asigra

Windows DS-Client v14.2.0.9 Hotfix Readme

1.1   About this hotfix

The following packages have been distributed with this hotfix and must be installed on a system that is running Asigra Cloud Backup v14.2.

- dsclni_14_2_0_9.win64

Important: Before applying this hotfix, ensure the DS-System is running 14.2.0.6 or later.

1.2   Applying this hotfix

By default, hotfixes are automatically applied the first time the DS-Client connects to an upgraded DS-System. For more information, see the *DS-System User Guide*.

To apply this hotfix automatically:

1. Download the required hotfix file.

2. Copy the hotfix file to the DS-System online storage Upgrade directory. When the DS-Client connects to the DS-System, the DS-System validates the DS-Client version number. If the upgrade package on DS-System is higher than the current DS-Client version, the DS-Client will silently upgrade itself.

Note: If you disable automatic upgrades, you must manually apply the hotfix to the DS-Client.

To apply this hotfix manually:

1. Download the required hotfix file to an empty folder on the DS-Client computer.

2. Rename the hotfix file so that it has a .exe extension.

3. Right-click the .exe file and click **Run as administrator**. The components will be extracted to the same folder.

4. Double-click the **hotfix.exe** file to apply the hotfix.

1.3   Issues resolved in this hotfix

This section lists issues that have been resolved in this hotfix.

Note: This hotfix might include additional fixes that are not documented in this Readme.

ID	Issue
TS-5762	On occasion when backing up Microsoft 365 SharePoint Online or OneDrive data, an SPO login error was reported.
TS-6377	Improved the storage optimization of Microsoft 365 Exchange Online backup data. After applying this fix, storage utilization will be impacted, and Microsoft 365 backups may consume more or less storage depending on the size of the customer domain.
TS-6908	On occasion when attempting to perform an item-level restore of a VMware vCenter Server backup set using DS-User, if the File Level Restore (FLR) and Local Storage options were enabled and a retention rule was configured for local storage, the user was unable to perform a file-level restore of data from older generations.
TS-6909	On occasion when attempting to create a Microsoft 365 backup set that included SharePoint Online and OneDrive data from a domain with multiple custom names, an SPO logon failed error was reported.

1.4   Issues resolved in previous hotfixes

This hotfix is cumulative and contains the following updates from previous hotfixes:

Hotfix 14.2.0.8

ID	Issue
AF-61	Improved performance when restoring Microsoft 365 (Exchange Online) data.
AF-276	Updated the Google Drive API to support the latest Google Workspace features.
AF-305	Improved data processing and performance when backing up Microsoft 365 (SharePoint Online) data. Requires Windows DS-Client v14.2.0.8 or later.
AF-418	On occasion when performing a restore of a Microsoft 365 (Groups) backup set, if any items (conversations, threads, posts, attachments, etc.) contained special characters, the restore completed with errors.
AF-467	When attempting to perform a backup of a Microsoft Hyper-V Server backup set that is being replicated, a warning message is now displayed to indicate when a virtual machine is offline.
AF-486	When performing a Bare Metal Restore (BMR) of a computer with active retention rules, users can now select a backup session suitable for BMR.
AF-509	When scanning File System backup sets for malware during the restore process, Management Console users can now either quarantine the infected files in a password-protected zip file or attempt to clean the infected files and restore them when the remediation is successful.
AF-513	Windows DS-Client now supports the Transport Layer Security (TLS) 1.3 encryption protocol.
AF-517	Updated the Google Contacts API to support the latest Google Workspace features.
AF-545	Updated third-party components used by Windows DS-Client to address potential security vulnerabilities.
AF-549	Updated the Google API Client Library to support the latest Google Workspace features.
AF-557	Updated the Google Calendar API to support the latest Google Workspace features.
AF-558	Updated the Google Gmail API to support the latest Google Workspace features.
AF-568	When scanning File System backup sets for malware during the backup process, files detected with malware are no longer quarantined. The files are backed up to the DS-System in an encrypted format so they cannot infect the data repository. Infected files can be quarantined or cleaned during the restore process.
AF-570	Replaced all references to "Google G Suite" with "Google Workspace".
AF-625	Implemented dynamic thread pool management for Google Workspace. The GAppsMaxJavaPluginThreads advanced configuration parameter is no longer required or available.
AF-694	When performing a restore of a File system backup set, users now have the option to restore Microsoft data deduplication links as links, skip data deduplication links, or restore the last non-link.

ID	Issue
AF-733	Management Console Global Administrators can now configure Multiperson Approval (MPA) for accounts so users require multiple people to approve a potentially destructive action that can result in the loss of data. Administrators can set a threshold to specify how many approvals are required.
TS-3188	If the configured local storage path was inaccessible, the path was reset to prevent operations from using an invalid path. Users can now configure the new ResetInvalidLSRootPath advanced configuration parameter to specify if they want the configured local storage path to be reset (Yes) or retained (No) if DS-Client detects the configured local storage path is invalid or is temporarily unavailable.
TS-3621	On occasion Bare Metal Restore (BMR) backups reported errors when processing the sfcfiles.lst file and the process was unable to complete.
TS-5218	On occasion the DS-Client service terminated unexpectedly because it was unable to open a port.
TS-5659	On occasion when attempting to perform a backup of a File System backup set using a DS-Client with a configured local storage path, an error was reported indicating there was a duplicate key value violating a unique constraint.
TS-5706	On occasion when using the cybersecurity features and connected to an older version of the DS-License Server, a warning message was displayed indicating cybersecurity was enabled but CDR was disabled. The warning message has been improved to now indicate that antimalware is enabled, but CDR is unavailable. The user is instructed they must upgrade the DS-License Server to use the CDR feature.
TS-5746	On occasion when attempting to perform a backup of a Microsoft SQL Server backup set in a Grid DS-Client environment, an error was reported indicating that access was denied.
TS-5748	On occasion when attempting to perform a backup of a Salesforce backup set, the backup failed, and an error was reported indicating the insert data to table failed with an exception.
TS-5755	On occasion when performing a backup of a Microsoft 365 (SharePoint Online or OneDrive) backup set, some duplicate items were backed up during the autodiscover process. The duplicate items and backed up files would be deleted when a retention rule was triggered on the backup set.
TS-5758	On occasion when attempting to restore files deleted from source using a File System backup set, the files were not restored.
TS-5759	On occasion when synchronizing a backup set that was local-only, if one of the files was a share descriptor (appdesc.dat or dirdesc.dat) and was corrupted, an error was reported, and the corrupted files were deleted. We now attempt to recreate the corrupted files based on the information saved in the DS-Client database.
TS-5760	On occasion when exporting the DS-Client information to an XML file, some information was not exported.
TS-5763	On occasion when attempting to back up data from Microsoft 365 (Exchange Online) mailboxes, an internal server error was reported indicating the operation failed. This issue occurred because Microsoft discontinued support for a feature that affects Microsoft 365 mailboxes accessed by email clients that have the feature enabled. Internal data associated with the discontinued Microsoft feature is now excluded during the backup process. Improvements have also been made to the handling of errors.
TS-5765	On occasion reports that were emailed from DS-Client displayed negative values for VMware vCenter Server backup sets.
TS-5768	On occasion when performing a backup of a File System backup set, some system files (e.g., swap and/or hibernation files) were backed up. These files will now be excluded from backups.
TS-5770	On occasion when attempting to restore files from a Microsoft 365 (Exchange Online) backup set to a local disk, some files could not be restored.
TS-5776	On occasion when attempting to use the encryption tool (asigraenc) to generate an encrypted password, an error was reported.
TS-5781	On occasion when performing an antimalware scan, if the configured path for the quarantine folder was invalid, the DS-Client terminated unexpectedly.
TS-5782	On occasion when restoring a Microsoft 365 (SharePoint online) backup set to a local path, some large files were truncated and there was a discrepancy between the size of the data backed up and restored.

Hotfix 14.2.0.7

ID	Issue
TS-4765	On occasion when attempting to back up data from Microsoft 365 (Exchange Online) mailboxes, an internal server error was reported indicating the operation failed. This issue occurred because Microsoft discontinued support for a feature that affects Microsoft 365 mailboxes accessed by email clients that have the feature enabled. Internal data associated with the discontinued Microsoft feature is now excluded during the backup process. Improvements have also been made to the handling of errors.

Hotfix 14.2.0.6

ID	Issue
AF-66	When configuring the SMTP server notification settings in DS-User, users can now enter a password for the SMTP Server that contains up to 128 characters.
AF-208	When configuring a VMware vCenter Server backup set, users can now configure the days of the week on which they want to validate the disk signature of a protected virtual machine.
AF-246	Management Console users can now scan File System backup sets for potentially malicious or unauthorized content during backup and restore based on predefined policies. Active content is reported on during the backup process and filtered, blocked, or removed during the restore process.
AF-318	Management Console users can now backup and restore Microsoft 365 SharePoint and OneDrive data using Modern Authentication credentials.
AF-325 AF-348	Management Console users can now backup and restore individual Microsoft 365 SharePoint and OneDrive files that are up to 250 GB in size.
AF-384 AF-430	SharePoint and OneDrive performance has been improved when backing up and restoring multiple large files. DS-Client memory usage has been reduced when backing up and restoring SharePoint and OneDrive data.
AF-414	The version of the log4j component used by the Asigra software has been updated to the latest version to ensure our software is not flagged by any scanning tools.
AF-444	Updated DS-Client to address hardening changes implemented by Microsoft in DCOM (KB5004442) that were required for CVE-2021-26414 (https://msrc.microsoft.com/update-guide/vulnerability/CVE-2021-26414).
TS-3190	On occasion when performing a VMware vCenter Server backup of a virtual machine, an error message was displayed indicating the snapshot creation process timed out and failed.
TS-3357	On occasion when replicating virtual machines from one VMware vCenter Server to another over a Wide Area Network (WAN) connection, replication was reported as successful but there was a corrupted generation.
TS-3580	On occasion when configuring a Microsoft Hyper-V Server (Cluster) backup set, there was a long delay to load the list of virtual machines.
TS-3581	On occasion after applying the Windows DS-Client 14.2.0.5 hotfix, some Microsoft 365 backups failed.
TS-3609	On occasion after applying a Windows update to the DS-Client machine, an access denied error was displayed when referencing junction points during a File System backup.
TS-3611	On occasion after upgrading a Grid DS-Client, some scheduled retention tasks failed.
TS-3612	On occasion when attempting to perform a VMware vCenter Server backup, the backup process failed.
TS-3620	On occasion when performing a selective delete of files from a File system backup set that contained thousands of folders and millions of files, the Delete Wizard became unresponsive when applying a filter.
TS-3623	When attempting to restore an Oracle MySQL backup set that contained a database with a hyphen in the name, an error message was displayed and the restore process failed.
TS-3733	After performing a Microsoft SQL Server full and incremental backup, if SQL Management Studio was used to perform a copy-only backup, the next Microsoft SQL Server backup was full instead of incremental.

Hotfix 14.2.0.5

ID	Issue
AF-45	When configuring a Microsoft 365 backup set, users can now perform folder-level backups of SharePoint and OneDrive Document libraries.
AF-65	When performing a backup of a virtual machine on a VMware vCenter Server, a warning message is now displayed in the Event Log if a backup snapshot cannot be removed
AF-292	The version of the log4j component used by the Asigra software has been updated to the latest version to ensure our software is not flagged by any scanning tools.
TS-2684	On occasion, the refresh token for Microsoft 365 credentials expired due to inactivity, which affected Microsoft 365 (Exchange Online) backup sets.
TS-2692	On occasion, some of the error messages that appeared in the Event Log were concatenated.
TS-2694	On occasion when configuring a Microsoft Hyper-V Server (Standalone) backup set, there was a long delay to load the list of virtual machines.
TS-2707	On occasion when connected to a DS-Client with a PostgreSQL database, the DS-Client transitioned to standby mode after performing a backup and an error message was displayed in the Windows Event Viewer log indicating that there was an incompatible database version.
TS-2718	On occasion when performing a Microsoft 365 backup of SharePoint or OneDrive data, if the backup failed for any reason, it blocked all other backup operations from completing.
TS-2944	On occasion when a user changed the name of an existing backup set in DS-User and then connected their DS-Client to the DS-NOC, a new backup set with the old name was created in DS-Client.
TS-3137	On occasion when performing a File System backup or restore of an encrypted file located in a directory path that exceeded 260 characters, an error message was displayed indicating the path of the encrypted file was too long and the backup failed.
TS-3138	On occasion when performing a Salesforce backup, the process was very slow.
TS-3148	On occasion when performing a VMware vCenter Server backup of a virtual machine with NTFS partitions, the DS-Client silently failed to process some NTFS partitions during the File Level Restore (FLR) and the restore wizard did not display the FLR-level items for the affected partitions.
TS-3152	On occasion when performing a restore from a disc/tape backup, an error message was displayed indicating the "tier" column does not exist when browsing and accessing the disc/tape.
TS-3158	On occasion when performing a backup of Microsoft 365 (SharePoint Online) data that contained a file attachment larger than 260 MB, the backup of the affected items failed.
TS-3162	On occasion when performing a cybersecurity scan of a File System backup, warnings were displayed indicating the cybersecurity module could not find the specified file.
TS-3173	On occasion scheduled tasks did not trigger after the daylight savings time change.

Hotfix 14.2.0.4

ID	Issue
AF-283 AF-285	A vulnerability has been identified with the Apache log4j component that affects version 2.x to 2.15.0 when JNDI features are used. The log4j configuration used by Asigra software components does not utilize the JNDI feature affected by this vulnerability. However, we have updated the version of the log4j component used by the Asigra software to the latest version to ensure our software is not flagged by any scanning tools.

Hotfix 14.2.0.3

ID	Issue
TS-785	On occasion, the DS-Client terminated unexpectedly while performing a Microsoft 365 backup.
TS-1121	On occasion when performing a File system backup with VSS enabled, the backup process failed.
TS-1400	On occasion when performing a VMware vCenter Server backup, random error messages were reported.
TS-1472	On occasion when performing a Salesforce backup, the performance was slower than expected.
TS-1476	When generating a Restorable Volume Report, VMware vSphere backup sets reported a backed-up data size of zero.
TS-1763	On occasion when performing a Microsoft 365 backup of OneDrive data, an error was reported indicating the path was not of a legal form.
TS-2172	On occasion when performing a Microsoft 365 backup of Groups and Teams data, some backups failed with a read access violation exception.
TS-2396	On occasion when performing a Microsoft 365 backup of Groups data, some backups failed with a read access violation exception and invalid buffer size errors.
TS-2626	On occasion when performing a VMware vCenter Server backup, an error was displayed indicating the server refused a connection the backup failed.
TS-2627	On occasion when performing a Microsoft 365 backup of SharePoint data, an SPO logon failed error was displayed and some backups failed.
TS-2633	On occasion when performing a VMware vCenter Server backup of a source virtual machine with an NVMe controller, the backup process failed.
TS-2640	On occasion when working with a large Microsoft 365 domain, the performance was slower than expected.
TS-2644	On occasion when attempting to perform a cybersecurity scan of a File system backup set, an error was reported indicating that the cybersecurity module could not be initialized.
TS-2651	On occasion, the Daily Admin process continued to run continuously in a loop.
TS-2653	On occasion when performing a Microsoft 365 backup of Teams data, an error was reported indicating the backup reader failed to read the data because the specified resource ID does not exist.
TS-2656	On occasion when performing a synchronization of a backup set, an error was reported indicating there was a violation of the primary key constraint PKBA.
TS-2673	When performing a Microsoft 365 backup, users were unable to select resource mailboxes for backup.
TS-2695	On occasion, some DS-Clients were unable to reconnect to the embedded PostgreSQL database following a power outage.
TS-2721	On occasion when performing Microsoft 365 backups with the cybersecurity option enabled, some DS-Clients were terminated unexpectedly.
TS-2730	On occasion when performing a Microsoft 365 backup of Exchange Online mailboxes, the backup process became unresponsive.
TS-2731	On occasion when performing a VMware vCenter Server backup, an error message was displayed, and the backup failed.

Hotfix 14.2.0.2

ID	Issue
AF-190	Management Console users can now protect their Microsoft 365 backup sets from malware by performing real-time scans of their files (Exchange Online, SharePoint Online, OneDrive, Groups, or Teams) during the backup and restore process.
AF-193	Management Console users (Windows or Linux) can now remotely manage DS-Clients without opening a port in the firewall on the DS-Client machine.
TS-1119	Users were unable to back up and restore a virtual machine in a VMware vSphere 7.0 environment.
TS-1133	On occasion when backing up a large, embedded PostgreSQL DS-Client database during the daily or weekly admin process, the backup process failed due to a limit imposed by PostgreSQL. The PostgreSQL max-locks_per_transaction parameter value is now updated automatically to address this issue and the PostgreSQL server and DS-Client are restarted for the changes to take effect.
TS-1249	On occasion when creating a custom report with a valid date and time, an error was displayed indicating the date and time were invalid.
TS-1255	On occasion when Microsoft 365 backup sets were created in DS-NOC or DS-User, the backup sets might get duplicated after upgrading to v14.2 if the DS-Clients were added in the Management Console using the same cloud domain with the auto-discovery option enabled due to new backup sets naming convention implemented in Management Console. DS-Client (14.2.0.2), DS-NOC (14.2.0.1) and Management Console (14.2.0.2) are required.
TS-1340	On occasion when creating a Microsoft 365 backup set, some SharePoint sites were not displayed on the SharePoint tab.
TS-1342	On occasion when upgrading a DS-Client from v13.3. to v14.2, the upgrade process failed during the database migration process due to an issue in the PostgreSQL engine.
TS-1378	When backing up and restoring Microsoft 365 backup sets, Management Console users could not perform real-time scans of their Groups and Teams files for malware during the backup and restore process. Requires Windows DS-Client (14.2.0.2) and Management Console (14.2.0.2) or later.
TS-1389	On occasion when restoring email data that had been backed up at the individual message level from Microsoft Outlook using DS-MLR, if the user applied a filter, the restore failed with errors.
TS-1415	On occasion when using an embedded PostgreSQL database in a Grid DS-Client configuration, the PostgreSQL database terminated unexpectedly during the daily admin process.
TS-1420	On occasion, Microsoft 365 backup set data was backed up a second time after the Daylight Savings Time (DST) change, which resulted in two generations of the data available in the DS-System.
TS-1460	On occasion when performing a File system backup on a machine on which the Microsoft Azure Recovery Services (MARS) agent was installed, an error message was displayed indicating the system could not find the specified path.
TS-1462	On occasion when performing a Microsoft 365 backup of OneDrive accounts, the backup failed and a DisplayName error was reported.
TS-1463	An error message was displayed because the DS-Client API certificate had expired.
TS-1469	On occasion when performing a Microsoft 365 backup of Exchange Online mailboxes, an error message was displayed even though the data was backed up successfully.
TS-1803	On occasion when performing a synchronization process, a COALESCE error was reported.

Hotfix 14.2.0.1

ID	Issue
AF-189	Management Console users can now protect their Exchange Online data from malware by performing real-time scans of their files during the backup and restore process.
TS-926	On occasion when performing a backup of a Microsoft SQL Server (Classic) backup set with a Full plus Differential database backup policy, a second full backup was performed rather than a differential backup.
TS-1131	On occasion when backing up an embedded PostgreSQL DS-Client database during the daily admin process, the database backup failed because of a limit imposed by PostgreSQL. An error message is now displayed in the DS-Client Event Log to inform users and instruct them to increase the value of the PostgreSQL max-locks_per_transaction parameter.