

v9.1.0.0 Release Notes (25-Jan-2022)

1. In this release, all Log4j binaries has been removed. Refer to [Ahsay Advisory - Log4j vulnerability \(CVE-2021-44228\)](#) for more information.

Limitation / Known Issue of This Version

Deployment / Upgrade

- For multi-domain SSL certificates added to CBS before v7.17.0.30, users are required to re-add the SSL certificates to CBS v7.17.0.30 or above, before the certificates can be used on sub-admins accounts.

Note

- 1. Besides the availability of re-branding option, the license key must have valid maintenance in order to build any v9 branded AhsayCBS/OBM/ACB installer.
- 2. If you've customized cbs.css in the previous version, please manually redo the CSS customization upon upgraded to this latest version.

This release contains the major features listed below:

Enhancement

AhsayCBS

Application specific Backup - Office365

- Change Office365 "Term Store Admin" related log message from hide to warn (ref: ELB-667-16980, QHR-979-69511, T-28405)
- Support Restore Deleted Public Folders in ECP to original or alternate organization (ref: T-22827)
- Provide informative error message in restore log when user is deleted or not existing in Office365 (ref: T-22828)
- Enhance warning message when attempt to restore Personal Sites with "Allow custom scripts" disabled (ref: T-23593)
- Option to exclude unlicensed Office365 accounts when creating backup sets using the default menu page (ref: OZI-560-57703, PPO-204-41502, SQH-974-42474, T-25934)
- Support to list and backup files in same directory when large file with more than 1 version exists (ref: T-26027)
- Fix to restore file under OneDrive when OneDrive folder is selected in Office365 backup set (ref: T-32363)

Backup Destination

- Support of OpenStack Wallaby (ref: T-30758)
- Accept bucket name with dot (".") in AWS S3 destination (ref: T-31700)
- Added new Aliyun Region - oss-cn-wulanchabu (ref: T-27745)
- Added new Aliyun Region - oss-cn-guangzhou(ref: T-29529)
- Added new Wasabi Region - US Central 1 (Texas)(ref: T-29060)
- Added new Wasabi EU West 1 (London), AP Northeast 1 (Tokyo), AP Northeast 2 (Osaka) (ref: BDG-857-47346, T-32745)

Customization

- Enhancement - Remove Google+ from Social Media Link (ref: T-32517)

General / Miscellaneous

- Removal of Log4j dependencies (ref: T-33227, [Ahsay Advisory to Log4j vulnerability \(CVE-2021-44228\)](#))
- Enhanced handling to Shrink Data block files (ref: AHK-239-77269, BXK-760-99444, EHQ-112-58844, LKO-413-79371, VTB-189-46125, YYP-886-83124, T-31408)
- Enhanced Index handling Logic for Backup (ref: T-25664)
- Enhanced Error handling for Backup (ref: T-29834)
- Enhanced Retry Logic for Backup (ref: T-25774)
- Enhanced Performance - Space Freeing up (ref: T-30795)
- Support of Delta File Streaming to Destination (ref: T-29973)
- Increased the size of Data Block File from 32MB to 64MB (ref: T-31192)
- Add display of Meter License usage in AhsayCBS Administrator Console (ref: T-31631)

AhsayOBM / AhsayACB / AhsayMobile

Key Enhancements

- In-File Delta v3 - Restore Performance Tuning (ref: T-29507)
- File Listing Performance Tuning (ref: T-29553)
- Support of Backup Data Deduplication (ref: T-30679)

Application specific Backup - Cloud File

- Support files with duplicated name on Google Drive & Google Cloud Storage (ref: T-24981, T-25874)

Application specific Backup - MS Exchange (Mail-Level)

- Support Restore Deleted Public Folders in ECP to original or alternate organization (ref: T-22827)
- Update to show accurate item info in the overwrite prompt when restoring Exchange 2016 Mail items (ref: T-19447)

Application specific Backup - Microsoft SQL

- Enhanced Differential Backup for VSS Mode (ref: T-31135)
- Enhanced Restore from Backup for VSS Mode (ref: T-31136)

Application specific Backup - Hyper-V

- Hyper-V Application Aware Backup (ref: T-30253)
- Hyper-V Backup Logic Revamp (ref: T-30088)
- Hyper-V Backup File Size Reduction
- Hyper-V Run-Direct Performance Tuning (ref: T-30582)
- Enhance VSS Backup and Restore for Hyper-V 2016 (ref: T-28997)

Application specific Backup - Office365

- Change Office365 "Term Store Admin" related log message from hide to warn (ref: ELB-667-16980, QHR-979-69511, T-28405)
- Support Restore Deleted Public Folders in ECP to original or alternate organization (ref: T-22827)
- Provide informative error message in restore log when user is deleted or not existing in Office365 (ref: T-22828)
- Enhance warning message when attempt to restore Personal Sites with "Allow custom scripts" disabled (ref: T-23593)
- Support to list and backup files in same directory when large file with more than 1 version exists (ref: T-26027)
- Fix to restore file under OneDrive when OneDrive folder is selected in Office365 backup set (ref: T-32363)
- Option to exclude unlicensed Office365 accounts when creating backup sets using the default menu page (ref: T-27421)
- Update to show accurate item info in the overwrite prompt when restoring Office365 Mail items (ref: T-19447)

Application specific Backup - VMWare

- VMWare Application Aware Backup (ref: T-32281)
- VMWare Backup File Size Reduction (ref: T-29741)
- VMWare Backup & Restore Performance Tuning (ref: T-30113)
- VMWare VDDK v7.0.2 update (ref: T-30903)
- Remove support of non-VDDK backup (ref: T-31480)

File Backup

- Enhanced handling of move/update permission for File backup (ref: T-32373)

Backup Destination

- Support of OpenStack Wallaby (ref: T-30758)
- Accept bucket name with dot (".") in AWS S3 destination (ref: T-31700)
- Added new Aliyun Region - oss-cn-wulanchabu (ref: T-27745)
- Added new Aliyun Region - oss-cn-guangzhou(ref: T-29529)
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Restore / Decrypt

- Added "Make a copy" option for File Backupsets for overwrite file(s) in Restore (ref: T-31794)
- Enhanced Error handling for Restore (ref: T-29664)

- Enhanced Retry Logic for Restore (ref: T-31792)
- Enhanced File Listing Logic for Restore (ref: T-32368)
- Enhanced handling backupset shows backup date out of the retention period on the Restore Screen and no data can be restored from the date (ref: IMI-780-22053, KLO-837-45913, OUJ-189-23033, UED-258-37258, T-15668)
- Performance Tuning for Merging Delta Files (ref: T-27123)
- Support Backup source path contains "." or ".." in Windows Environment (ref: T-30588)

General / Miscellaneous

- Removal of Log4j dependencies (ref: T-33227, [Ahsay Advisory to Log4j vulnerability \(CVE-2021-44228\)](#))
- Enhanced handling to Shrink Data block files (ref: AHK-239-77269, BXK-760-99444, EHQ-112-58844, LKO-413-79371, VTB-189-46125, YYP-886-83124, T-31408)
- Enhanced Index handling Logic for Backup (ref: T-25664)
- Enhanced Error handling for Backup (ref: T-29834)
- Enhanced Retry Logic for Backup (ref: T-25774)
- Enhanced Performance - Space Freeing up (ref: T-30795)
- Support of Delta File Streaming to Destination (ref: T-29973)
- Allow Data Integrity Check and Retention Policy to run even Backupset Data Migration (v6) is not completed yet (ref: T-32288)
- Increase size of Block file from 32MB to 64MB (ref: T-31192)
- Support Login with 2FA for LinuxCLI & FreeBSD OBM (CLI) (ref: CGT-434-10972, T-30300)

Reporting

- Added option to compress client Backup Log files (ref: QVY-730-98117, RJY-493-34942, XGF-688-59682, T-19770)

Synology / QNAP OBM

- Updated Digital Signature for QNAP OBM Installer (ref: T-24969)
- Synology OBM support longer top level domain name for AhsayCBS (ref: LSV-872-73268, T-32516)

User Experiences

- Reorder the Country List in 2FA setup wizard (ref: XNI-311-98697, T-29411)
- Follow setup in Quick Start Wizard to save single destination config when destination pool was added to Destination Visible to Users (ref: T-32729)

Bug Fix

Backup Destination

File Backup

- OBC - File backup gets error "[ERROR] Invalid Volume "%": \ (volume shadow copy is assumed)" when Google Drive application is running. (ref: IVQ-340-49247, T-32657)
- OBC - Application crashes when running file backup (Problematic frame: # C

[KERNELBASE.dll+0x34f99]) (ref: AKL-868-35181, AVK-929-45953, T-32265)

- OBC - File backup gets error "[MigrateV6Index.downloadV6Index] Failed to download v6 index" (ref: DOY-941-36496, T-32494)

Application specific Backup - Cloud File

- OBC - Correct "Can Edit" to "Can View" File Status after restored files from OneDrive for Business to Original location (ref: T-31222)
- CBS, OBC - When backup Files and folder with '\' in the filename, "Failed to getInputStream of file" error is hit (ref: T-30105)
- CBS, OBC - When backing up files/folders with special characters in Google Cloud Storage backup set, RuntimeException error is returned (ref: T-24643)
- CBS, OBC - Failed to backup special characters for MS Azure Cloud File backup set with InputStream error (ref: T-26264)

Application specific Backup - MS Exchange (Mail-Level)

- OBM - Unable to backup the folder permission for Exchange 2016 Mail level backup set (ref: T-19296)
- OBM - Outdated sub-index files retained in backup destination (ref: PCG-655-64690, T-32557)

Application specific Backup - Office365

- CBS, OBC - Office365 Run on Server backup gets error "[SharePointManager.listDirectFromCloud] Failed to create a new folder iterator." (ref: MZZ-848-45727, PQF-649-62177, T-32410)
- CBS, OBC - Office365 SharePoint "Data Synchronization Check" backup stuck after running for 1.5 hours (ref: TWZ-844-15239, T-32492)
- CBS, OBC - When performing Office365 restore using first backup job, Delta of second backup job is also downloaded (ref: T-29165)
- CBS, OBC - Incorrect Statistics warning appears when the user runs a DIC job for Office365 backup set (ref: T-29225)
- CBS, OBC - Additional mail uploaded when user select only one mail (ref: T-29403)
- CBS, OBC - Multiple warning log "423 Locked", "404 Not Found" during restore for document library with Require Check Out setting (ref: T-29609)
- CBS, OBC - When selected Site Collections or Public Folders shortcut with their nodes deselected, child items are always selected (ref: T-24073)
- CBS, OBM - Failed to list/backup Office365 mail items under folder with Unicode 005C \ in name (ref: T-16250)
- CBS, OBM - After directory deleted in backup job, restore explorer still show the deleted directory as an empty folder (ref: T-27607)

Reporting / Email report

- CBS - In-File Delta Module disabled warning message is not shown in French Backup Report (ref: DPP-628-13140, T-32472)
- CBS - Progress of New, update, delete files are logged only in client logs but not to PDF report (ref: VMT-626-70297, T-28848)

Replication

- When replicating 1GB file to OpenStack, "Exception=java.lang.OutOfMemoryError: Java heap

space" replication error is returned (ref: T-25554)

Product Abbreviation:

- AhsayACB - ACB
- AhsayOBM - OBM
- AhsayCBS - CBS
- AhsayACB & AhsayOBM - OBC
- (AhsayMobile) Mobile Backup Server - MBS

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