corrections

(Corrected on September 18, 2018)

The At a glance and Description sections are revised.