



▶ Newsletter for Version 11 Service Pack 5 New Features

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Media Management

CLOUD GLOBAL REPOSITORY CELL — EARLY RELEASE FEATURE

You can enable the Cloud Global Repository Cell feature in the Global Repository Cell and in the PodCell systems. When you enable this feature, you can export the metadata of the clients in the PodCell systems to the cloud library, and then import the metadata from the cloud library to the Global Repository Cell. You can configure the schedules for importing and exporting the metadata.

KEY FEATURES

The Global Repository Cell feature is ideal for the following tasks:

- Disaster recovery as a service solution for clients
- Data analytics as a service

MORE INFORMATION

- [Cloud Global Repository Cell Overview](#)

NETWORK STORAGE POOL — EARLY RELEASE FEATURE

You can now configure a Network Storage Pool that provides a scalable and easy to configure storage solution. Multiple cross-platform MediaAgents can access a Network Storage Pool that has the following benefits:

- You can scale out the storage capacity on demand by adding more MediaAgents or mount paths.
- The added MediaAgents or the mount paths are automatically shared using the DataServer-IP.

MORE INFORMATION

- [Network Storage Pool](#)

SHARING A MOUNT PATH USING DATASERVER-IP — EARLY RELEASE FEATURE

You can now share a mount path with multiple MediaAgents by using the DataServer-IP transport type because it allows you to avoid the complexity of managing the user credentials for each mount path.

MORE INFORMATION

- [Sharing a Mount Path Using DataServer-IP](#)

TAPE TO TAPE COPY — EARLY RELEASE FEATURE

You can move the contents of a tape to another tape in the same library.

MORE INFORMATION

- [Move Contents of Media from One Tape to Another](#)

Data Management

CASE MANAGER SUPPORT FOR WINDOWS FILE SYSTEM AGENT

Case Manager is a feature in Compliance Search that enables compliance officers and legal teams to collect and retain electronically stored information (ESI) for electronic discovery based on individual persons. Case Manager now fully supports creating legal copies of Microsoft Windows file system data and collecting ESI from any client that has the Windows File System Agent.

KEY FEATURES

- Collect file system data that resides on laptops, desktops, and file servers that meets the specified criteria for a case.
- Copy ESI data to a legal hold with infinite retention.
- Search ESI that is collected in the case.
- Share the case data with other Compliance Search Users.

APPLICABLE AGENTS

- Windows File System Agent
- Exchange Mailbox (Classic) Agent
- Exchange Compliance Archiver Agent

SETUP REQUIREMENTS

- You must have Compliance Search deployed in your CommCell environment. For more information, see [Installing Compliance Search](#).

MORE INFORMATION

- [Overview of Case Manager for Compliance Officers](#)
- [Overview of Case Manager for Administrators](#)

Backup Agents

ORACLE APPLICATION MIGRATION — EARLY RELEASE FEATURE

You can use the Commvault Application Migration feature to move your database, such as Oracle, to third-party cloud storage.

Use the Application Migration feature in the following scenarios:

- When you move or retire your data center
- When you want to create a test of a demonstration system for the production system
- When you want to create a standby instance for Disaster Recovery

KEY FEATURES

The Commvault software automates the following processes:

- Capturing the application server physical configuration
- Protecting the application data
- Provisioning the cloud instance and storage
- Restoring the data
- Validating the restore operation
- Continuously applying changes from the production database backups to the migrated database by using the Live Sync feature

APPLICABLE AGENTS

- Oracle

APPLICABLE ARRAYS

- Amazon

MORE INFORMATION

- [Oracle Application Migration](#)

INFINISHARE FOR SHAREPOINT — EARLY RELEASE FEATURE

Infinishare allows users to access network file shares through SharePoint sites. You can apply SharePoint management options, such as versioning, to the content in the network file share. Users view the files as regular SharePoint content, even though the files reside on the network file share.

KEY FEATURES

- Automatically sync any new content that is added to the network file share after the initial migration.
- Move any documents that are uploaded to the SharePoint site to the network file share.

APPLICABLE AGENTS

- SharePoint Server Agent

LICENSES

- Microsoft SharePoint Server

SETUP REQUIREMENTS

- [Deploy SharePoint Storage Manager](#)

MORE INFORMATION

- [Infinishare for SharePoint](#)

MYSQL AGENT SUPPORTS BLOCK-LEVEL SYNTHETIC FULL BACKUPS — EARLY RELEASE FEATURE

You can use the MySQL Agent to perform block-level synthetic full backup operations.

KEY FEATURES

- Block-level synthetic full backups do not load the production environment because the backup is created on a backup repository.
- Block-level synthetic full backups consume few resources because the backup is created from the backup files that are already on the disk.

MORE INFORMATION

- [Performing a Block Level Synthetic Full Backup for MySQL Databases](#)

POSTGRESQL AGENT SUPPORTS BLOCK-LEVEL SYNTHETIC FULL BACKUPS — EARLY RELEASE FEATURE

You can use the PostgreSQL agent to perform block-level synthetic full backup operations.

KEY FEATURES

- Block-level synthetic full backups do not load the production environment because the backup is created on a backup repository.
- Block-level synthetic full backups consume few resources because the backup is created from the backup files that are already on the disk.

MORE INFORMATION

- [Performing a Block Level Synthetic Full Backup for PostgreSQL Databases](#)

SHAREPOINT AGENT SUPPORTS SHAREPOINT SERVER 2016

You can now use the SharePoint Agent to backup and restore your data from SharePoint Server 2016.

Note: For the SharePoint Document backup set, we support only full backups. Incremental backups are not yet supported.

MORE INFORMATION

- [Consideration for SharePoint Server 2016](#)

Archiving Agents

CONTENT ANALYZER, ENTITY EXTRACTION, AND ENTITY-BASED ARCHIVING — EARLY RELEASE FEATURE

With Content Analyzer and entity extraction, you can identify the data in your environment that contains one or more specific types of information. You can then use that knowledge to create more targeted strategies and increase the efficiency of your data management operations.

The Content Analyzer adds semantic identifiers to the content indexing data in your Search Engine. You can use these additional semantic identifiers to create more targeted rules for archiving based on specific types of information present in the content of the data. You can now archive files based on the content of the file or file extensions.

KEY FEATURES

- Locate specific types of important information contained within your data.
- Create rules to archive data based on the types of entities within the data content.
- Increase the efficiency and reliability of your automated data management operations.

APPLICABLE AGENTS

- OnePass for UNIX, Windows, and NAS

MORE INFORMATION

- [Content Analyzer and Entity Extraction](#)

CONTENTSTORE MAILBOX — EARLY RELEASE FEATURE

The ContentStore Mailbox type has been added to the Exchange Mailbox Agent. The ContentStore Mailbox provides SMTP-based journaling. Journal messages are sent from the Exchange servers to an external recipient using the SMTP protocol. In this case, the external recipient is the Commvault ContentStore Mail Server (SMTP).

KEY FEATURES

- The Exchange Mailbox Agent ContentStore Mailbox replaces the Exchange journal mailbox.
- You can perform rules-based journaling without having the Exchange Enterprise Client Access License (CAL) on your Exchange server.
- The ContentStore Mailbox configuration provides high availability.
- Load balancing provides horizontal scaling.
- Metadata (From, To, Subject, receive time, size, and so on) is indexed, which allows you to retrieve data quickly. Content indexing indexes entire messages.

APPLICABLE AGENTS

- Exchange Mailbox Agent

LICENSES

- Mailbox Archive Solution

SETUP REQUIREMENTS

- [Configurations for the Exchange Mailbox Agent ContentStore Mailbox.](#)

RECOMMENDATIONS

- [Recommendations for the Exchange Mailbox Agent ContentStore Mailbox.](#)

MORE INFORMATION

- [Configurations for the Exchange Mailbox Agent ContentStore Mailbox](#)

JOURNAL MAILBOX — EARLY RELEASE FEATURE

The Journal Mailbox type has been added to the Exchange Mailbox Agent. The Journal Mailbox works in conjunction with the message journaling feature of Microsoft Exchange Server software to archive all incoming and outgoing messages and attachments. A copy of all incoming messages and outgoing messages is captured in the Exchange Journal Mailbox.

KEY FEATURES

- Content is managed at the user level, rather than at the subclient level. Users are contained within a single subclient where you can assign discrete Exchange policies. With all users contained in a single subclient, you do not have to manage load balancing across multiple subclients.
- The Journal Mailbox is easy to configure.
- Metadata (From, To, Subject, receive time, size, and so on) is indexed, which allows you to retrieve data quickly. Content indexing indexes entire messages.
- Multistreaming means that archiving jobs, cleanup jobs, and restore jobs can run in parallel, which increases throughput. In addition, each job type can run in multiple streams.

APPLICABLE AGENTS

- Exchange Mailbox Agent

LICENSES

- Mailbox Archive Solution

SETUP REQUIREMENTS

- [Getting Started with the Exchange Mailbox Agent](#).

MORE INFORMATION

- [Configurations for the Exchange Mailbox Agent Journal Mailbox](#)

PREVIEWING AN ARCHIVED MESSAGE FROM IBM INOTES AND IBM NOTES TRAVELER

You can preview archived messages from IBM iNotes and IBM Notes Traveler. To preview archived messages from IBM iNotes and IBM Notes Traveler, when you define the rules for archive messages, select the **Add recall link to stub body** check box.

MORE INFORMATION

- [Previewing a Message from IBM iNotes and IBM Notes Traveler](#)

Virtualization

BLOCK-LEVEL BROWSE FOR VM FILE RECOVERY — EARLY RELEASE FEATURE

With block-level browse, users can browse and recover files without requiring metadata collection during backup. This feature uses a block-level driver to mount a pseudo disk for browse and restore operations. For Windows VMs, the pseudo disk is mounted on a MediaAgent. For Linux VMs, the pseudo disk is mounted on a File Recovery Enabler for Linux. The browse and restore is then performed from the pseudo disk. The pseudo disk provides file system information so that browse and restore operations can read directly from stored backup data, without relying on content indexing.

Block-level browse replaces 3DFS Live Browse as the underlying mechanism for Live Browse and Live File Recovery. Block-level browse is supported from streaming backups, auxiliary copies, and backup copies. It is not supported from IntelliSnap backups.

Service Pack 5 extends block-level browse support to all hypervisors that are supported by the Virtual Server Agent.

APPLICABLE AGENTS

- Virtual Server Agent (all supported hypervisors)

LICENSES

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

SETUP REQUIREMENTS

- For Windows guest VMs, the Windows MediaAgent that is used for browse and restore operations must have the Virtual Server Agent installed.
- For Linux guest VMs, [deploy a File Recovery Enabler for Linux](#). For hypervisors that support Linux proxies, the Virtual Server Agent role can also be enabled on the MediaAgent.

MORE INFORMATION

- [Metadata Collection and Live Browse Support](#)

CHANGED BLOCK TRACKING (CBT) SUPPORT FOR MICROSOFT AZURE — EARLY RELEASE FEATURE

The Virtual Server Agent for Microsoft Azure now supports Changed Block Tracking (CBT). When you enable CBT, the Azure API detects the changed blocks (changed page range information) on Azure virtual disks by comparing snapshots. CBT provides better backup performance than traditional cyclic redundancy check (CRC) backups.

APPLICABLE AGENTS

- Virtual Server Agent for Microsoft Azure

LICENSES

- Virtual Server

MORE INFORMATION

- [Changed Block Tracking \(Microsoft Azure\)](#)

DATA PROTECTION FOR OPENSTACK — EARLY RELEASE FEATURE

Use the Virtual Server Agent (VSA) to perform crash consistent backups of Windows and Linux instances and images that run in OpenStack, and to restore full instances and images.

The Commvault solution works with Red Hat and Mirantis distributions of OpenStack, including Kilo, Liberty, and Mitaka versions, with support for the Kilo feature set.

KEY FEATURES

- Only streaming backups are supported.
- You can perform full, incremental, differential, and synthetic full backups of instances and images.
- You can recover full instances and images.

APPLICABLE AGENTS

- Virtual Server Agent for OpenStack

LICENSES

- Virtual Server

SETUP REQUIREMENTS

- [System Requirements](#)

MORE INFORMATION

- [Instance Protection for Openstack](#)

DATA PROTECTION FOR ORACLE VM — EARLY RELEASE FEATURE

Use the Virtual Server Agent to perform crash consistent backups for virtual machines that run Oracle VM Manager and to restore full virtual machines or files and folders.

KEY FEATURES

- You can perform full, incremental, differential, or synthetic full backups of virtual machines.
- You can restore full virtual machines or guest files and folders.

APPLICABLE AGENTS

- Virtual Server Agent for Oracle VM

LICENSES

- Virtual Server

MORE INFORMATION

- [Data Protection for Oracle VM](#)

WINDOWS SERVER 2016 SUPPORT — EARLY RELEASE FEATURE

The Virtual Server Agent for Microsoft Hyper-V can run on Windows Server 2016.

KEY FEATURES

- Supports backups, restores, VM filters, and disk filters
- Uses native Microsoft changed block tracking
- Supports SMB shares and CSV storage
- By default, uses production checkpoints to perform application consistent backups
- For guest VMs running Windows 2008 R2 or earlier, uses standard checkpoints to perform crash consistent backups
- Supports backup of virtual machines that run in a nested cluster

APPLICABLE AGENTS

- Virtual Server Agent for Microsoft Hyper-V

LICENSES

- Virtual Server

MORE INFORMATION

- [Support for Windows Server 2016](#)

INTELLISNAP SUPPORT FOR NUTANIX ACROPOLIS — EARLY RELEASE FEATURE

You can use Commvault IntelliSnap to back up and recover virtual machines (VMs) that are hosted in a cluster for the Nutanix Acropolis hypervisor.

KEY FEATURES

- You can perform full, incremental, differential, or synthetic full backups of virtual machines.
- By default, backups are application consistent. If an application-consistent backup cannot be performed, a crash-consistent backup is performed instead.
- You can restore full virtual machines.
- Streaming and IntelliSnap backups are supported.

APPLICABLE AGENTS

- Virtual Server Agent for Nutanix Acropolis
- IntelliSnap for Nutanix Acropolis

LICENSES

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

SETUP REQUIREMENTS

- Commvault software is supported with Nutanix Acropolis versions 4.6 and 4.7.
- For Nutanix Controller VMs (CVMs), configure a Cluster Virtual IP.
- To perform application consistent backups for User VMs, ensure that the following requirements are met:
 - Nutanix Guest Tools software is installed on each VM.
 - The CVM Virtual IP (port 2074) is accessible from user VMs.
 - The cluster is updated to Nutanix Acropolis 4.6 or later.
- Install the Virtual Server Agent on one or more virtual machines in the Nutanix cluster. The following operating systems are supported for VSA proxies:
 - Windows Server 2008 R2
 - Windows Server 2012 R2
 - CentOS 6.6, 7.1
 - RHEL 6.6, 7.1
- Create a virtualization client for the Nutanix cluster.

MORE INFORMATION

- [Overview - IntelliSnap for Nutanix Acropolis](#)

LINUX FILE RECOVERY ENABLER SUPPORT — EARLY RELEASE FEATURE

You can enable browse and restore operations for UNIX file systems by converting a Linux MediaAgent to act as a File Recovery Enabler. A File Recovery Enabler can mount virtual machine backups for live browse operations and live recovery operations, without requiring that granular recovery metadata be collected during backups. For VMware and OpenStack, you can also use a template to deploy a new File Recovery Enabler that you can use to browse UNIX file systems.

In Service Pack 5, all Virtual Server Agent hypervisors support the File Recovery Enabler.

MORE INFORMATION

- [Converting a Linux MediaAgent to act as a File Recovery Enabler](#)

SUPPORT FOR OVIRT AND KVM — EARLY RELEASE FEATURE

The Virtual Server Agent (VSA) provides unified protection and recovery for virtual machines that are managed by oVirt and running on KVM. You can create a virtualization client, perform backups, restore full virtual machines or files and folders, and monitor virtual machine protection operations.

You can deploy a File Recovery Enabler to perform file recovery for UNIX VMs.

KEY FEATURES

- Data protection and recovery for virtual machines
- Complete protection of full virtual machines for disaster recovery
- Recovery of full VMs or files and folders
- Automatic discovery of virtual machines
- Block-level deduplication to identify and eliminate backups of data that is unchanged since the last backup
- Load distribution on each host
- Reporting to ensure that virtual machine data is easily traceable and retrievable

APPLICABLE AGENTS

- Virtual Server Agent for Red Hat Enterprise Virtualization

LICENSES

- Virtual Server

SETUP REQUIREMENTS

- Supported through [Virtual Machine Protection for Red Hat Enterprise Virtualization](#)

MORE INFORMATION

- [Virtual Machine Protection for oVirt and KVM](#)

Snapshot Management

CLONE A DB2 OR SAP HANA DATABASE

You can duplicate the source database by cloning the snapshots that were created during the backup. The cloning feature uses the storage array hardware capability.

You can use the cloning feature to do the following:

- Duplicate large databases in a short amount of time
- Create test environments

You can create a clone from an existing data and log volume full backup. When you create a clone, you must specify the reservation period. When the reservation period expires, the system automatically frees up the staging path and the clone database.

Schedule clones to run periodically so that the clones are refreshed regularly.

KEY FEATURES

- Retrieve data quickly without using resources on the production environment
- Alleviate the load on production servers

APPLICABLE AGENTS

- DB2
- SAP HANA

MORE INFORMATION

- [Creating a DB2 Clone Environment](#)
- [Creating a SAP HANA Clone Environment](#)

GLOBAL-ACTIVE DEVICES FOR HITACHI STORAGE ARRAYS — EARLY RELEASE FEATURE

The Global-Active Device (GAD) is a virtual volume that spans across physical storage systems that are separated by up to metro distances. The GAD provides non-disruptive, highly available data, and continuous I/O, even when one of the members of the GAD fails.

With Commvault software, you can configure virtual storage machine (VSM) array details in Array Management and enable GAD pair snapshot backup. After your configuration is finished, you can use IntelliSnap backups to create snapshots of GAD pairs on Hitachi Virtual Storage Platform G1000 (VSP G1000) storage systems. The GAD configurations are supported through existing IntelliSnap features such as Array Controllers and Remote Snap MediaAgent.

The following GAD configurations are supported by IntelliSnap:

- To protect data in MetroCluster environments by creating snaps at both ends of a GAD pair
- To protect data in a single server where data resides on a GAD pair along with a MPIO/HDLM Multi-path solution or a Hitachi Dynamic Link Manager (HDLM) solution
- To protect data in a clustered server where data resides on a GAD pair with and without a cross path configuration

APPLICABLE AGENTS

- VMware
- Windows File System

APPLICABLE ARRAYS

Currently, Hitachi VSP G1000 arrays provide support for the VSM arrays, and only for the IntelliSnap HDS CLI-based engine. The Hitachi engine that is based on HDvM does not support the HDS VSP G1000 – VSM array.

MORE INFORMATION

- [Global-Active Devices for HDS Storage Arrays](#)
- [Snapshot Management](#)

INTELLISNAP SUPPORT FOR THE EMC VPLEX STORAGE ARRAY — EARLY RELEASE FEATURE

The Commvault software provides the IntelliSnap technology to manage snapshot operations, without the need for custom scripting, for many applications and storage platforms.

In this service pack, support was added for the EMC VPLEX software storage array. EMC VPLEX supports storage volumes from the backend storage array.

Commvault supports creating snapshots of both local and distributed virtual volumes. Support is available for simple devices only:

- One storage volume with one extent with one device (local or distributed) with one virtual volume (local or distributed)

APPLICABLE AGENTS

- DB2
- DB2 MultiNode
- Exchange Database
- Microsoft Hyper-V
- Microsoft SQL Server
- MySQL
- Notes Database
- Oracle
- Oracle RAC
- PostgreSQL
- SAP for Oracle
- SAP HANA
- Sybase
- UNIX File System
- VMware
- Windows File System

APPLICABLE ARRAYS

- EMC VMAX (VPLEX Local)
- EMC VNX / CLARiiON (VPLEX Local)
- EMC XtremIO (VPLEX Local and VPLEX Metro)

MORE INFORMATION

- [Setting Up the EMC VPLEX Storage Array](#)
- [Snapshot Management](#)

PURE STORAGE REPLICATION

With the Pure Storage Replication feature, the primary snapshot that is created on the local array is replicated to the target array.

KEY FEATURES

- The primary snapshot copy and the replica copy are independent of each other and can have separate retention policies.

APPLICABLE AGENTS

- All agents supported by the Pure Storage array

MORE INFORMATION

- [Pure Storage Inline Replication](#)

SKIP CATALOGING FOR FILE SYSTEM INTELLISNAP — EARLY RELEASE FEATURE

You can now skip snapshot cataloging for Windows and UNIX file system IntelliSnap backups to complete the jobs faster. You can optionally run cataloging during off-peak times as a separate job.

MORE INFORMATION

- [Skip Cataloging for File System IntelliSnap](#)

Reports

AUTOMATIC UPDATES FOR REPORTS ON WEB CONSOLE

Get the latest version of reports automatically. When you turn on automatic updates, the newest versions of your reports are downloaded and installed on Web Console as soon as they are available. Any report that you download from Software Store is eligible for automatic updates.

KEY FEATURES

- Always have the latest version of your reports.
- Avoid multiple, manual updates.
- No need to log on to Software Store.

SETUP REQUIREMENTS

- Private Metrics Reporting Server
- Cloud Services Account

MORE INFORMATION

- [Configuring Automatic Updates For Reports on Web Console](#)

INDEXING REPORTS

The Index Backup Report, the Index State Report, and the Indexing and Search section of the Health Report help you monitor the status of the indexes in your CommCell environment. Using these reports, you can determine whether indexes are backed up in a timely manner and identify whether the indexing database contains errors.

KEY FEATURES

- Monitor the state of your index backups.
- Determine which indexes require corrective action.

SETUP REQUIREMENTS

- [Private Metrics Reporting or Cloud Metrics Reporting](#)

MORE INFORMATION

- [Index Backup Report](#)
- [Index State Report](#)
- [Health Report: Indexing and Search](#)

Solutions

COMMVAULT OBJECTSTORE FOR SALESFORCE — EARLY RELEASE FEATURE

You can use the Commvault ObjectStore to manage and store Salesforce files that are associated with the Salesforce records. You install the ObjectStore from the Salesforce App Exchange and then upload files to the ObjectStore from Salesforce.

Salesforce can directly access the uploaded files.

KEY FEATURES

- The ObjectStore provides a native Salesforce interface to manage documents.
- You can upload, preview, download, or delete the record-specific files in the ObjectStore from the Salesforce interface.
- You can share record-specific files on Salesforce Chatter.
- ObjectStore for Salesforce provides access to Commvault software features, including deduplication, multiple copies, and schedules.
- Other applications can access Salesforce data that is held in Commvault storage.

MORE INFORMATION

- [ObjectStore for Salesforce](#)

SUPPORT FOR MEDITECH BACKUPS AND RESTORES — EARLY RELEASE FEATURE

The Commvault IntelliSnap feature is integrated with MEDITECH SYSTEMS to create consistent snapshots and to back up the snapshots to magnetic tape for long-term retention.

The solution does not require data protection software in the MEDITECH system.

KEY FEATURES

- Agentless snapshots and backups
- Native integration with MEDITECH
- Schedules ensure that your data are protected automatically

APPLICABLE AGENTS

- Windows File System Agent

APPLICABLE ARRAYS

- HP 3PAR

MORE INFORMATION

- [MEDITECH Solution Overview](#)

Disaster Recovery

NEW INTERFACE FOR COMMSERVE DISASTER RECOVERY FAILOVER — EARLY RELEASE FEATURE

You can now set up CommServe disaster recovery failover using new simplified interfaces for configuring and running failover operations.

KEY FEATURES

- Create SQL sub clients and schedule log shipping operations to synchronize the CommServe databases on both the production and standby CommServe hosts.
- Configure failover with or without using the Dynamic Naming System (DNS). Optionally, you can also configure witness server roles for monitoring the CommServe hosts.
- View the online status of the physical CommServe hosts, and the current active CommServe host.
- Initiate test and critical failover operations.

MORE INFORMATION

- [Using a Standby CommServe Host for Disaster Recovery](#)

Admin Console

ADMIN CONSOLE SUPPORT FOR DATABASES AND FILE SYSTEMS — EARLY RELEASE FEATURE

The Admin Console is a web-based user interface that you can use to configure, back up, and restore data.

You can deploy the Admin Console as an all-in-one data protection and recovery solution, or as a new interface for an existing deployment of Commvault.

To get started, you can perform configuration of instances, storage, and subclients, and then you can initiate protection operations. You can use the Admin Console to initiate backups and restores, to provide summary information about the data protection, and to manage jobs, schedules, alerts, events, and users.

KEY FEATURES

- Quickly configure servers, storage, and subclients to back up.
- Back up subclients immediately or on a schedule.
- Restore full databases, log files, or tablespaces with granular backup and recovery options.
- Restore file system.
- Restore the system state for Windows.
- Monitor jobs, events, and alerts.
- Functions as a self-service portal for database administrators so that they can restore databases or create database clones.

APPLICABLE AGENTS

- Oracle
- SAP HANA
- UNIX File System
- Windows File System

LICENSES

- Oracle
- SAP HANA

SETUP REQUIREMENTS

You must install the following packages for a new installation:

- A CommCell Console
- A MediaAgent
- The Web Console
- The Web Server

MORE INFORMATION

- [Database Agents](#)
- [File System Agents](#)

ADMIN CONSOLE SUPPORT FOR VIRTUALIZATION — EARLY RELEASE FEATURE

The Admin Console is a web-based user interface for administration tasks, including streamlined data protection for virtual machines in VMware, Microsoft Hyper-V, and Nutanix Acropolis.

Administrators can use the Admin Console to quickly configure servers, storage, and content to be backed up, to run backups, and to restore files or full virtual machines.

You can deploy the Admin Console as an all-in-one data protection and recovery solution, or as a new interface for an existing Commvault deployment.

Service Pack 5 provides the following enhancements for Virtualization using the Admin Console:

- Support for the Nutanix Acropolis hypervisor
- (VMware only) Support for vCloud configuration, backups, and restores
- VM conversion from VMware to Hyper-V
- Selection of a File Recovery Enabler for Linux

KEY FEATURES

The Admin Console includes the following features:

- Protect virtual machines in a VMware vCenter, ESX server, Hyper-V server, or Acropolis cluster.
- Quickly configure servers, storage, and collections of virtual machines to back up.
- Back up collections of virtual machines immediately or by a schedule.
- Restore full virtual machines, disks, and guest files with granular backup and recovery options.
- Monitor jobs, events, and alerts.

For Service Pack 4, the following enhancements have been made:

- Live Browse support
- Option to enable or disable Changed Block Tracking
- Multi-VM restores for Hyper-V
- Agentless restores for Hyper-V
- Support for multiple tenants
- Enhanced proxy configuration
- Rules for automatic discovery and filtering of virtual machines
- Support for VMware transport modes
- Options for application consistent or crash consistent backups
- Additional controls and options for restores

APPLICABLE AGENTS

- Virtual Server Agent for VMware
- Virtual Server Agent for Microsoft Hyper-V
- Virtual Server Agent for Nutanix Acropolis

LICENSES

- CommCell
- Virtual Server

MORE INFORMATION

- [Virtualization](#)

Deprecated Products & 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.

Deprecated Product or Feature	Replacement
VMware Backups Using vcbMounter	Virtual Server Agent for VMware
FAST Content Indexing Engine	Upgrade - Search Engine
Exchange Mailbox Archiver	OnePass for Exchange Mailbox
BlueArc File Archiver Agent	OnePass for BlueArc and Isilon
Celerra File Archiver Agent	OnePass for Celerra
NetApp File Archiver Agent	OnePass for NetApp
Generic File Archiver for NAS	OnePass for BlueArc and Isilon
File Archiver for UNIX Agent	OnePass for UNIX File System
Windows File Archiver Agent	OnePass for Windows File System
Image Level Agent	Block-Level Backup
GroupWise Agent	OES File System Agent
Novell Directory Services Agent	N/A
Shared Network Index Cache and Index Cache Server	Indexing: Overview Secondary Index Server
SharePoint Archiver Agent	SharePoint Server Agent SharePoint Storage Manager

Deprecated Product or Feature	Replacement
<u>Pass-Phrase</u>	<u>Privacy</u>
<u>Third-Party Integration Feature</u>	<u>External Authentication with SAML Integration</u>
<u>1-Touch Server for Windows</u>	<u>1-Touch Recovery for Windows</u>

Additional Information

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.

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 6 – December 15, 2016
- Service Pack 7 – March 15, 2017
- Service Pack 8 – June 15, 2017
- Service Pack 9 – September 15, 2017



The development release and timing of future product releases remains at Commvault's sole discretion. Commvault is providing the following information in accordance with Commvault's standard product communication policies. Any resulting features, functionality, and enhancements or timing of release of such features, functionality, and enhancements are at the sole discretion of Commvault and may be modified without notice. All product roadmap or other similar information does not represent a commitment to deliver any material, code, or functionality, and should not be relied upon in making a purchasing decision.

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