Miradore Endpoint backup

Version information

Endpoint backup client version: 6.2.7

Endpoint backup server version: 1.4.2

Released in Miradore version: 5.3.0

Release date: 6/2020

Description

Miradore Endpoint backup is a backup solution integrated into Miradore. It provides an easy way for providing user data

backup services to computers managed with Miradore. Backup client is integrated into Miradore client and can be easily managed

from the management console of Miradore. There you can enable Endpoint backup to devices, configure backup jobs and analyze the reports.

Endpoint backup supports two different backup methods. Data can be backed up to backup servers over HTTP(S) protocol. You can also use your

own file systems such as a network file share, local drive or an USB disk drive as the backup destination.

Backup client has an easy to use user interface where users can configure their own backup jobs or restore files and directories from earlier

backups run on the current device or their other devices.

Features

Backup

- Launch methods
  - Background (unattended)
  - Manual (end user)
  - Command line
- Backup method
  - Mirror backup (new and changed files are copied to destination immediately, files removed from source are removed from destination after a delay configured)
- Backup scheduling according to time interval or backup window
- Transfer rate detection
- Maximum bandwidth consumption limit
- Delta copy for changed parts of Microsoft Outlook PST files
- Supported destination media
  - Backup server (backup over HTTP/HTTPS)
  - File system
    - Network file share
    - Removable media (external disk drive, memory card, etc.)
    - Local disk

Restore

- Self-service restore through endpoint backup client (administrators can also deny restore from end-users)
- Restore of individual file or multiple files and folders
- Restore to original or alternative location
- Restore files of backup jobs run on users's other devices

Reporting

- Real-time reporting for administrators (reporting perspectives):
  - Reporting perspectives
    - By device, By backup job, By backup destination, By user
  - Reporting details include:
    - Destination and source details, Start and end times, Duration, Transfer speed, Backup file count and size, Transferred files, Files waiting for deletion (cound and size), Restore details, Errors, etc.
    - Daily summary

Configuration

- Client configurations
  - Default language
  - Allow users to create backup jobs
  - Configuration update interval

Startup delay

Automatic client update

HTTP authentication method

Allow user registration

Default configurations for backup jobs

Logging severity

Report every backup job run

Endpoint backup server configurations

Host device

Display name

Hide from users

HTTP(S) settings

Site name

Port

Use SSL

Ignore SSL errors

File storage settings

File storage path

Transfer block size (MB)

Database connection settings

Server

Instance

Database name

Backup job

Shared/device specific job

Backup type (Backup server, File system)

Mandatory job (administrator forced job)

Backup source and destination (supports environmental variables)

Backup scheduling (according to backup interval or backup window)

Backup interval (a time interval how often the backup job is executed)

Backup window (a time slot when performing the backup job is most suitable e.g. between 22-06.)

Retry backup window jobs until success (if the backup job fails during the backup window, should it be tried again until it succeeds)

Time to store deleted files

Required transfer rate (kB/s)

Maximum bandwidth consumption (static, dynamic)

Allowed accounts (what accounts are allowed to run the backup job. Options: resp. person, local system account, and any user account)

Allowed users

File filtering based on file extensions (include/exclude)

Append source path to destination path (yes/no)

Job scoping options

Device, Device role, Contract, Device usage, Location, Organization, OS Category, Hardware category

Supported operating systems

Microsoft Windows

Windows 10/ 8.1 / 8 / 7 / Vista / XP, Server 2016 / 2012 R2 / 2012 / 2008 / 2003, XP Embedded, POSReady 2009, POSReady 7

OS X / macOS

10.6 - 10.14

Linux

CentOS 6 - 7, Debian 6 - 9, Fedora 15 - 19, OpenSUSE 11.4 - 12.3 & 42.1 - 42.3, Red Hat Enterprise Linux 6 - 7, SUSE Linux Enterprise 11 - 12, Ubuntu 10.04 - 13.04 & Ubuntu 16.10, 17.04, 17.10, 18.04 LTS

Hardware prerequisites

Runs on any hardware compatible with supported operating systems listed above

    15.5.2020

Network requirements

Connections with Miradore server

HTTP(S) connection (port depends on Miradore server configuration, default is 80/443)

Connections for data backups

Connections to network file shares use ports depending on target system (for example Windows file shares use TCP 135, 139 and 445)

Connections to Endpoint backup server use HTTP(S) port defined in backup server configurations (default is 80/443)

Client installation and upgrade

Installation

Miradore Endpoint backup is integrated with Miradore client and is installed automatically if Endpoint backup is enabled for the device.

Upgrade

Endpoint backup client is upgraded automatically when new version is enabled on Miradore server. During the upgrade, Endpoint Backup Client is retrieved from installation points or directly from Miradore Management Suite server.

Application file locations

Windows:

Installation directory: "C:\Program Files\Miradore\Netsafe"

Configuration file: "%AppData%\Miradore\Netsafe.ini"

Client logs: "%Temp%\NetSafe"

Mac OS X:

Installation directory: /Applications/Netsafe.app

Configuration file: $HOME/.config/Miradore/NetSafe.ini

Client logs: $HOME/.netsafe

Linux:

Installation directory: /usr/bin

Configuration file: $HOME/.config/Miradore/NetSafe.ini

Client logs: $HOME/.netsafe

Uninstallation

Endpoint backup client is automatically disabled on the local if Endpoint backup feature is disabled on Miradore server.

Authentication

Between Endpoint backup client and Miradore server

Standard Miradore client authentication.

Between Endpoint backup client and backup destination

File system backups:

Backup client uses the user credentials to connect file system destinations.

Backup server backups:

Backup client uses either Miradore authentication (backup user account) or Microsoft Active Directory integrated authentication.

Debugging

Check Miradore client log files (see detailed location above)

If needed, enable debug level logging through configuration file. Locate the file (see detailed locations above), open it into editor and configure

configure entry LogSeverity in section [General] as follows:

LogSeverity=Debug

Version history

Miradore 5.3.0 / Endpoint backup client 6.2.7 / Endpoint backup server 1.4.2

- Previous Endpoint Backup Server versions didn't support Miradore instances which required TLS 1.2. Version 1.4.2 of Endpoint Backup Server has been compiled with .NET 4.6.2 which adds support for TLS 1.2 protocol.

- Endpoint Backup Server installer now installs SQL Server 2017 Express. Because of this, Endpoint Backup Server now requires Windows Server 2012 or newer operating system from the device hosting the Endpoint Backup Server. Support for Server 2008 and 2008 R2 has been dropped.

Miradore 5.1.0 / Endpoint backup client 6.2.7 / Endpoint backup server 1.4.1

- Endpoint Backup Server 1.4.1 fixes a bug which occasionally caused backups to fail due to an authentication issue on the Endpoint Backup Server.

Miradore 5.0.0 / Endpoint backup client 6.2.7 / Endpoint backup server 1.4.0

- It's now easier to analyze deleted files in the Endpoint Backup client, because the showing of deleted files can now be enabled simultaneously with the "All files" and "Files modified in last 7 days" options.

- File restoration through the Endpoint Backup client failed without error message if the backup had been taken of a folder which has a restricted access. After this fix, the Endpoint Backup client will report the success of the file restoration attempts.

- Previous versions of the Endpoint Backup client generated excessive temporary files to the backup location if network issues occurred when files were being backed up to a network share. The fixed client always creates only one temporary file per backup. all temporary files, including the unnecessary files created in the past, will be cleaned up from the backup folder when a backup job completes successfully next time.

Miradore 4.6.0 / Endpoint backup client 6.2.5 / Endpoint backup server 1.4.0

- Endpoint Backup client for Windows was recompiled with the latest OpenSSL libraries.

- The background process for "mdnetsafemgr" crashed on Macs when using the HTTPS connection to Miradore server, because Endpoint Backup client for Macs used a wrong OpenSSL library. In order to fix the problem, the Endpoint Backup client was recompiled with the latest OpenSSL libraries.

Miradore 4.5.0 / Endpoint backup client 6.2.4 / Endpoint backup server 1.4.0

Miradore Endpoint Backup Client 6.2.4 fixes five bugs, listed below:

1. The performance of Endpoint Backup was very bad on OS X/macOS devices when the status scan was performed for a backup job. For example a very simple backup operation sometimes took up to one minute and froze the graphical user interface.

2. The handling of usernames was case-sensitive in endpoint backup jobs, and because of that, any backups to the file system had to be run again if any changes were detected in the username that had been used to create the backup.

3. Previously on the Windows platform, Endpoint Backup client locked a file that was being backed up. This meant that users were not able to work with the files during the backup because saving or changing the included files was not possible.

4. Endpoint Backup client sometimes displayed wrong status information for a backup job folder. The wrong status was typically "Out-of-sync" even when the backup was actually up-to-date.

5. Endpoint Backup failed in OS X / macOS and Linux devices if the name of the backup source included a space. For example, if the backup source location was "$HOME/My Documents", the backup did not succeed.

Miradore 4.4.1 / Endpoint backup client 6.2.3 / Endpoint backup server 1.4.0

- The automatic upgrade of Endpoint Backup Clients was improved to download new client version directly from Miradore Management Server if the needed upgrade files cannot be retrieved from installation points. This improvement should enhance the reliability of client upgrades.

- Fixed bug: Restoring files from backup didnt always succeed because there was a bug in the processing of environmental variables. The bug occurred in certain sitations if environmental variables such as %HOMEPATH% had been used to define file paths for the backup job. The problem is fixed in Endpoint Backup Client Version 6.2.3.

- Fixed bug: There was a bug which prevented the end-users from restoring files using the "Restore other" option on Windows platform. The problem is fixed in the Endpoint Backup Client version 6.2.3.

Miradore 4.3.0 / Endpoint backup client 6.2.2 / Endpoint backup server 1.4.0

- Added a new client configuration setting "Report every backup job run" to the system settings, which allows to configure the backup clients to always report the status of an endpoint backup job back to Miradore server after the endpoint backup job has been run. When this option is enabled, the backup status is reported even if there was no errors or changes in the backup files.

- Fixed bug: Miradore uses a specific "Miradore Netsafe Enable for Windows" package to install endpoint backup client to the computers that are within the scope of endpoint backup. Unfortunately, there was an error Miradore Management Suite 4.2.1, which caused the system to redistribute the package to the computers every day although it was not necessary after the first successful installation.

- Fixed bug: There was an old version of endpoint backup client installer in the "App\UI\Installation\Windows\Netsafe\Current" folder in the installation directory of Miradore Management Suite. This was problematic because Miradore Management Suite uses the folder as an alternate source to get the installer if it fails to download the installer from the nearest HTTP installation point or net share installation point.

- Fixed bug: The value of attribute "Allowed account" wasn't saved correctly when creating and saving a new Endpoint backup job item.

The form displayed "Any user account" in the field even if user chose "System account only" as the preferred value for the field. Luckily, the problem was only in the loading of the user interface elements, and the field value was saved correctly into the database.

- Fixed bug: Scheduling of endpoint backup jobs failed in certain cirmumstances and therefore the backups didn't sometimes run as expected.

Miradore 4.2.1 / Endpoint backup client 6.2.0 / Endpoint backup server 1.4.0

- Added "allow restore for end-users (yes/no)" setting to endpoint backup job items.

- Added "Backup window" setting to endpoint backup job items. Enables to schedule the running of backup jobs within the given timeslot.

- Added "Allowed account" setting to endpoint backup job items. Enables to select whether its allowed to run the job with local system account, responsible persons account, or with any user account.

- Added scoping rules to Miradore system settings. Allows to define assets where backup jobs can be performed with different accounts.

- Endpoint backup client's default log path was changed as "$HOME/.netsafe" on OS X devices.

- Added SQL Server 2014 Express to Endpoint Backup Server installer.

- Updated Endpoint Backup Server to use .NET Framework 4.5

- Multiple bug fixes (described with details on Miradore Management Suite 4.2.1 release notes)

Miradore 4.1.1 / Endpoint backup client 6.1.3 / Endpoint backup server 1.3.1

- Updated Endpoint Backup client for Windows and OS X to use Qt version 4.8.7. Windows version was updated to use OpenSSL libraries version 1.0.2a. Also OS X Endpoint Backup client now contains OpenSSL library version 1.0.2a. Earlier OS X Endpoint Backup used OpenSSL libraries provided by operating system but those are no longer updated by Apple.

- Fixed bug: Installation of Miradore Endpoint Backup client failed in several Linux distributions including OpenSUSE and CentOS.

- Fixed bug: Due to a bug, Miradore's endpoint backup background process didn't start when computer was started and the user logged in. The problem affected on Miradore endpoint backup feature on Mac OS X computers.

Miradore 3.7.0 / Endpoint backup 6.1.2

Miradore client for OS X was updated to support OS X 10.10 Yosemite.

Miradore client for OS X was updated to support the latest Apple Gatekeeper requirements.

Miradore 3.6.4 / Endpoint backup 6.1.1 / Endpoint backup server 1.3.1

Updated with the latest OpenSSL libraries.

Options menu item All files was separated from Deleted files to clarify the user interface.

Miradore 3.6.1 / Endpoint backup 6.1.0 / Endpoint backup server 1.3.0

Minor improvements and bug fixes.

Miradore 3.6.0 / Endpoint backup 6.0.0

Product name was changed from Miradore Netsafe to Miradore Endpoint Backup.

New graphical user interface for Endpoint backup client.

Miradore 3.5.4 / Netsafe 5.2.1.2

New features: Delta copy of Microsoft Outlook PST files, restore from other devices

Minor improvements and bug fixes.

Miradore 3.5.2 / Netsafe 5.2.0.0

New features: Limiting the maximum bandwidth consumption, Czech language support

Minor improvements and bug fixes.

Miradore 3.5.1 / Netsafe 5.1.0.22

Minor improvements and bug fixes.

Miradore 3.5.0 / Netsafe 5.1.0.20

Initial release of Miradore Netsafe version 5.1.

New features: backups to Netsafe servers over HTTP(S), multilanguage support.

Minor improvements and bug fixes.

Miradore 3.4.0 / Netsafe 5.0.0.26

Bug fix: Backup for a file fails if Netsafe's own temporary files are left into destination folder

Bug fix: Users are able to add new backup jobs via Netsafe client although it is denied in the system settings of Miradore

Bug fix: In some special cases Netsafe client may modify a shared backup job on Miradore server or remove the backup job completely

Miradore 3.3.0 / Netsafe 5.0.0.25

Initial release of Miradore Netsafe version 5.

15.5.2020