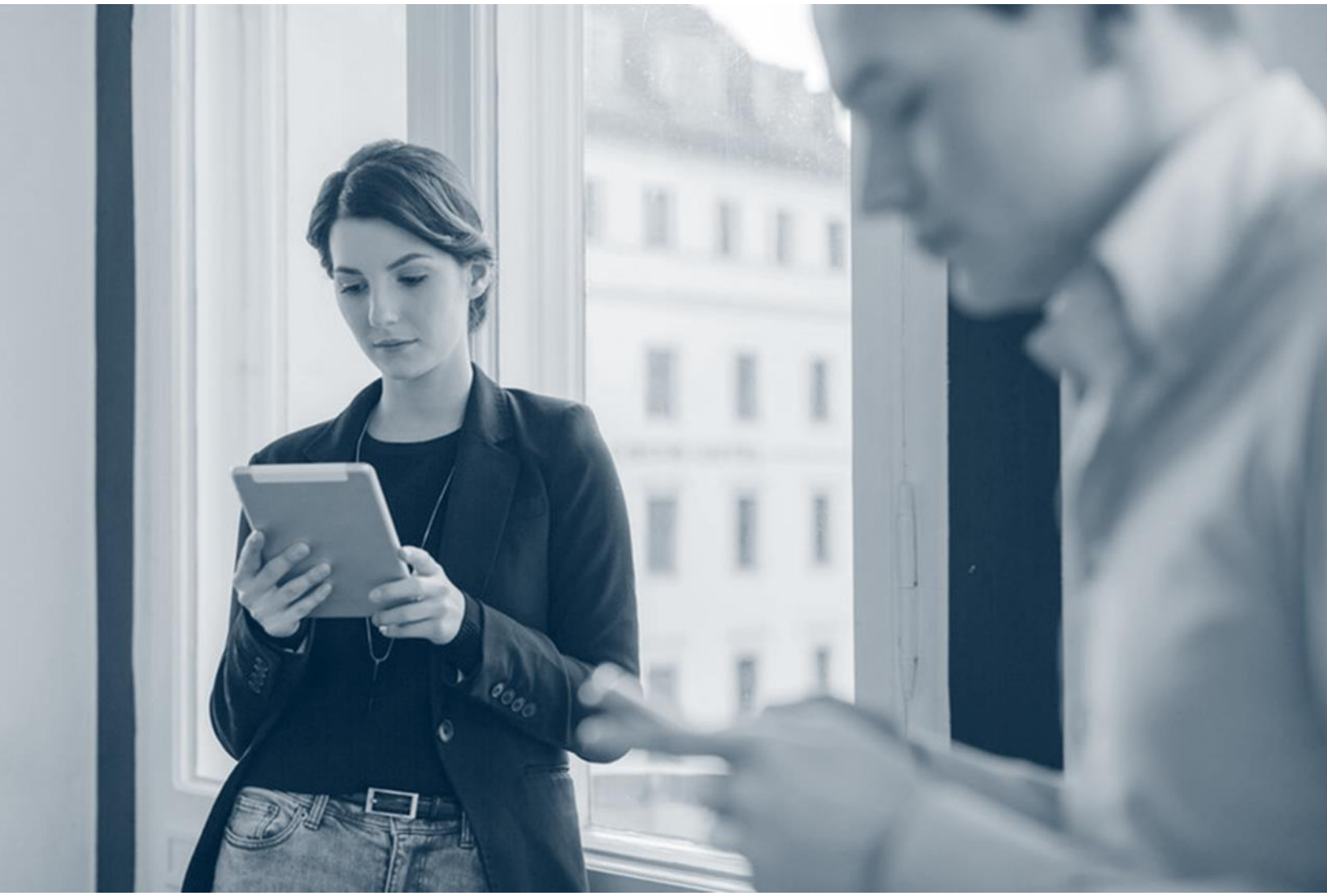


Commvault Platform Release 2023 Newsletter

December 15, 2022



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Complete Backup And Recovery

Protect Office 365 Exchange Online Mailboxes with Azure AD Security Defaults Enabled

You can discover, back up, and restore Office 365 Exchange Online mailboxes (but not public folders) with Azure AD security defaults enabled.

More Information

- [Complete the Custom Configuration Option in the Office 365 Guided Setup for Exchange Online](#)
- [Give the Azure Service Account Access to the Exchange Online Mailboxes](#)
- [Adding All Public Folders to the Exchange Online App](#)

Use the CommCell Console To Specify Whether the Primary or Standby Oracle Data Guard Host Runs Data or Log Backups

You can create an Oracle Data Guard client from the CommCell Console by adding both the primary and standby instances to the configuration. This feature allows you to run database and archive log backups based on the instance role and to get a unified view of the database even after failover.

Applicable Agents

- Oracle
- Oracle RAC

More Information

- [Specifying the Servers that Run Backups in an Oracle Data Guard Configuration](#)

Updated Laptops User Interface

The **Protect > Laptops** page in the Command Center is now built using the React JavaScript library. Changes in the user interface include:

- The laptop properties page now has an **Overview** tab and a **Configuration** tab.
- If you own a laptop and are also associated with other laptops, you can use a list in the upper-right corner of the page to switch between the **All** view and **Owned** view.
All laptop operations in the **My data** section of the Web Console are now available in the **Owned** view on the **Protect > Laptops** page in the Command Center.
- A new Recovery points section appears on the Overview tab of the laptop properties page.

More Information

- [Laptop](#)
- [Computers Overview](#)
- [Edge Endpoint Solutions Overview](#)

Restore Tables from an Oracle or Oracle RAC Container Database

You can restore tables from an Oracle or Oracle RAC container database (CDB). You can restore tables back to the source database (in place) or to another database (out of place).

Applicable Agents

- Oracle
- Oracle RAC

More Information

- Command Center:
 - [Restoring an Oracle Table in a Container Database](#)
 - [Restoring an Oracle RAC Table in a Container Database](#)
- CommCell Console:
 - [Restoring an Oracle Table in a Container Database](#)
 - [Restoring an Oracle RAC Table in a Container Database](#)

Handle SAP Replication Takeovers for IntelliSnap Operations

With a change in cluster role after takeover in an SAP replication infrastructure, you can perform SAP HANA IntelliSnap operations without any manual intervention.

More Information

- [Configuring SAP HANA System Replication](#)

Offline Replication of Snapshots for Dell EMC PowerStore

The offline replication of snapshots for the Dell EMC PowerStore storage array creates a replica copy of the primary snapshot of the local array on a remote array. When you perform a snapshot backup operation, the software creates a snapshot on the local array. To replicate the snapshot to the remote array, perform an auxiliary copy operation.

More Information

- [Offline Replication of Snapshots for the Dell EMC PowerStore Storage Array](#)

Access Tokens for Commvault REST APIs

You can authenticate and execute Commvault REST API requests by inserting an access token into the existing Authtoken header or into a Bearer Token header.

You can easily generate an access token for yourself and manage access tokens for users in the Command Center. In addition, you can specify an expiration date and the API scope that the token is valid for.

After creating a token, you can revoke the token at any time, modify the expiration date, and change the scope.

More Information

- [Access Tokens for REST APIs](#)

Scan Backup Content for Malware to Perform Clean Recoveries

You can create a threat analysis plan to proactively scan backups for malware. With the threat analysis plan, you can identify and remove unwanted malware from your backup data, thus minimizing the impact of reinfection and impact on your recovery objectives.

Key Features

The Unusual file activity report for threat analysis summarizes the list of files containing anomalies.

Applicable Agents

File System Agent

More Information

- [Threat Analysis](#)

Complete: Enable Service Providers

Authorization by Tenant Administrators for Business Logic Workflows

With multi-person authorization, you can require authorization from another user when someone tries to delete or restore backup data. Multi-person authorization can help protect against insider threats and bad actors using compromised credentials to perform data exfiltration or destructive tasks with the Commvault management interface.

When an MSP administrator installs a business logic workflow on their CommServe server, the authorization email goes to the default master user and the users listed on the GetAndProcessAuthorization workflow. As an alternative, an MSP administrator can select tenant administrators who belong to different companies to authorize the action initiated by their respective company users.

More Information

- [Multi-Person Authorization](#)
- [Business Logic Workflows to Minimize Insider Threat](#)

Monitor License Usage for CommCell Groups

You can view license usage for an entire CommCell group using the License Summary Worldwide report and the Subclient Peak Usage report. You can view these reports either on the Cloud Services Portal or on the Web Console for the Private Metrics Reporting Server. The reports include information about the licenses associated with each CommCell environment in the group.

More Information

- [Viewing the License Summary Worldwide Report for a CommCell Group on the Cloud Services Portal](#)
- [Viewing the License Summary Worldwide Report for a CommCell Group on the Private Metrics Reporting Server](#)
- [Viewing the Subclient Peak Usage Report for a CommCell Group on the Cloud Services Portal](#)
- [Viewing the Subclient Peak Usage Report for a CommCell Group on the Private Metrics Reporting Server](#)

Complete: Manage New Workloads

Incremental Backup for Splunk

You can use the Commvault software to incrementally back up Splunk in enterprise clustered environments.

More Information

- [Splunk](#)

Back Up and Restore Azure DevOps Services

In addition to Azure DevOps repositories, you can back up and restore Pipelines, Boards, Test Plans, and Artifacts.

More Information

- [Azure DevOps](#)

Complete: Protect Virtual Environments

Updating the OS for Linux access node (File Recovery Enabler for Linux or FREL)

You can update the OS for Linux Access Node and MediaAgent (FREL) 2022E for a single client or do bulk updates of many nodes. This can be done using the Command Center or the CommCell Console. These options are only available for Linux Access Nodes that are deployed using the Commvault Platform Release 2023 FREL OVA version.

Applicable Agents

Virtual Server Agent (VSA) for VMware

More Information

- [Updating the OS for Linux FREL Clients](#)

vRealize Automation Plug-In (VRA) 8.5

Commvault's vRealize Automation (VRA) Data Protection Plug-In now supports version 8.5. Using this plug-in, users can perform backups, change subclients, create new subclients, change plans, perform full VM in-place restores, file-level restores, and perform send logs operations too.

More Information

- [VMware vRealize Automation Version 8.5](#)

Perform Multi-streamed Restores for VSA Guest Files/Folders Across All Hypervisors

Virtual Server guest files/folders restores now use multiple streams (up to 10 streams) for all hypervisor types that have Indexing V2 clients, providing greater restore performance.

More Information

- [Enhancements in Restores for Guest Files and Folders](#)
- [Multi-Stream Restore Operations](#)

Convert an Oracle VM Virtual Machine to a Red Hat Virtualization Virtual Machine

When restoring an Oracle VM virtual machine from backup, you can restore it as a Red Hat Virtualization virtual machine.

More Information

- [Converting to Red Hat Virtualization](#)

Convert and Replicate VMs with Unified Extensible Firmware Interface (UEFI) Boot to AWS

You can convert and replicate virtual machines that use Unified Extensible Firmware Interface (UEFI) boot, without the need to maintain a UEFI-enabled Amazon Machine Image (AMI) in the destination AWS account. UEFI is a modern firmware that supports large storage volumes and secures boot functionality.

Key Features

- Migrate VMs with UEFI boot to Amazon EC2 Intel and AMD-based instances on the AWS Nitro system
- Replicate VMs with UEFI boot to Amazon EC2 instances for disaster recovery
- Migrate and replicate VMware, Hyper-V, and Azure VMs with UEFI boot to Amazon EC2 instances

Applicable Agents

Virtual Server Agent for Amazon Web Services (AWS)

Setup Requirements

Before converting or replicating a UEFI-enabled VM, you must update the AWS Identity and Access Management (IAM) policy that is used to create the Amazon EC2 instance in the destination account. See the [Amazon Web Services Permissions](#) page for the latest amazon_restricted_role_permissions.json file.

More Information

- [Replication of UEFI VM to Amazon EC2](#)
- [Conversion of UEFI Boot VMs to Amazon EC2](#)
- [Boot Modes](#) (Amazon Web Services EC2 documentation)

ACL-Based Browse and Restores on Virtual Server Agent Clients Using Command Line (cvc) Interface

End-users can perform ACL (access control list) based file and folder level browse and restore operations from the backed-up Virtual Server Agent (VSA) clients, using the end-user command line (cvc) interface.

Applicable Agents

Virtual Server Agent (VSA)

More Information

- [Commvault End-User Command Line \(cvc\) Interface Operations for Virtual Server Agent](#)

VMware Cloud Director 10.3 Backup, Restore, and Plugin Support

You can use VMware Cloud Director Version 10.3 for backups, restores, and plugin configuration. VMware Cloud Director 10.3 is supported in 11.24 and more recent releases.

Applicable Agents

Virtual Server Agent for VMware

More Information

- [VMware Cloud Director](#)
- [Commvault Plug-In for VMware Cloud Director](#)

Preserve Proximity Placement Groups During Full Azure VM Restores

Proximity placement groups that are assigned to backed-up VMs are preserved during full Azure VM restores. A proximity placement group is a group of virtualization resources that are physically located near each other and can be used to reduce latency.

More Information

- [Backups for Azure](#)
- [Microsoft Azure Resource Provider Usage](#)

Disaster Recovery

Perform Warm Sync for Azure Stack and GCP

For noncritical VMs, the disaster recovery VM is created only during failover, so storage and resources are not required to create and continuously update the disaster recovery VM.

More Information

- [Warm Site Recovery for Replication Groups](#)

Journey To The Cloud

Back Up and Restore Azure Table Storage

You can back up and restore Azure Table storage data from storage accounts across multiple Azure subscriptions and regions.

Applicable Agents

Microsoft Azure

More Information

- [Azure Table Storage](#)

Back Up and Restore Projects and Project Web App

You can back up and restore a project or a Project Web App (PWA) using SharePoint Online.

More Information

- [SharePoint Online](#) in Command Center documentation
- [SharePoint Online](#) in Metallic documentation

Comparing Objects on Active Directory and Azure Active Directory

When you perform restores, you can compare the data in two backups and you can compare any backed up data to the live data in the Active Directory and Azure Active Directory environment.

More Information

- [Comparing Objects on Active Directory](#)
- [Comparing Objects on Azure Active Directory](#)

TLS Versions 1.1 and 1.2 for MySQL Cloud Databases

Backing up SSL-encrypted MySQL instances on cloud platforms Alibaba Cloud, Amazon Web Services, Google Cloud, and Microsoft Azure is supported with TLS (Transport Layer Security) versions 1.1 and 1.2.

More Information

- [System Requirements for Alibaba Cloud ApsaraDB RDS for MySQL](#)
- [System Requirements for Amazon RDS for MySQL](#)
- [System Requirements for Google Cloud SQL for MySQL](#)
- [System Requirements for Microsoft Azure Database for MySQL](#)

Create GCP Snapshots in a Specific, Geographical Region

By default, all GCP snapshots are multi-regional; this provides redundant availability across all regions in a geography.

To enable the creation of a snapshot in a specific region within a geography, edit the VM group that is associated with the snapshot. You can enable this setting for the following operations:

- IntelliSnap backups
- Full-VM restores
- Streaming backups
- GCP to GCP replications

More Information

- [Editing VM Group Settings for Google Cloud Platform](#)

Set Tags on Restored VMs for AWS, Azure, and VMware

When you perform an out-of-place restore for Amazon Web Services (AWS), Microsoft Azure, and VMware virtual machines, you can specify tags for the restored VMs.

If the source VMs contained tags, you can modify or remove those tags. And you can add new tags.

For in-place restores to the same hypervisor, existing disk tags and VM tags are preserved.

Applicable Agents

Virtual Server Agent

More Information

- [Restoring Amazon Web Services Full Instances Out of Place](#)
- [Restoring a Full Azure Virtual Machine Out of Place](#)
- [Restoring a Full Virtual Machine Out of Place for VMware](#)

TLS Versions 1.0, 1.1, and 1.2 for PostgreSQL Cloud Databases

Backing up SSL-encrypted PostgreSQL instances on cloud platforms Alibaba Cloud, Amazon Web Services, Google Cloud, and Microsoft Azure is supported with TLS (Transport Layer Security) versions 1.0, 1.1, and 1.2.

More Information

- [System Requirements for Alibaba Cloud ApsaraDB RDS for PostgreSQL](#)
- [System Requirements for Amazon RDS for PostgreSQL](#)
- [System Requirements for Google Cloud SQL for PostgreSQL](#)
- [System Requirements for Microsoft Azure Database for PostgreSQL](#)

Exchange and OneDrive Subscription Usage Calculations Aligned with Microsoft Licenses

Commvault aligned its subscription usage for Exchange and OneDrive with Microsoft licensing:

- For Exchange, mailboxes that have an Office 365 Exchange license are counted as part of subscription usage. All mailbox types including primary, archive, shared, group, public folder, and team mailboxes are protected.
- For OneDrive, users that have OneDrive Quota (that is, OneDrive storage is allocated) and an Office 365 OneDrive license are counted as part of subscription usage.

More Information

- [Subscription Usage for Office 365](#)

Combined Storage Class Support for Oracle Cloud Infrastructure Object Storage

The Infrequent Access tier and the Combined Storage tier are supported for Oracle Cloud Infrastructure Object Storage. Infrequent Access is the default storage type because it provides an optimized cost/performance ratio for data management patterns. Combined Storage drives a simplified approach for storing frequently accessed data, such as job indexing into a warm tier, while actual backup data is stored in a cold tier, providing further cost savings.

More Information

- [Combined Storage Tier](#)
- [Supported Cloud Storage Products](#)
- Command Center: [Cloud Provider Information](#)
- CommCell Console: [Oracle Cloud Infrastructure Object Storage](#)

Manage Oracle Cloud Infrastructure (OCI) Credentials in Credential Manager

To centrally manage and share your OCI hypervisor credentials, add your OCI hypervisor credentials to Credential Manager.

With Credential Manager, you can create a credential entity to store, share, and update account credentials for shared resources in your environment. You can create credential entities for Windows accounts, Linux accounts, storage array accounts, and cloud accounts.

More Information

- [Credential Manager](#)
- [Adding OCI Hypervisor Credentials to Credential Manager](#)

Amazon Web Services (AWS) VPC Protection

Commvault software protects Amazon Virtual Private Cloud (VPC) resources as part of an Amazon EC2 snapshot-based and streaming backup. Amazon VPC allows AWS customers to launch AWS resources in a virtual network which includes subnets, network interfaces, routing, gateways, and service endpoints. Commvault protects and restores Amazon VPC resources that are used by protected Amazon EC2 instances.

Key Features

- Protect Amazon VPC configuration including subnets, security groups, network interfaces, and tags related to protected Amazon EC2 instances.
- Recover Amazon EC2 instances in-place, complete with Amazon VPC configuration that has been deleted or modified since backup.
- Recover Amazon VPC configuration in JSON format for forensic inspection and analysis as part of incident resolution.

Applicable Agents

Virtual Server Agent (VSA) for Amazon Web Services (AWS)

Setup Requirements

Update the AWS Identity and Access Management (IAM) Policy used to protect your Amazon EC2 instances with the following updated [JSON file \(amazon_restricted_role_permissions.json\)](#) before performing an Amazon EC2 backup and restore including Amazon VPC resources.

More Information

- [Protecting Amazon VPC Resources with Commvault](#)
- [What is Amazon VPC?](#)

Modern Infrastructures

Support for Apple Silicon

The Commvault software supports macOS laptops and file servers that run on Apple silicon chips.

More Information

- [System Requirements for Macintosh](#)
- [System Requirements for Laptop](#)

IntelliSnap Support for Amazon FSx for NetApp ONTAP

Amazon FSx for NetApp ONTAP is a fully-managed shared storage built on the NetApp ONTAP file system. You can now use the NetApp IntelliSnap snapshot engine from Commvault to take snapshots and protect your data on Amazon FSx for NetApp file storage. This is similar to what you do to protect data on an on-prem NetApp array.

Applicable Agents

- For a list of supported agents, see [Supported Agents for Amazon FSx for NetApp ONTAP](#)

More Information

- [Amazon FSx for NetApp ONTAP](#)

Understand And Activate Data

Compliance Search for SharePoint Online

You can content index files from the SharePoint Online sites, and then search the content and metadata for eDiscovery requests.

Applicable Agents

SharePoint Online

More Information

- [Search and Content Indexing for SharePoint Online](#)
- [Compliance Search](#)

Compliance Search for OneDrive Online

You can content index files from OneDrive for Business accounts, and then search the content and metadata for eDiscovery requests.

Applicable Agents

OneDrive

More Information

- [Search and Content Indexing for OneDrive for Business](#)
- [Compliance Search](#)

Legacy File System Content Indexed Data Supported by Case Manager in the Command Center

Compliance officers can use Case Manager to collect data using the legacy file system agent, and then search the collected data for electronically store information (ESI).

Setup Requirements

The legacy file system agent data backups must be complete and content indexed.

More Information

- [Case Manager for Exchange](#)

Use a Single Index Server for OneDrive and Sensitive Data Governance

You can use your OneDrive for Business index server and its data for sensitive data governance operations. You do not need a separate index server.

Applicable Agents

OneDrive

More Information

- [OneDrive for Business: Installing Index Store, Content Analyzer, and Web Server](#)

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[COMMVault.COM](https://www.commvault.com) | 888.746.3849 | GET-INFO@COMMVault.COM