



▶ Newsletter for Version 11 Service Pack 2 New Features

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CommCell Management

SIMPLIFIED FIREWALL SETUP WITH PREDEFINED NETWORK TOPOLOGIES

Predefined firewall topologies are now provided to simplify the firewall configuration. You can configure firewall parameters for client groups by creating an instance of the required topology and assigning the client groups to it.

KEY FEATURES

- Simplifies administration by establishing connectivity between groups of clients, as groups.
- Enables you to create logical proxies consisting of multiple clients, known as proxy groups, to simplify defining the relationship between clients and proxies.
- Provides a new Firewall Topologies node in the CommCell Browser that makes it easier to see the relationships between client groups that are separated by a firewall.

MORE INFORMATION

- [Firewall: Direct Connections: Predefined Firewall Topologies](#)
- [Firewall: Perimeter Network Using Commvault Proxy: Predefined Firewall Topology](#)

NEW LICENSE TYPES

New licenses are now available for the Client Access License (CAL) mechanism.

The new CAL licenses are the following:

- Application Client Virtual
- End Point User
- End Point E-Discovery User
- End Point Sharing User

MORE INFORMATION

- [Client Access License - License Types](#)

Simplified firewall configuration using client groups.

CONTENTSTORE VS. OBJECTSTORE

ContentStore refers to the virtual repository of data managed by the Commvault software, regardless of where that data physically resides. Any data that Commvault software has discovered, whether by means of data protection or by scanning live data in the enterprise, is considered to be in the ContentStore.

ObjectStore is a cloud storage solution that allows third-party applications to store, manage, and retrieve data as objects by using REST APIs.

MORE INFORMATION

- [ContentStore](#)
- [ObjectStore](#)

Data Management

INCREMENTAL DEDUPLICATED DATA VERIFICATION – EARLY RELEASE FEATURE

You can now run or schedule an incremental deduplicated data verification job for continuous recovery verification, fault detection, and self-healing, so that you can reliably recover or access your data at any time.

MORE INFORMATION

- [Verifying the Deduplicated Data](#)

Backup Agents

BLOCK-LEVEL BACKUP SUPPORT FOR FILE SYSTEM DATA

Block-level backups integrate snapshot technology with a block-storage mechanism to speed up backups. Block-level backups read data directly from the disk rather than from the file system.

In environments that typically contain a large number of small files, block-level backups offer better performance over file system-based backups.

Block level backups offer better performance over file system based backups in environments that typically contain a large number of small files.

KEY FEATURES

- Faster backups because only the physical disk blocks that contain the data are backed up.
- Block-level incremental backups run faster and back up less data when the file system has very large files.
- Better performance over disk image-based backups when performed on a complete volume by reducing the scan time, particularly if the file system has a large number of small files.
- File system scan is optional. You can enable file system scan during backups, if you want to view a list of backed up items or to browse or search for a particular file.

APPLICABLE AGENTS

- Windows File System
- Linux File System
- AIX File System

MORE INFORMATION

- [Block-Level Backups](#)

Virtualization

NEW ADMIN CONSOLE WITH SUPPORT FOR VIRTUALIZATION

The new Admin Console provides a simple web-based user interface for administration tasks. The initial release of the Admin Console provides streamlined data protection for virtual machines in VMware and Microsoft Hyper-V.

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

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

Admin Console simplifies administrative tasks such as configuration, running jobs, and monitoring operations.

KEY FEATURES

- Protect virtual machines in a VMware vCenter, ESX server, or Hyper-V server.
- Quickly configure servers, storage, and collections of virtual machines to back up.
- Back up collections of virtual machines immediately or by using a defined schedule.

- Restore full virtual machines, disks, and guest files with granular backup and recovery options.
- Monitor jobs, events, and alerts.

APPLICABLE AGENTS

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

LICENSES

- Virtual Server

SETUP REQUIREMENTS

- [Getting Started](#)

MORE INFORMATION

- [Introduction to the Admin Console for Virtual Server Data Protection](#)

WEB CONSOLE SUPPORT FOR MICROSOFT HYPER-V

End users can use the Web Console to manage their virtual machines running in a Microsoft Hyper-V environment.

KEY FEATURES

- Create virtual machines based on VM Provisioning policies.
- Clone virtual machines.
- Restore full VMs or virtual machine files from backup.
- Start, restart, power off, or suspend virtual machines.
- Create and manage virtual machine snapshots.
- Edit resource settings (disk space, memory, CPUs, and NICs) in accordance with VM Provisioning policy.
- Refresh virtual machine information (such as the IP address) from the host.
- Access a virtual machine using Remote Desktop.
- Share a virtual machine with another user.
- Renew virtual machine subscriptions.
- Delete a virtual machine.

End-users can manage virtual machines in a Hyper-V environment using the Web Console.

APPLICABLE AGENTS

- Virtual Server Agent for Microsoft Hyper-V

LICENSES

- Virtual Server

SETUP REQUIREMENTS

- [Create a virtual machine template](#) to enable end users to create virtual machines.
- [Configure ownership and permissions](#) for virtual machines.

MORE INFORMATION

- [End User Operations for VM Lifecycle Management](#)

SUPPORT FOR VM DISCOVERY AND FILTERING USING VMWARE TAGS

You can define rules to identify virtual machines based on vSphere tags. Tags can be applied to any VMware entity, such as a datacenter, host, datastore, folder, or individual VM. A tag rule for subclient content or filters uses tags to select all virtual machines under the tagged entity.

KEY FEATURES

The following tags are supported:

- Cluster
- Datacenter
- Datastore
- Datastore Cluster
- Folder
- Host
- Resource Pool
- vApp
- Virtual Machine

The following tags are not supported:

- Distributed Port Group
- Distributed Switch
- Library
- Library Item
- Network

APPLICABLE AGENTS

- Virtual Server Agent for VMware

LICENSES

- Virtual Server

SETUP REQUIREMENTS

- This feature is only available for vSphere 5.5 and later
- Install PowerCLI 6.0 or later on the VSA proxy (the latest version that is compatible with your vSphere version).

Identify VMware virtual machines based on vSphere tags, which can be applied to any VMware entity.

MORE INFORMATION

- [Adding Subclient Content](#)
- [Defining Filters for Content](#)

ENHANCEMENTS FOR LIVE SYNC

The Live Sync feature has been enhanced to include failover orchestration, IP address configuration for destination virtual machines, new execution options, enhanced reporting, and improved error handling.

KEY FEATURES

- Run automated workflows to test boot virtual machines, perform a planned failover, or perform an unplanned failover.
- Choose to run multiple jobs for Live Sync schedules, with each job using a separate stream for a subset of virtual machines.
- For source virtual machines running Windows that use static IP addresses, you can configure destination network IP addresses using DHCP or static IP addresses.
- Run an immediate Live Sync operation for virtual machines that have unapplied changes from recent backups.
- If the result of a Live Sync job cannot be validated, the destination virtual machine automatically reverts to the last valid state for the virtual machine.
- Live Sync jobs are automatically failed after three attempts, enabling a new job to start after issues are resolved.
- After three unsuccessful retries, Live Sync is disabled for virtual machines that cannot be successfully synced.
- Run a Job Summary Report with the Live Sync option to generate a report for replication jobs.

Many new capabilities in Live Sync, including vCloud restores, failover orchestration, enhanced reporting, and much more.

APPLICABLE AGENTS

- Virtual Server Agent for VMware

LICENSES

- Virtual Server

MORE INFORMATION

- [Live Sync Replication](#)

CHANGED BLOCK TRACKING (CBT) SUPPORT FOR MICROSOFT HYPER-V – EARLY RELEASE FEATURE

The Virtual Server Agent for Microsoft Hyper-V now supports Changed Block Tracking (CBT) to identify changed blocks on VHDX disks for

More efficient incremental backups for Hyper-V using CBT.

Hyper-V virtual machines running on Windows 2012 R2 editions. When CBT is enabled, incremental backups read the tracked changes and back up only the changed data blocks, providing improved backup performance.

APPLICABLE AGENTS

- Microsoft Hyper-V
- Microsoft Hyper-V IntelliSnap

SETUP REQUIREMENTS:

- The Hyper-V host must be running on Windows Server 2012 R2 (Hyper-V Core, Standard, or Datacenter) edition.
- The Virtual Server Agent must be installed on all nodes in a Hyper-V cluster.

MORE INFORMATION

- [Changed Block Tracking \(Microsoft Hyper-V\)](#)

Snapshot Management

NEW STORAGE ARRAY SUPPORT FOR INTELLISNAP

IntelliSnap technology normalizes and standardizes snapshot management operations regardless of the applications or storage platform. Snapshots are automated across a wide selection of storage arrays without the need for custom scripting.

Support has been added for the following arrays:

- NEC
- Nutanix

APPLICABLE AGENTS

NEC

- Windows File System
- Microsoft Hyper-V

Nutanix

- Microsoft Hyper-V
- VMware

MORE INFORMATION

- [Getting Started for NEC Array](#)
- [Getting Started for Nutanix](#)
- [IntelliSnap Backup - Support](#)

Endpoint Solutions

ENHANCEMENTS TO FILE AND FOLDER SHARING IN WEB CONSOLE – EARLY RELEASE FEATURE

File and folder sharing from the Web Console is enhanced to include the following new features:

- Password protection for a public share link. Users must enter the password to view the shared link.
- Expiry date for a shared file or folder. You can define a specific number of days or set the expiry to infinite.
- Ability to reshare a file or folder. If enabled, a share user can reshare the file or folder to other users.
- Ability to request access to a privately shared file or folder. The share owner can approve or deny the request. When approved, a share invitation email is sent to the user who requested access.

Shared files can be password protected or have the sharing expire after a specified time period.

MORE INFORMATION

- [Sharing Files or Folders](#)
- [Creating a Public Share Link](#)
- [Requesting Access to a Shared File or Folder](#)

EDGE DRIVE ENHANCEMENTS – EARLY RELEASE FEATURE

Edge Drive has been enhanced with the following new features:

- Ability to set Edge Drive as a Mapped Network Drive

You can now set up Edge Drive as a mapped network drive on your Windows laptop. By using the network drive, you can seamlessly view and modify your Edge Drive data without retaining a copy of the files on your laptop.

- Support for online editing in Edge Drive

Edge Drive can now be integrated with Office Online, enabling end users to edit and save Microsoft Office files stored on their Edge Drive directly from the Web Console without opening the Office application.

Online editing is supported for Microsoft Word documents, Excel sheets, and PowerPoint presentations that are created in the more recent file format (.docx, .xlsx, .pptx). Office files with earlier file formats are converted to the new format before editing.

Configure your Edge Drive like any other mapped network drive.

Edit Microsoft Office files on the Edge drive using the Web Console.

SETUP REQUIREMENTS

To enable online editing, review the following requirements:

- Install and configure Office Web Apps Server on the Web Server computer.
- End-users must have permissions to edit files on the Edge Drive.

MORE INFORMATION

- [Adding Edge Drive as a Network Drive to Your Laptop](#)
- [Configuring Office Online in Edge Drive](#)
- [Editing Documents Online in Edge Drive](#)

Reports

PROFILE DASHBOARD – EARLY RELEASE FEATURE

Profile Dashboard helps customers and Technical Account Managers (TAMs) communicate with each other to monitor the customer's CommCell environment.

KEY FEATURES:

- View Service Level Agreement (SLA) statistics for all CommCells in your environment over the last year
- Create tasks for Commvault employees to resolve problems
- Share documents with Commvault employees
- Report your level of satisfaction with Commvault

SETUP REQUIREMENTS:

- Obtain a user account from the Cloud Services Web Site
- Enable data collection for Cloud Metrics Reporting on each CommServe computer

MORE INFORMATION:

- [Profile Dashboard](#)

Profile Dashboard on the Cloud site allows direct interaction between Commvault employees and customers.

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
FAST Content Indexing Engine	Upgrade - Search Engine
Exchange Mailbox Archiver	OnePass for Exchange Mailbox
BlueArc File Archiver Agent	OnePass for BlueArc
Celerra File Archiver Agent	OnePass for Celerra
NetApp File Archiver Agent	OnePass Agent for NetApp
Generic File Archiver for NAS	OnePass for BlueArc and Isilon
File Archiver for UNIX Agent	OnePass for UNIX
Windows File Archiver Agent	OnePass Agent for Windows
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
Pass-Phrase	Privacy
Third-Party Integration Feature	External Authentication with SAML Integration
1-Touch Server for Windows	1-Touch Recovery for Windows

Additional Information

EARLY RELEASE FEATURES

Certain features in this newsletter are marked Early Release. This indicates that a feature is available for use in a controlled environment that meets all the necessary requirements validated by Commvault. If you are interested in using an Early Release feature, deploy it only in a controlled environment. 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.

You can also provide feedback and enhancement suggestions for early release features by contacting us at EarlyRelease@commvault.com.

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 (e.g., 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 3 – March 15, 2016
- Service Pack 4 – June 15, 2016
- Service Pack 5 – September 15, 2016

SP3 – MARCH 2016

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

SP4 – JUNE 2016

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

SP5 – SEPTEMBER 2016

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

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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