

FAQ: Log Backup with Caching in Commvault Cloud & Software

Overview

The **Log Backup with Caching** feature enhances database protection by enabling high-frequency transaction log backups—even during control plane/CommServe computer downtime. Logs are first written to a secure cache before being backed up to storage, allowing for data consistency and the potential to improve RPOs.

Q: What is Log Backup with Caching?

A: **Log Backup with Caching** allows transaction logs to be dumped to a cache at frequent intervals (as low as 15 minutes), even when the Commvault control plane/CommServe computer is temporarily unavailable. Logs are then swept from the cache to backup storage using a secure, efficient pipeline.

Q: Why was this feature introduced?

A: The addition of Log Backup with Caching helps to improve RPOs, maintain data protection during control plane/CommServe computer outages, and reduce the load on the control plane/CommServe computer by offloading log backup tasks to the client side.

Q: How does it work?

A: The process includes two phases:

- **Dump Phase:** Logs are written to a cache at defined intervals.
- **Sweep Phase:** Logs are later transferred (swept) from cache to backup storage over Commvault's encrypted and compressed Secure Data Transfer (SDT) pipeline.

Q: What are the key benefits?

- **Improved RPOs** with backups as frequently as every 15 minutes.
- **Resilience** during control plane/CommServe computer downtime.
- **Secure and compressed log transfers** using SDT.
- **Reduced load** on the control plane/CommServe computer.
- Log backups included in **SLA tracking and alerts**.

Q: What use cases benefit from this feature?

- **High-transaction environments** requiring frequent log backups.
- **Unreliable connectivity** to the control plane/CommServe computer.

- Control plane/CommServe computer **resource constraints**.
- **Compliance-driven environments** that need frequent, secure backups.

Q: How do I enable Log Backup with Caching?

1. In the Commvault Command Center, go to **Manage > Plans**.
2. Create a backup plan or edit an existing one.
3. In the **RPO section**, configure log backup frequency and toggle the option to “enable log backups with caching.”
4. Assign the backup plan to your database sub-clients.

Note: Starting with release 11.38.26 (May 2025), this feature will be enabled by default for all new backup plans.

Q: What happens to existing backup plans after 11.38.26?

Existing backup plans will continue to honor their current log caching setting and backup frequency. The Log Backup with Caching feature will not be automatically enabled or modified for these plans—you can update the setting manually if desired.

Q: Where is the cache stored?

A: The cache resides on the backup storage associated with the **primary copy** of the backup plan. No manual setup is needed—Commvault handles this automatically when caching is enabled.

Q: How does this affect log backup jobs?

A: Commvault jobs will run during the **sweep phase** (when logs are moved to storage), not during the dump phase. This helps to reduce the overall number of Commvault log jobs visible within the GUI and improves system efficiency. Dump backup jobs continue to be performed in the background to the cache.

Q: How can I monitor log backups with caching?

- **SLA Reports** automatically include log backup SLAs when caching is enabled.
- **Alerts** like “Missed Log Backup SLA” can be configured.

Q: How does this impact my ability to do point-in-time restores?

A: There is no change to the restore process. Restores can be performed from any log backup.

Q: What are the requirements?

A: Please refer to the official Commvault documentation for supported versions, agents, and prerequisites:

- Software: [Commvault Documentation – Configurations for RPO](#)
- SaaS: [SaaS Documentation – Disk Caching for Frequent Database Log Backups](#)

Q: Where can I learn more?

A: Refer to:

- Software: [Commvault Documentation – Caching for Frequent Database Log Backups](#)
- SaaS: [SaaS Documentation – Caching for Frequent Database Log Backups](#)

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