



 **Newsletter for New Features**
Version 11 Service Pack 10

Friday, December 15, 2017



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Installation

Service Pack Automatic Downloads Available on January 15, 2018

Service Pack 10 is now available for automatic downloads. Customers who would like to get the service pack immediately may download it manually using the instructions linked from Service Pack Installations. For customers that use the default schedules, the software automatically downloads on or after January 15th, 2018.

Simplified Onboarding of Laptop Users in the MSP Environment

A new simplified process to onboard new laptop customers in MSP environments that lets you create a common Commvault software installation package that can be installed by multiple tenants using an Authorization Code.

You can add new users and auto-activate those users who use an external directory service, or add and auto-activate local users to the CommCell database.

Key Features

- You can create one installation package that can be shared by tenants using an authorization code that is generated using Admin Console and pushed as a command line parameter.
- This feature provides a simplified user onboarding and auto-activation experience.

More Information

[Installing Endpoint Package](#)

Management of Third-party Key Management Server from the CommCell Console

From the CommCell Console, you can add, modify, or delete a third-party key management server. You can also associate the key management server with a storage policy copy from the CommCell Console.

More Information

[Managing a Key Management Server](#)

Server and MediaAgent

Data Encryption Configuration for Global Policies

You can configure data encryption for a global deduplication policy or for a global secondary copy policy.

If you enable data encryption on a global secondary copy policy, a dependent secondary copy re-encrypts the data with the cipher that is defined in the global secondary copy policy. However, you can override the encryption settings of the global secondary copy policy and configure different settings.

More Information

[Configuring Data Encryption on a Storage Policy Copy](#)

CommCell Management

Server Retirement Workflow

The Server Retirement workflow retires clients from your CommCell environment and sends email notifications to a selected list of users.

Key Features

The workflow automatically performs the following tasks:

- Disables all activity on the client
- Updates audit notes
- Sets the job retention time period
- Releases the client license

Optionally, you can require the workflow to trigger an approval phase.

More Information

- [Commvault Store: Server Retirement](#)
- [Server Retirement Workflow](#)

Backup Agents

Support for HDFS Storage Tiering Using the NFS ObjectStore - Early Release Feature

To reduce storage costs, use HDFS storage tiering to migrate cold data to the NFS ObjectStore.

More Information

[Hadoop Tiering Using the NFS ObjectStore](#)

Support for Oracle Database Migration to Oracle Database as a Service in the Oracle Cloud

Incremental system state backup operations back up only the system-protected files that were modified after the most recent backup operation.

You can migrate your Oracle database to Oracle Database as a Service from the Admin Console.

Use the Application Migration feature in the following scenarios:

- When you move or retire your data center
- When you want to create a clone of the production system in the cloud for development or testing
- When you want to create a standby instance for disaster recovery

Key Features

The Commvault software automates the following processes:

- Installing the Commvault Oracle Agent software on the Oracle DBaaS so that you can run backups on the migrated database
- Capturing the application server physical configuration
- Protecting the application data
- Creating the Oracle service and the database
- Provisioning the storage
- Restoring the data
- Validating the restore operation

Applicable Agents

Oracle

Setup Requirements:

- Admin Console
- Web Console
- Oracle Agent

More Information

[Performing Database Application Migration to Oracle Database as a Service](#)

Oracle 12 Multitenant Support Through Pluggable Database Tracking

Oracle has introduced the Multitenant feature for Oracle 12c. There are 2 main databases that are part of the Multitenant feature:

- The container database (CDB): This database contains the files that the database needs to run, such as the control file, the dictionary, and the redo logs. A CDB can contain one or more pluggable databases.
- Pluggable databases (PDB): The PDBs contain data files and tablespaces. They do not contain any control file because they use the CDB control file. Each PDB has a unique database ID.

If you have Oracle 12c, then you can unplug a PDB from one CDB and plug it into a new CDB to simplify software patching and maintenance. When you move a PDB to a new CDB instance, Oracle prunes the database backup information from the original CDB instance and does not update the new CDB instance with the backup information. The Commvault Oracle Agent software tracks the PDB and its container database at a specific point in time so that you can identify the CDB for any point-in-time restore operation.

The Commvault software includes the PDB database ID in backups. You can run a script from the command line that displays the following PDB information:

- The client name where you ran the backup
- The Oracle instance name
- The Oracle PDB name
- The backup creation time
- The backup end time
- The PDB database ID

After you have this information, you can use RMAN scripts to plug the PDB into a new CDB, or to clone the PDB.

Applicable Agents

Oracle

Setup Requirements

You must have an Oracle 12c environment that has Container Databases and Pluggable Databases.

Recommendations

The following configurations are supported:

- Oracle 11gR2, Oracle 12CR1, Oracle 12CR2
- Oracle Standard or Enterprise Editions
- Single instances

More Information

[Viewing the Oracle PDB Database ID](#)

SQL Server Agent Support for Microsoft SQL Server 2017 on Windows

The SQL Server Agent supports Microsoft SQL Server 2017 On Windows.

Applicable Agents

SQL Server Agent

More Information

[System Requirements - SQL Server Agent](#)

[Supported Features - Microsoft SQL Server Agent](#)

SQL Server Agent Support for SQL Server 2017 on Linux

You can perform traditional backup operations and restore operations on SQL Server databases that run on the following Linux platforms:

- Red Hat Enterprise Linux 7.3 or 7.4 Workstation, Server, and Desktop
- SuSE Linux 12 SP2 Enterprise Server
- Ubuntu16.04 LTS

Applicable Agents

SQL Server Agent

More Information:

[System Requirements - SQL Server Agent](#)

[Supported Features - Microsoft SQL Server Agent](#)

SQL Management Studio Plug-In Support for SQL Server 2016 and SQL Server 2017

The SQL Management Studio Plug-in supports SQL Server 2016 and SQL 2017.

Applicable Agents

SQL Server Agent

More Information

[Commvault Plug-in for SQL Management Studio](#)

Archiving Agents

Exchange Mailbox Agent ContentStore Mailbox Showcase

The Exchange Mailbox Agent ContentStore Mailbox provides SMTP-based journaling. Journalled messages are sent from any mail server to an external recipient using the SMTP protocol. In this case, the external recipient is a mailbox on the Commvault ContentStore Mail Server (SMTP).

The ContentStore Mailbox Showcase provides a live demonstration of how the ContentStore Mailbox archives journalled messages. In addition, the showcase provides a free 30-day trial where you can upload and test your own data in a preconfigured ContentStore Mailbox environment.

Key Features

Using the ContentStore Mailbox, you can do the following:

- Perform rules-based journaling without having the Exchange Enterprise Client Access License (CAL) on your Exchange server.
- Archive and index journalled messages.

The ContentStore Mailbox supports:

- Metadata, content searching, previews, and downloads
- Indexing P1 headers so that they can be searched

In addition, you can archive messages that are journalled using Office 365 with Exchange, on-premises Exchange servers, and non-Exchange mail servers.

Applicable Agents

Exchange Mailbox Agent

Licenses

Mailbox Archive Solution

Setup Requirements

The ContentStore Mailbox Showcase provides a preconfigured environment, so you do not need to perform any configurations yourself. However, for information about setting up the ContentStore Mailbox, see [Configurations for the Exchange Mailbox Agent ContentStore Mailbox](#).

More Information

[Commvault Demos and Trials](#)

File Discovery, Archiving, and Migrating Data to Cloud

The File Discovery and Archiving solution is a web-based user interface that you can use to discover and analyze the contents and the structure of your organization's file server and to anticipate your need for saving storage space. The file discovery solution runs a data discovery job and collects the data. Then, in the archiving solution dashboard, you can view statistical information about the data that is collected, such as total data, data types, data age, and data size.

Additionally, you can also archive data to cloud storage and retain the data for a longer period of time.

Note: A backup operation is not required to analyze content with the archiving solution.

Key Features

The File Discovery and Archiving solution provides the following features:

- Reports that you can view before and after an archiving operation runs
- Rules that you can modify to meet your organization's requirements
- Views of data that is archived, data that will be archived, and data that will remain on the disk.

Applicable Agents

- UNIX File System
- Windows File System

Licenses

For a new installation, you must install the following packages:

- A CommCell Console
- A MediaAgent
- The Index Server
- The File System Agent

More Information

[File Discovery, Archiving, and Migrating Data to Cloud](#)

IntelliSnap

IntelliSnap Support for the Kaminario Storage Array - Early Release Feature

Commvault software provides IntelliSnap technology so that you can manage snapshot operations for many applications and storage platforms, without custom scripting.

In this service pack, we added support for the Kaminario storage array.

Applicable Agents

- Microsoft SQL Server (Windows platform only)
- Oracle (Windows platform only)
- VMware
- Windows File System

More Information

[Kaminario Storage Array](#)

Virtualization

For VMware, IntelliSnap Backup Operations and Backup Copy Operations Run Without a Proxy ESXi Host

For VMware, IntelliSnap and backup copy operations, by default, run without mounting the snapshot datastore to a proxy ESXi host (proxyless backups). Without mounting to a proxy ESXi host, during IntelliSnap and backup copy operations, the following occurs:

- **IntelliSnap operations:** All changed blocks (obtained through Changed Block Tracking incremental backups) will be stored in an XML file, which is then uploaded to the Index Server. File system APIs are used to read the data.
- **Backup copy operations:** The snapshot datastores are mounted locally to the VSA proxy machine. The proxy ESXi host mount does not occur. File system APIs are used to read the data.

Key Features

The advantages of not mounting the snapshot datastore to a proxy ESXi host are as follows:

- Virtual Machine File System (VMFS) and Changed Block Tracking (CBT) information are retrieved during the snapshot backup operation rather than from the mounted snapshot.
 - The IntelliSnap backup operation might take longer, but the time required to mount the datastore to the VSA proxy is considerably reduced. Overall, the backup is faster.
 - There are no rescan and refresh operations (which would occur after the mount and unmount operations).
- There is no extra ESXi host (hardware and license).
- There is no need to repurpose a production ESXi host computer as a proxy.

Applicable Agents

Virtual Server Agent

Licenses

- Virtual Server for streaming backups
- Hardware Snapshot Enabler for IntelliSnap backups

Setup Requirements

System Requirements

The following virtual machine operating systems are supported:

- ESXi versions: 5.5, 6.0, 6.5 (includes all updates)
- Proxy operating system versions:
 - Microsoft Windows Server 2016
 - Microsoft Windows Server 2012 R2 x64 Editions
 - Microsoft Windows Server 2012 x64 Editions
 - Microsoft Windows Server 2008 R2 x64 Editions
- Guest operating system versions: All operating systems that are supported by VADP.

More Information

[IntelliSnap Backup and Backup Copy Operations Run Without a Proxy ESXi Host](#)

Reports

Reports Content Search on Web Console

Search for information such as server names, job types, and storage media across all reports on Web Console and find the reports that contain your search term. You can use any Index Server within the CommCell environment to enable content searches.

More Information

[Reports Content Search](#)

Disaster Recovery

Restoring Multiple Domain Controllers Using an Active Directory Forest Workflow

You can now use a predefined workflow to sequence the restore of multiple domain controllers including the system state data if a disaster occurs. Administrators can configure the Active Directory Forest Restore workflow from the CommCell Console.

The Active Directory Forest Restore workflow uses the most recent full system state backup and restores the data in-place on the client computer. You can also use the workflow to restore the data to several computer at the same time.

Key Features

Using the Active Directory Forest Restore workflow has the following benefits:

- If a disaster occurs, you can restore the domain controllers and system state data on the client computer.
- You can restore multiple domain controllers at the same time.

Applicable Agents

Active Directory Agent

More Information

[Predefined Workflow - Restoring Domain Controllers in an Active Directory Forest Restore](#)

Deprecated Products and Features

Several products and features are deprecated in Commvault software v11. In each case, we recommend that you consider your transition to the replacement products and features as part of your overall upgrade planning. For more information about the Obsolescence Policy, see [End-of-Life, Deprecated, and Extended Support - Obsolescence Policy](#).

If you require support in version 11 for features or products not covered in the list on this page, contact us at deprecated@commvault.com, and we will assist in providing the backup solution for your environment. You can also provide feedback and enhancement suggestions for deprecated products by contacting us at deprecated@commvault.com.

More Information

[End-of-Life, Deprecated and Extended Support for Products](#)

[End-of-Life, Deprecated and Extended Support for Features](#)

Did You Know?

- [You can create a VM from Commvault backups.](#)
- [Commvault has a backup appliance.](#)
- [You no longer have to schedule synthetic full backups manually.](#)

Additional Features

Early Release Features

Certain features in this newsletter are marked Early Release. Early release features are available for general use, and early adopters who use these features can provide feedback and enhancement suggestions by contacting us at EarlyRelease@commvault.com.

If you require support while using an early release feature, contact us directly at EarlyRelease@commvault.com, and we can assist you in customizing and troubleshooting it for your environment.

Service Pack Releases

Service Packs are a collection of updates released on a scheduled basis, containing cumulative hotfixes and updates since the initial release of a software version for example, v10, v11, to resolve software issues and enhance software performance.

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We recommend that you install the latest service pack to remain current with all fixes and enhancements; however, we fully support customers on the three most recent service packs. Thus, to remain fully supported, you must apply service packs at least every 6 months.

For a comprehensive list of released service packs and updates, see [Available Service Packs](#).

Upcoming Service Pack Releases

Service Pack 11 – March 15, 2018

Service Pack 12 – June 15, 2018

Service Pack 13 – September 15, 2018

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