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RELEASE NOTES

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LiveVault Release Notes

Software version: 9.1.0

Publication date: January, 2024

This document describes new features and resolved issues for LiveVault 9.1.0.

New Features in this Release

This section lists the enhancements to LiveVault version 9.1.0.

Supported Platform Updates

LiveVault Agents

- Added support for Microsoft SQL Server 2022.
- Added support for Red Hat Enterprise Linux v9.

Other Improvements

LiveVault Web Management Portal

- Added Microsoft Cluster standard agent auto upgrade functionality.
- Added option to delete Server templates.
- Enhanced ADRT with automatic backup of all DR-related information / data.
- Many other minor improvements and bug fixes for better experience.

Known Issues

This section lists known issues in LiveVault version 9.1.0.

- There are no known issues.

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Installation Requirements

This section describes the system requirements, supported platforms, and software dependencies for LiveVault 9.1.0.

The documented platforms are the recommended and most fully tested platforms for LiveVault. Other platforms may be supported and LiveVault can provide support for other platforms on request.

Windows Minimum System Requirements

The following are minimum system requirements for LiveVault 9.1.0 on Windows.

Component	Compatibility
Operating System	• Microsoft Windows Server 2022 • Microsoft Windows Server 2019 • Microsoft Windows Server 2016 • Microsoft Windows Server 2012 R2 • Microsoft Windows Server 2012 • Microsoft Windows Server 2008 R2 SP1

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Component	Compatibility
Clustered agents	2-node Windows clusters only, on the following operating systems: • Windows Server 2022 • Windows Server 2019 • Windows Server 2016 • Windows Server 2012 R2 • Windows Server 2012 • Windows Server 2008 R2 SP1 Hyper-V clusters, on the following operating systems: • Windows Server 2022 • Windows Server 2019 • Windows Server 2016 **Note:** Disaster Recovery of cluster nodes is not supported. **Note:** Continuous backup schedules on Hyper-V cluster nodes are not supported. **Note:** Only Cluster Shared Volume (CSV) is supported for Hyper-V cluster.
File System	• NTFS on Windows 2008 R2 SP1 and later. • Resilient File System (ReFS) on Windows 2012 and later. • Volumes optimized for data deduplication on Windows 2012 and later. For more information on Windows 2012 with ReFS and data deduplication, refer to your Windows documentation.
Additional RAM	128 MB of free memory under normal load.

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Component	Compatibility
Available Disk Space for snapshot cache	15% to 20% free space to allow proper Volume Shadow Copy Service (VSS) function and prevent excessive fragmentation. LiveVault recommends that VSS be configured to use a maximum size limit rather than be allowed to use unlimited shadow copy storage on the volume(s). By default, the maximum size use limit is 10% of the drive (s) where the snapshots are stored. Adjust the settings accordingly. For more information on configuring VSS snapshot limits, refer to your Windows documentation.
Data Directory Disk Space	LiveVault recommends you to select a location other than your system volume for the backup database files during installation of the agent software. The backup database files can grow to consume an amount of space that depends on the number of backup policies you create and the amount of data you are backing up. Optimally, the volume for the LiveVault data directory should have at least 5 GB free disk space.
Data Directory on Windows Server 2012 and later	LiveVault recommends you install the data directory to a NTFS or ReFS formatted volume on Windows Server 2012 and later.
Firewall settings	Create two outbound packet filters for LiveVault as follows: • Protocol: TCP Direction: Outbound Local port: Dynamic Remote port: 2144 • Protocol: TCP Direction: Outbound Local port: Dynamic Remote port: 2145 It is only necessary to create outbound filters, because no inbound connections come from the LiveVault service that would require an inbound packet filter.

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Linux Minimum System Requirements

The following are minimum system requirements for LiveVault 9.1.0 on Linux.

Component	Compatibility
Linux Distribution	• Red Hat Enterprise Linux 9 • Red Hat Enterprise Linux 8 • Red Hat Enterprise Linux 7 • Red Hat Enterprise Linux 6 • Red Hat Enterprise Linux 5 • SUSE Linux Enterprise Server 15 • SUSE Linux Enterprise Server 12 • SUSE Linux Enterprise Server 11 • SUSE Linux Enterprise Server 10
File System	Red Hat Enterprise Linux: • Ext3 • Ext4 • XFS SUSE Linux Enterprise: • Ext3 • ReiserFS
Additional RAM	256 MB of free memory under normal load
Privilege level	Root access or enough privileges to elevate terminal sessions to root.
Available Disk Space	5% free disk space

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Application-Aware Requirements

This section specifies the operating system and application requirements for LiveVault application-aware backups and restores.

Application	Compatibility
Microsoft SQL-Awareness	• Microsoft SQL Server 2022 • Microsoft SQL Server 2019 • Microsoft SQL Server 2017 • Microsoft SQL Server 2016 • Microsoft SQL Server 2014 • Microsoft SQL Server 2012 • Microsoft SQL Server 2008 R2 SP1 **Note:** Disaster recovery of cluster nodes is not supported.
Microsoft Exchange-Awareness	• Microsoft Exchange Server 2019 • Microsoft Exchange Server 2016 • Microsoft Exchange Server 2013 • Microsoft Exchange Server 2010 **Note:** Disaster recovery of cluster nodes is not supported.

CIFS Collector Agent Requirements

This section specifies the hardware and operating system requirements for a CIFS Collector Agent.

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Component	Compatibility
CIFS Collector Agent	A CIFS Collector Agent computer must meet all of the following requirements to protect NAS devices and CIFS share data: • Dedicated, single use, server. **Note:** Clustered servers are not supported as CIFS collector agents. • 4 GB RAM or higher. • Data Directory Disk Space. The CIFS backup database files can grow to consume a lot of space, depending on the number of CIFS backup policies you create and the amount of data you are backing up. Optimally, the volume for the LiveVault data directory should have the larger of 1 percent of the CIFS data under protection or 10 GB free disk space. For example: ▪ 1 TB or less protected data requires 10 GB of free space on the volume containing the data directory. ▪ 2 TB protected data requires 20 GB of free space on the volume containing the data directory • Domain member of the same domain as the NAS devices to be protected. **Note:** The CIFS Collector Agent can be a virtual machine as long the virtual hardware and storage meet all of the system requirements above.
Administrative User Account	The user account used during CIFS Collector Agent configuration must meet the following criteria: • Administrator role on the Collector Agent computer. • Administrative Privileges to access the volumes on the CIFS shares. **Note:** Administrative privileges are required in order to back up ACLs on the CIFS shares and to restore files to the CIFS shares properly. If the user account does not have administrative privileges to the CIFS shares, files may be backed up without the ACLs, and restores to the CIFS shares will fail.

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