

AllSync 4 Manual

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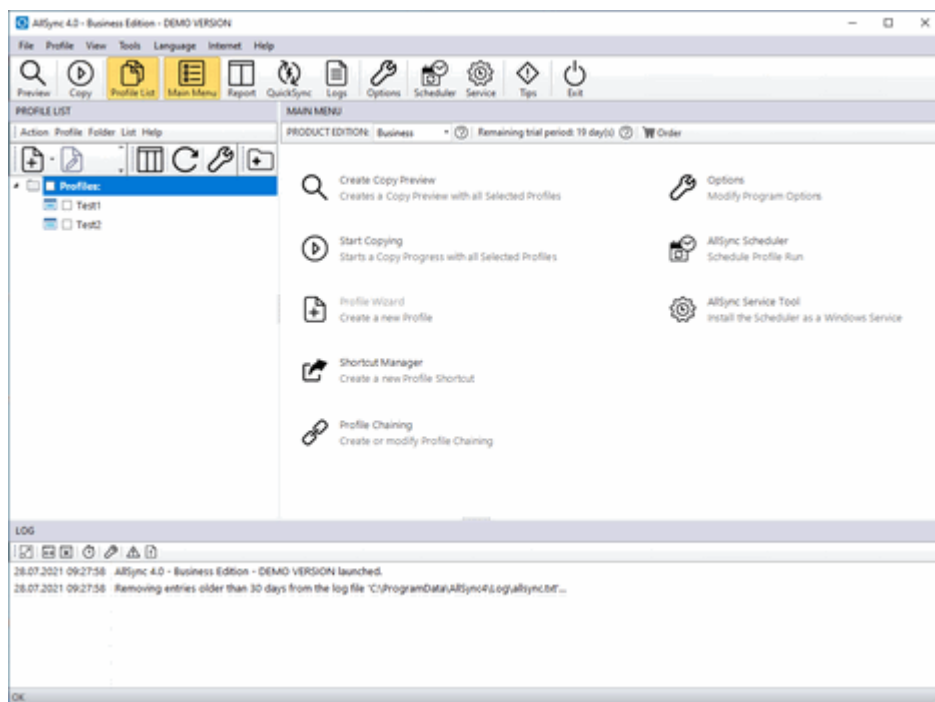
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AllSync Product Description

AllSync is *the* professional solution for your data synchronization, imaging, backup, update, replication and archiving needs under Microsoft Windows (see [operating systems](#)). AllSync supports all [storage media](#) that can be accessed via a drive letter or network path.



Various preconfigured [copy modes](#) are available for your copy tasks. A wide variety of [copy rules](#) enable you to adapt the various copy modes to your individual requirements.

All the settings required for a specific copy procedure between two folders are stored in a [profile](#). You can create as many profiles as you like and administer them according to project in the [profile list](#).

Copy Preview

AllSync also offers you the option of creating easy-to-interpret [copy previews](#) so that you get an optimal picture of the actions to be performed during a copy operation. All the [actions](#) to files and folders are conveniently displayed side by side in two [report windows](#). The actions of the folders and files can be checked and edited by you so that the copy operation goes as you intended.

Backup Scheduling

[AllSync Scheduler](#) enables you to automatically run copy operations by scheduling them. Various [timing options](#) are available for this purpose, e.g. *daily*, *weekly*, *monthly*, etc. AllSync Scheduler can also be installed as a [Windows service](#), thus enabling copy operations to be automatically run when no user is logged in to the system.

Filter Options

There are a wide variety of [filter](#) options available to you in AllSync for excluding files and folders from a copy operation by virtue of their path, name or properties.

Data Protection

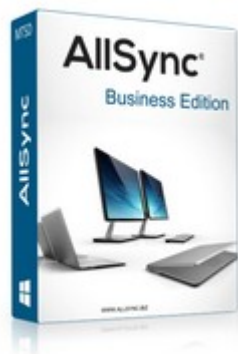
In the interest of [data protection](#) you can have all the files which are deleted, overwritten or moved by a copy operation first backed up to the Windows Recycle Bin or to a separate backup folder.

More Information

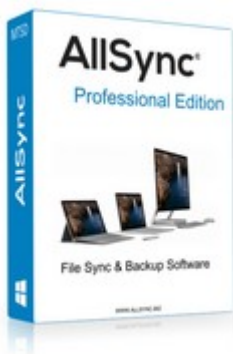
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AllSync Product Editions

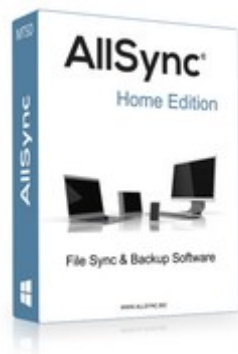
AllSync is available in the following product editions:



AllSync Business Edition



AllSync Professional Edition



AllSync Home Edition

The various product editions differ by virtue of their designated use, supported operating systems and number of [features](#).

Application

DESIGNATED USE	HOME	PROFESSIONAL	BUSINESS
Commercial/business/corporate	-	✓	✓
Private use at home by an individual	✓	✓	✓

The Home Edition of AllSync may only be installed on a user's private (non-business) computer at home and used for private (i.e. non-commercial) purposes. You need the Professional or Business Edition if you are using AllSync commercially.

Supported Operating Systems

The following table shows you what operating system a product edition may be used on.

OPERATING SYSTEM	HOME	PROFESSIONAL	BUSINESS
Windows 11	✓	✓	✓

OPERATING SYSTEM	HOME	PROFESSIONAL	BUSINESS
Windows 10	✓	✓	✓
Windows 8	✓	✓	✓
Windows 7	✓	✓	✓
Windows Server 2022	-	-	✓
Windows Server 2019	-	-	✓
Windows Server 2016	-	-	✓
Windows Server 2012	-	-	✓
Windows Server 2008 R2	-	-	✓

Exclusive Features of the Professional & Business Edition

The following [features](#) are available in the Professional or Business Edition only:

FEATURES	PROFESSIONAL	BUSINESS
Copy open files (Windows Volume Shadow Copy Service)	✓	✓
Automatic copy processes with the AllSync Scheduler	✓	✓
Change the storage location of AllSync application data	✓	✓
Automatically archive log files	✓	✓
Detailed logging of copy operations	✓	✓
Send log by e-mail after a copy process	✓	✓
Start external programs before and after a copy process	✓	✓
Start Visual Basic scripts before and after a copy process	✓	✓
Connect folders with a drive letter	✓	✓
Unlock encrypted drives (Bitlocker, TrueCrypt, VeraCrypt)	✓	✓
Verification check of the contents of files copied	✓	✓
ZIP compression for the profile property <i>Data Protection</i>	✓	✓

FEATURES	PROFESSIONAL	BUSINESS
Backup generations for the profile property <i>Data Protection</i>	✓	✓
Use ZIP compression methods Deflate64 and BWT in <i>Backup</i> copy mode	✓	✓
Automatically start profiles one after the other (Profile Chaining)	✓	✓
Check locked files with the File Lock Tool	✓	✓
Check and unzip ZIP files with the ZIP tool	✓	✓
Installation of AllSync Scheduler as a Windows service	-	✓
Send scheduler log via email	-	✓
Establish a dial-up connection to a remote computer	-	✓
Copy NTFS access permissions	-	✓
AES-256 bit ZIP encryption for copy mode <i>backup</i>	-	✓
Start and stop Windows services when running a copy process	-	✓

AllSync Features

- [Profiles](#)
- [Copy Modes](#)
- [Synching Folders](#)
- [Time- and Event-Driven Copy Operations](#)
- [Copy Preview](#)
- [Copy Options](#)
- [ZIP Data Compression](#)
- [Data Protection](#)
- [Filter Functions](#)
- [Copying Files and Folders](#)
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- [Command Line](#)
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Profiles

- All the [settings](#) required for a copy operation between two or more [folders](#) are stored by AllSync in a [profile](#).
- You can create as many profiles as you like and administer them in the [profile list](#).
- The [Profile Assistant](#) assists you in creating new profiles.
- Use [profile chaining](#) if you want to have several profiles automatically run in sequence.
- AllSync's [Shortcut Assistant](#) enables you to conveniently create shortcuts of your profiles on your desktop or in other folders, so you can initiate copy operations with mouse-click ease.

Copy Modes

- Various preconfigured [copy modes](#) are available for your copy tasks.
- A wide variety of [copy rules](#) enable you to adapt the various copy modes to your individual requirements.

Synching Folders

- AllSync recognizes when the same file on either side has been modified since the last [sync operation](#).
- AllSync recognizes when a file has been replaced with an older version since the last sync operation.
- AllSync recognizes when a file of the same name but with a different last modified date has been added on both sides since the last sync operation.
- AllSync recognizes when files and folders have been deleted, renamed or moved on one side since the last sync operation.

Time- and Event-Driven Copy Operations

- [AllSync Scheduler](#) enables you to automatically run profiles (time- and event-driven copy operations).
- AllSync Scheduler can also be installed as a [Windows service](#), thus enabling copy operations to be automatically run when no user is logged in to the system.
- You can have the logs [emailed](#) to you so that you are informed about the automatic copy operations performed by AllSync Scheduler.

Copy Preview

- AllSync offers you the option of creating easy-to-interpret [copy previews](#) of your profiles so that you get an optimal picture of the actions to be performed.
- The [actions](#) shown in the copy preview can be edited by you so that the copy operation goes as you intended.

Copy Options

- You can have external [programs](#) started upon initiating and completing a profile.
- You can run [Visual Basic scripts](#) upon initiating and completing a profile.
- When initiating a profile, you can connect a local directory or an enabled network folder using a [drive letter](#) during a copy operation and remove it afterwards.
- When initiating a profile, you can establish a [remote link](#) and have it disconnected when finished.
- You can pause, terminate and start various [Windows services](#) upon initiating and completing a profile.

ZIP Data Compression

- AllSync supports ZIP compression format, thus enabling space-saving [backup](#) of your data.
- Additional protection can be provided for ZIP files by employing AES (256-bit) encryption.
- AllSync supports various compression methods: Deflate, Deflate64 and BWT.
- ZIP files can also be split into several archives as needed.

Data Protection

- In the interest of [data protection](#) you can have all files which are deleted, moved or overwritten by a copy operation moved to a separate backup folder.
- Generations of backups: specify the maximum number of backup folders.
- Data compression: compress all the data of the backup folder into a single ZIP file.
- You also have the option of backing up data to the Windows Recycle Bin.

Filter Functions

- Entire folders or individual files can be [excluded](#) from a copy operation on the basis of their path.
- Various [wildcards](#) like '*' or '?' can be used.
- Folders and files can be additionally filtered according to their [properties](#), e.g. age, size or attributes.

Copying Files and Folders

- AllSync can process files and folders with a path length of up to 32,000 characters.
- AllSync is able to copy open files. See [Windows Volume Shadow Copy Service \(VSS\)](#).
- AllSync supports the copying of files and folders with Unicode characters in their name.
- AllSync can copy the [access permissions](#) of files and folders.
- The [attributes](#) of source and destination files can be modified after a file has been copied.
- The contents of files can be checked employing various [comparison methods](#), e.g. byte-by-byte, CRC32, MD5 or SHA, to determine whether they have been correctly copied.
- AllSync offers you various internal and external [copy methods](#) for files.

Logs

- AllSync offers you a variety of different log files so that you are always informed about all operations and actions performed.
- A separate [log file](#) is created for each profile.

Command Line

- AllSync can be invoked via the [command line](#) and controlled by way of various command-line parameters.

Miscellaneous

- The wide variety of [options](#) offered by AllSync enables it to be precision-customized to your requirements.
- AllSync supports the use of Windows [environment variables](#).
- AllSync offers you an informative [progress indicator](#) during a copy operation.
- With AllSync's [Internet-Update](#) you can be sure you are always running the latest version of AllSync.
- AllSync's application data can be [exported](#) and re-imported as needed.
- AllSync's dialog language and help are available in English and German.
- AllSync features a convenient [Manual](#) in CHM format that can be printed out.

AllSync - Practical Examples

Here are a number of practical examples showing you how you can use AllSync:

General

- [Synchronizing Two Computers](#)
- [Data Imaging \(1:1 copy\) between Two Computers](#)
- [Data Imaging of More Than One Computer in a Network](#)
- [Perform Data Backup and Automatically Shut Windows Down](#)
- [Archiving Old Data](#)
- [Data Backup into a ZIP File](#)

Automatic and Timer-Run Copy Operations

- [Daily Data Imaging](#)
- [Hourly Data Imaging](#)
- [Data Backup from Monday to Friday](#)
- [Sync Operation When Starting Windows](#)
- [Automatic Data Backup When Exiting Windows](#)
- [Data Backup When Connecting an External Hard Disk](#)
- [Data Mirroring When Modifying Work Files](#)
- [Data Synchronization via a Network Link](#)

Synchronizing Two Computers

Task:

You alternate between your desktop computer and your laptop. Various files and folders are created, modified and deleted on both computers. The changes on one computer are to be transferred to the other computer.

Solution:

AllSync recognizes where changes have occurred and synchronizes the data between your desktop and laptop so that the same data status is present on both computers.

Data Imaging (1:1 copy) between Two Computers

Task:

A mirror image of the data of one computer is to be made on another computer in the network.

Solution:

AllSync creates an exact copy of the data items on the other computer. In this case, changes are only made as needed on the destination machine, meaning the entire quantity of data is not recopied.

Data Imaging of More Than One Computer in a Network

Task:

A data image of several computers in the network is to be made on a backup server.

Solution:

AllSync creates an image on the backup server of the data currently present on each machine in the network.

Perform Data Backup and Automatically Shut Windows Down

Task:

After working at a computer the modified data is to be backed up and Windows automatically shut down.

Solution:

AllSync's [Shortcut Assistant](#) enables you to create a shortcut of your backup profile on the Windows desktop. This shortcut enables you to initiate data backup quickly and conveniently, and have Windows automatically shut down.

Archiving Old Data

Task:

Files of a certain age or older are to be automatically moved to the backup server in the network.

Solution:

AllSync moves all files of a certain age or older to the network backup server.

Data Backup into a ZIP File

Task:

Backup is to be done into a single ZIP file.

Solution:

AllSync compresses all files into one [ZIP file](#).

Daily Data Imaging

Task:

Data on a file server is to be replicated every day on a backup server in the background.

Solution:

[AllSync Scheduler](#) runs as a [service](#) on the file server and automatically starts data imaging at a specific time.

Hourly Data Imaging

Task:

The data on a file server is to be replicated on a backup server every hour.

Solution:

[AllSync Scheduler](#) initiates data imaging between the file server and the backup server every hour.

Data Backup from Monday to Friday

Task:

A backup is to be made every evening at 10 p.m. from Monday to Friday.

Solution:

[AllSync Scheduler](#) initiates data backup from Monday to Friday at 10 p.m.

Sync Operation When Starting Windows

Task:

When booting your computer its data status is to be synced with a server.

Solution:

[AllSync Scheduler](#) automatically initiates data syncing with the server when starting Windows.

Automatic Data Backup When Exiting Windows

Task:

The data of a machine is to be automatically backed up onto the backup server when shutting Windows down.

Solution:

[AllSync Scheduler](#) runs in the background and automatically backs up all data onto the backup server when shutting Windows down.

Data Backup When Connecting an External Hard Disk

Task:

Data backup is to be automatically run when connecting an external hard disk.

Solution:

[AllSync Scheduler](#) runs in the background and automatically initiates data backup as soon as the external hard disk is connected.

Automatic Data Backup When Modifying Work Files

Task:

Work data is to be backed up automatically upon a certain number of changes being made.

Solution:

[AllSync Scheduler](#) runs in the background and monitors the changes being made to your work data. A backup of the modified work data is automatically made upon a specified number of changes being reached.

Data Synchronization via a Network Link

Task:

Data synchronization is to be initiated as soon as a network link has been established to a particular computer.

Solution:

[AllSync Scheduler](#) runs in the background and automatically initiates data synchronization as soon as the network link to the computer has been established.

AllSync Demo Version

Restrictions of the Demo Version

The demo version poses the following restrictions as compared to the full version of AllSync:

- In the demo version you have only 2 copy profiles available to you for trying out all of AllSync's features. The full version of AllSync enables you to create as many profiles as you like and to rename and delete them at will.
- You cannot change the [location](#) where AllSync's application data is stored.
- The demo version will only run for 21 days; however, this can be extended as needed.

Changing the Product Edition

You can change the [product edition](#) of AllSync in the demo version at any time via the 'main menu'.

AllSync Licensing Model

Purchasing licenses for AllSync entitles you to install and use the software as provided for in the [License Agreement](#).

Number of Licenses

At least one license is required for each installation and user of AllSync, enabling him or her to transfer data between two devices with different IP addresses. 'Device' refers to a computer or NAS drive in a network, for example. The number of licenses has to be increased by 1 for each additional device with an individual IP address in the network with which data transfer takes place.

Examples:

- Data transfer between 2 devices in a network with different IP addresses = 1 license
- Data transfer between 3 devices in a network with different IP addresses = 2 licenses
- Data transfer between 4 devices in a network with different IP addresses = 3 licenses
- etc.

No additional licenses are required for data transfer between local and external storage media without a separate IP address of their own (e.g. hard drives, CD/DVD drives, USB devices, etc.).

The number of licenses used since starting AllSync is shown in the AllSync log pane after every copy operation. The internal license count (number of requisite licenses) is reset every time AllSync is started.

Private vs. Commercial Use

The [Home](#) Edition of AllSync may only be installed on a user's private (non-business) computer and used for private (i.e. non-commercial) purposes. If you are using AllSync commercially you need the [Professional](#) or [Business](#) Edition.

License Data

For private persons (non-commercial use), the name of licensee is designated by the user's first and last name. Example: John Brown

For companies, corporate groups or organizations, the licensee is designated by "Name of Company - Location", "Name of Company - Location - User's Name" or "Name of Company - Location - Computer Name". Examples:

- Acme, Inc. - New York
- Acme, Inc. - Los Angeles - John Brown
- "Acme GmbH - Berlin - Server001"

Examples of Licenses

Examples of 1 User and 1 Installation

Data transfer between 2 computers

Number of licenses required: 1

Data transfer between 3 computers

Number of licenses required: 2

Data transfer between 10 computers

Number of licenses required: 9

Examples for an installation on 3 servers

Data transfer between 2 computers using the 1st installation

Data transfer between 2 computers using the 2nd installation

Data transfer between 2 computers using the 3rd installation

Number of licenses required: 3 (1 + 1 + 1)

Data transfer between 3 computers using the 1st installation

Data transfer between 4 computers using the 2nd installation

Data transfer between 2 computers using the 3rd installation

Number of licenses required: 6 (2 + 3 + 1)

Data transfer between 5 computers using the 1st installation

Data transfer between 10 computers using the 2nd installation

Data transfer between 2 computers using the 3rd installation

Number of licenses required: 14 (4 + 9 + 1)

Examples of 3 Users and 3 Installations

Data transfer between 2 computers using the 1st installation

Data transfer between 2 computers using the 2nd installation

Data transfer between 2 computers using the 3rd installation

Number of licenses required: 3 (1 + 1 + 1)

Data transfer between 2 computers using the 1st installation

Data transfer between 4 computers using the 2nd installation

Data transfer between 6 computers using the 3rd installation

Number of licenses required: 9 (1 + 3 + 5)

Data transfer between 4 computers using the 1st installation

Data transfer between 5 computers using the 2nd installation

Data transfer between 10 computers using the 3rd installation

Number of licenses required: 16 (3 + 4 + 9)

Terms & Concepts

- Installations:

The number of computers on which AllSync is installed and used.

- Users:

The number of users using AllSync.

- Data transfer [#installation no.]:

The maximum number of devices featuring an individual IP address of their own between which data can be transferred using this installation.

- No. of licenses:

The number of licenses needed for using the software in this manner.

AllSync License Agreement

This License Agreement is a binding contract between you (whether a natural or legal entity) and MTSD for the software product designated above. By installing the software product you declare that you are letting yourself be bound by all the provisions of this License Agreement. If you do not agree with the conditions of the license agreement, you are not entitled to install or use the software product. Should this be the case, you can return the software product along with a copy of the invoice or receipt to the distributor from whom the product was purchased in exchange for a full refund. This software product is protected by copyright law and international treaties. Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under the law.

1. Subject Matter of the Agreement

The subject of this Agreement is the computer program and the manual, referred to hereinafter as the "Software". MTSD would like to point out that the present state of the art does not enable software to be created that can be run without any errors in all applications and combinations thereof. The subject of this Agreement is consequently only one software product that is fit for the purposes detailed in the description and the user manual.

2. Grant of License

For the duration of this Agreement, MTSD grants you the simple, non-exclusive and personal right (henceforth referred to as "license") to use a copy of the Software on a single computer. As a licensee, you may physically transfer the Software (i.e. saved on a data medium), on condition that it not be used on more than one computer at a time. Further use, especially repeated installation, use, and subsequent uninstallation on various computers (floating license) is prohibited.

2.1. Number of Licenses

At least one license is required for each user of AllSync. A license enables data transfer over a network between a maximum of two devices with a separate IP address (e.g. computer or NAS drive). The number of licenses has to be increased by 1 for each additional device with an individual IP address in the network with which data transfer takes place:

2.2. Installation and Use

2.2.1. Use of the Software by One Individual under This Agreement

The Licensee may install and use the Software on more than one computer provided that the Software is started on only one computer at any one time.

2.2.2. Use of the Software by More Than One Person under This Agreement

The Software may be installed and used by more than one person on different computers in accordance with the number of licenses specified in Section 2.1.

2.3. AllSync Home Edition

The Home Edition of AllSync may only be used for private (i.e. non-commercial) purposes. You need the Professional or Business Edition if you are using AllSync commercially.

2.4. AllSync Demo Version

You are entitled to test the demo version of the Software free of charge and without obligation for a period of 21 days. If you wish to continue using the Software after this 21-day period, you must purchase the relevant license.

3. Description of Further Rights and Restrictions

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7. Compensation for Breach of Contract

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8. Modifications and Updates

MTSD is entitled to update the software at any time as it shall see fit. MTSD is not obligated to make updated versions available to licensees who have not registered their product with MTSD, or who have not paid the update fee. Any additional software code that is made available to you as an update is considered part of the Software and is therefore subject to the terms of this Agreement.

9. Warranty and Liability of MTSD

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same right should the creation of software that is fundamentally fit for use as described in Section 1 not be feasible.

9.2. MTSD shall not be responsible for any damage, unless such damage is the result of willful acts or gross negligence on the part of MTSD. In contracts with merchants, an assumption of liability for gross negligence is excluded. This does not apply to assurances by MTSD for any warranted characteristics. No liability is assumed for incidental, special, indirect or consequential damage, including but not limited to loss of or non-realized profits, lost earnings, damage or loss as the result of data loss, damage or loss incurred by third parties, consequential damage such as damage to programs or data media.

MTSD

<https://www.AllSync.biz>

AllSync 4 Requirements

Operating System

AllSync is compatible with the following Windows versions (32/64-bit):

Microsoft Windows Server

- Microsoft Windows Server 2022
- Microsoft Windows Server 2019
- Microsoft Windows Server 2016
- Microsoft Windows Server 2012
- Microsoft Windows Server 2008 R2

Microsoft Windows Workstation

- Microsoft Windows 11
- Microsoft Windows 10
- Microsoft Windows 8
- Microsoft Windows 7

User Rights

To [install AllSync](#), you must have administrator rights.

Storage Media

AllSync supports all local and external storage media that can be accessed via a drive letter (e.g. C:\Data) or network path (e.g. \\Server\C\Data). In order for AllSync to be able to access the files on an FTP/Cloud server, software such as [NetDrive](#) must be installed, which makes the content of an FTP/Cloud server available via a local drive letter.

File System

AllSync supports all Windows file systems and the file systems of other operating systems providing they comply with Windows [naming conventions](#) for files and folders.

Network

If you want to use AllSync to transfer data between computers they have to be connected via a network link (Cable, Wi-Fi).

Setup and Update File

Setup File

The AllSync setup file contains all the files required to install AllSync for use under Windows. The setup file automatically updates an existing installation and makes all the program settings in keeping with the respective version.

Update File

The update file enables you to update an existing installation of AllSync. No program shortcuts are created or updated in the start menu or on the desktop. Your settings are automatically taken over.

Installation

To install AllSync, you must have administrator rights.

Info

When installing AllSync via the setup file or update file, no Windows system files are changed or new ones are added.

Installation File

The AllSync installation file supports the following command-line parameters:

PARAMETER	DESCRIPTION
/SP-	This causes the message "Installing AllSync ..." to be suppressed when launching the file.
/SILENT	This causes only the window showing installation progress to be displayed. Errors are displayed if they occur. If restarting the computer is necessary, this first has to be confirmed.
/VERYSILENT	This causes no window to be shown during installation. Errors are displayed if they occur. If restarting the computer is necessary, this is done without any confirmation.
/NORESTART	This causes restarting to be suppressed and not to be performed.

PARAMETER	DESCRIPTION
/NOCANCEL	This causes the user to be unable to cancel installation.
/DIR="x:\Directory"	Specifies the installation directory for AllSync.
/LANG=Language	This enables you to deactivate the language selection dialog during startup and to specify the language used during installation. The following language abbreviations are available: 'de' for German and 'en' for English.
/LOG	Generates a log file in the user's Windows temp directory containing detailed information about the installation operation.
/LOG="path/filename"	Generates a file in the folder specified containing detailed information about the installation operation.

Example:

AllSyncSetupDemo.exe /SP- /SILENT /NOCANCEL /DIR="c:\AllSync" /LANG=en

Licenses

Entering the License Key

When launching the full version of AllSync for the first time after newly [installing](#) it you are prompted to enter the license key. **The license key is case-sensitive, meaning a distinction is made between uppercase and lowercase letters when making entries.**


Update existing license

1. Stop the [AllSync Scheduler Service](#) and close the [AllSync Scheduler](#) and the [AllSync Service Tool](#) before entering new license data.
2. Start AllSync and open the *About* window. (Menubar -> Help -> About)
3. Click on the small '**Modify License**' button near the license that is displayed.
4. Enter the new license data.

Automating and Distributing Licenses

- The license data can be registered without the user interface using the command line parameter [-l](#).
- With the Windows function [Active Setup](#), you have the option of automating the entry of license data for different users.

Windows Active Setup

[Active Setup](#)  is a mechanism for executing commands once per user early during logon. Active Setup is used by some operating system components like Internet Explorer to set up an initial configuration for new users logging on for the first time.

Active Setup is also used in some corporations software distribution systems to create an initial customized user environment. To understand why such a mechanism is necessary we need to take a step back.

Application programs use two different types of data: machine-specific data like the files in the installation directory, and user-specific data like the information which document a user last edited with the application. Installing machine-specific data is simple: just copy it to '**C:\Program Files**' and '**HKEY_LOCAL_MACHINE**' and you are done. But how to get an initial user configuration into a user profile? Writing into the profile of the user doing the install does not help because we need the initial configuration for all users logging on to the system.

One solution to this problem is Active Setup. It uses both machine-specific data and user-specific data. The machine part consists of a list of components identified by a GUID each. The user part is basically a mirror of the machine data, but, and this is the key point, it does not exist in new user profiles. Whenever a user logs on, Active Setup checks if each machine part component GUID is present in the user part. If not, the components command is executed and the components GUID is stored in the user part. If it is, the current user profile has already been initialized and no further action is required.

Active Setup runs before the Desktop appears. Commands started by Active Setup run synchronously, blocking the logon while they are executing. Active Setup is executed before any Run or RunOnce registry entries are evaluated.

How can I transfer AllSync to another computer?

Example scenario: You use AllSync on a desktop PC and want to move to your new laptop with the software and all settings:

1. Quit all AllSync program instances on the desktop PC: AllSync, Scheduler, Scheduler Service and Service Tool.
2. Create a full [data backup](#) of AllSync and copy the backup file to the new laptop.
3. Uninstall AllSync on the desktop PC.
4. Install AllSync on the new laptop.
5. Start AllSync and [import](#) the data backup.

Basic Terms and Concepts

A number of basic terms and concepts are explained here which are used in the AllSync manual:

- [Actions](#)
- [AllSync Scheduler](#)
- [AllSync Service Tool](#)
- [Dragging & Dropping](#)
- [Context Menu](#)
- [Copy Mode](#)
- [Copy Operation](#)
- [Copy Preview](#)
- [Process Copy Preview](#)
- [Profiles](#)
- [Profile Properties](#)
- [Profile List](#)
- [Source and Destination Folders](#)
- [Report Window](#)
- [Operation \(Copy Processes\)](#)

Actions

Actions refer to copying, deleting or filtering files or folders. The actions are indicated in the [report](#) via various [icons](#).

AllSync Scheduler

[AllSync Scheduler](#) enables you to automatically run [profiles](#) by [scheduling](#) them.

AllSync Service Tool

The [AllSync Service Tool](#) enables you to install [AllSync Scheduler](#) as a Windows service.

Dragging & Dropping

This is done as follows: Left-click on an object (place the mouse cursor on the object followed by pressing the left mouse button) and keep the mouse button pressed. Next drag the object onto another object, followed by releasing the mouse button.

Context Menu

The context menu offers actions in keeping with the respective object and can be accessed by right-clicking the object (clicking on it using the right mouse button).

Copy Mode

The [copy mode](#) determines in which direction the folders and files are copied from the [source and destination folder](#) and the [copy rules](#) applied in the process.

Copy Operation

In a copy operation, all the files and folders in the [source and destination folders](#) are processed on the basis of the [profile properties](#).

Copy Preview

A copy preview causes the contents of the [source and destination folder](#) to be read and rendered in the [report](#) along with the file and folder actions to be performed.

Process Copy Preview

This causes all the [actions](#) of files and folders indicated in the [report](#) to be performed.

Profiles

All the [settings](#) required for a copy operation between the [source and destination folders](#) are stored by AllSync in a [profile](#).

Profile Properties

[profile properties](#) comprise all the settings for a copy operation between two [folders](#).

Profile List

The [profile list](#) contains all the profiles set up by you and enables them to be sorted in various folders according to project.

Source and Destination Folders

The [source and destination folders](#) designate the folders between which a copy operation is to be performed.

Report Window

The file and folder actions are rendered in the [report window](#) in a convenient easy-to-read manner.

Operation (Copy Processes)

An operation refers to a copy operation (copying), copy preview or the processing of a copy preview.

Important Information

- Do not use original data when you are trying out the various settings of AllSync.
- Never directly start a copy operation when you have just made changes to the [properties](#) of a [profile](#). Always create a copy preview first in order to verify your settings.
- Activate the backup folder option in [Data Protection](#) to avoid losing any data.
- Activate the option [Check source and destination folder for availability](#) when the [source or destination folder](#) is located on another computer in the network.

Synching/Backup Tutorials

Here you will find various tutorials for different copying tasks:

- [Synchronization of 2 Folders](#)
- [Data Backup with File Versioning](#)
- [Data Imaging](#)
- [Data Archiving](#)
- [Consecutive Complete Backups](#)
- [Consecutive Partial \(Incremental\) Backups](#)
- [Reverse Incremental Backups](#)
- [Consecutive Partial \(Differential\) Backups](#)
- [Consecutive Partial \(Differential\) Backup with Hard Links](#)
- [Copying an Individual File](#)
- [Data Imaging on an FTP Server](#)
- [Verify if the content of two folders is equal](#)
- [How to trigger a copy run when connecting a USB stick](#)
- [Securely delete files from a source folder](#)
- [Securely delete files from a source folder using the tool SDelete](#)
- [Backup files to OneDrive](#)
- [Backup files from your smartphone](#)
- [Restore files from a backup](#)
- [Synchronize files between Android phone and computer](#)

Using This Manual

Making a Printout

The manual can be printed in its entirety or in part. To make a printout, click on a topic on the **'Content'** tab in the menu window, followed by clicking on the **'Print'** button on the toolbar.

Searching the Manual

The **'Search'** tab enables you to search the entire manual for certain expressions.

Favorites

The **'Favorites'** tab enables you to bookmark frequently used help topics.

Can't find the information you're looking for?

Is a description missing for a feature? Tell us by sending an e-mail to support@mtsd.de.

AllSync Menu Bar

- [File](#)
- [Profile](#)
- [View](#)
- [Tools](#)
- [Language](#)
- [Internet](#)
- [Help](#)

File

Application Data Backup

Create and restore an AllSync [application data backup](#).

Scheduler

Launches [AllSync Scheduler](#).

Service Tool

Launches [AllSync Service Tool](#).

Exit

Shuts AllSync down.

Profile

New Profile

Creates a new [profile](#).

Start Copying

Starts a [copy operation](#) of all the profiles activated in the [profile list](#).

Create Copy Preview

Creates a [copy_preview](#) of all the profiles activated in the [profile list](#).

Profile Chaining

Enables you to change the [profile chaining](#).

Shortcut Assistant

The [Shortcut Assistant](#) enables you to create shortcuts of your profiles.

View

Main Menu

Shows the 'main menu'.

Report Window

Shows the [report window](#).

QuickSync

Displays [QuickSync](#).

Log Manager

Show [Log Manager](#).

Profile List

Shows the [profile list](#).

Report legend

Shows the [report legend](#).

Dark Mode

Dark mode allows you to change the appearance of the interface from light to dark.

Tools

Hot Keys

Enables you to specify [hot keys](#) for commands at menu bars and toolbars.

Speed-Test

Enables you to test the speed of the [Copy Methods](#).

File Lock Tool

With the [File Lock Tool](#) you can check which process is blocking access to a file.

ZIP-Tool

The [ZIP-Tool](#) enables you to check, unpack or list the content of your created ZIP files.

Environment Variables

Shows the Windows [environment variables](#).

Import Profiles from AllSync Version 2 or 3

Enables you to [import](#) profiles from AllSync Version 2 or 3.

Options

Shows the general [options](#) of AllSync.

Language

Deutsch, English

Restarts AllSync with the selected language.

Create language file 'lang.txt'

Creates a copy of the English language file '[lang_eng.txt](#)' with the file name '[lang.txt](#)'.

Use language file 'lang.txt'

Restarts AllSync and uses the language file '[lang.txt](#)'.


Open language file 'lang.txt'

This command opens the language file '[lang.txt](#)' to edit the content.

Open folder 'lang'

Opens the folder 'lang' containing the language files.

Information

Opens the website with information about [translating AllSync](#) .

Restart AllSync


This command enables you to restart AllSync to view your changes made at the language file.

Internet

AllSync Website

Opens the [AllSync](#)  website with your internet browser.

Customer Download Area

Enables registered users to log in directly to the [Customer Download Area](#)  at the internet.

AllSync Support Forum

This will bring up the AllSync [support forum](#)  with your internet browser.

AllSync Internet-Update

The [Internet-Update](#) enables you to check for a newer version of AllSync.

Order AllSync

This will provide you with information on [ordering](#) licenses for the AllSync software.

Help

Manual

This will show up the AllSync [help](#) file.

Step-by-Step Instructions

This opens the help file with the step-by-step [instructions](#).

Important Information

This will show you important [information](#) for using the AllSync software.

About

This will show you information about the AllSync software.

Profile List

The profile list contains all the [profiles](#) available that can be used for initiating a copy operation. Each profile can be activated for a copy operation as needed via the checkbox before its name.

You can create new folders and profiles and sort them in various folders according to project via the menu bar or context menu of the profile list. The profiles and folders can also be moved and copied within the profile list by [dragging and dropping](#) them.

All profiles and folders are stored on the hard disk in the '**Profiles**' subfolder of AllSync's [Application Data](#) folder.

- [Menu Bar](#)
- [Contextmenu](#)
- [Keyboard Shortcuts](#)
- [Search](#)

Menu Bar

Action

- Create [Copy Preview](#)
- Create Copy Preview (Without Profile Chaining)
- Create Copy Preview (Without Any Actions)
- Start Copying
- Start Copying (Without Profile Chaining)

Profile

- Create New [Profile](#)
- Create New Profile Using [Assistant](#)
- Edit [Template](#) For New Profiles
- Edit [Profile Properties](#)
- Rename Profile
- Copy Profile

- Delete Profile
- Show Profile Log
- Create Profile [Shortcut](#)
- Edit [Profile Chain](#)

Folder

- Create New Folder
- Rename Folder
- Delete Folder
- Expand All Folders
- Collapse All Folders
- Expand All Folders Containing Activated Profiles

List

- Optimize Column Width
- Show Column 'Copy Mode'
- Show Column 'Last Run'
- Show Column 'Notes'
- Grid lines
- Reload Profile List
- Options

Contextmenu

Profil

- Edit [Profile Properties](#)
- Rename Profile
- Copy Profile
- Delete Profile
- Show Profile Log
- Create Profile [Shortcut](#)
- Edit [Profile Chain](#)

- Create Screenshots of all Profile Properties

This menu command opens the profile properties and takes a screenshot of each menu item in the left menu. The screenshots can be created in BMP, JPG and PNG graphic formats. Make sure the profile properties window is large enough so that all options are visible in the screenshots.

- Open Profile Folder

This menu command opens the profile folder with the Windows Explorer.

Folder

- Create New Folder
- Rename Folder
- Delete Folder
- Create Screenshots of the Profile Properties from all Profiles

This menu command creates screenshots of the profile properties of all profiles in the selected folder and of all profiles in expanded subfolders.

- Open Folder

This menu command opens the folder with the Windows Explorer.

Keyboard Shortcuts

Copy preview:

- To create a copy preview of a profile, hold down the CTRL key while left-clicking on the profile.
- To create a copy preview of all the profiles in a folder, hold down the CTRL key while left-clicking on the profile folder.

Copying:

- To start a copy operation of a *profile*, hold down the ALT key while left-clicking on the *profile*.
- To start a copy operation of *all the profiles in a folder*, hold down the ALT key while left-clicking on the *profile folder*.

Copying a profile:

- You can copy a profile by holding down the CTRL key and using the left mouse button to drag the profile to a folder and release the mouse button.

Search

This allows you to search the profiles in the profile list for specific text. The following profile properties can be searched:

- Profile Name
- [Profile Notes](#)
- [Source and Destination Folders](#)
- [Filter Texts](#)

The following options can be used to customize the search in the profile list:

- Case Sensitive
The case of the search text and the profile property must match.
- Match Whole Words
This requires that the search text completely matches the text of a profile property.
- Continue at the beginning when reaching the end

Import Profiles from Previous Versions

The *Import Assistant* enables you to import your profiles from AllSync version 2 or 3. The *Import Assistant* can be called up via the AllSync [menu bar](#) under the menu item 'Tools'.

Notes

- AllSync 2: the profiles to be imported have to be saved with AllSync 2.7.60 or higher.
- AllSync 3: the profiles to be imported have to be saved with AllSync 3.5.134 or higher.
- If you want to import profiles from a version 2 or 3 [data backup](#), you must first unzip the data backup ZIP file into a folder and then manually select the Profiles folder.
- All profiles must be imported into the same folder at the profile list as before when using the profile property [Profile Chaining](#). Otherwise, you have to manually set up the profile chaining for each profile again.
- For reasons of security, check all [settings](#) of the imported profiles before you use them for a copy operation.

Location of the Profiles

The profile folder of version 2 or 3 is set here. AllSync attempts to automatically determine the location of the Version 2 or 3 Profiles folder upon startup. Otherwise, you will have to manually select the Profiles folder if it could not be determined.

Profile List

The list shows you all profiles found inside the specified location including their folder structure. Each profile can be activated for the import operation as needed via the checkbox before its name.

Options

Import profiles into a new subfolder at the profile list

Enabling this option will create a new subfolder at the [profile list](#) and import all profiles including their own folder structure into the new subfolder. This ensures that profiles with the same name will not be overwritten.

Rename profile to be imported if already exist

Using this option will rename a profile to be imported if a profile with the same name already exists. Example: 'Backup' -> 'Backup (1)'

Overwrite existing profiles

Enabling this option will overwrite existing profiles with the same name.

Import

The button 'Import' enables you to import all activated profiles from the list above into the main [profile list](#).

Profiles

All the settings required for a copy operation between a [source and destination folder](#) are stored in a profile. You can create as many profiles as you like and administer them in the [profile list](#). [Profile properties](#) enable you to enter the settings required for a copy operation.

Minimal Requirements

To perform a copy operation, all you need to do at minimum is specify a [copy mode](#) and select a [source and destination folder](#).

Profile Template

This enables the standard settings for the profile properties to be specified that are automatically applied when creating a new profile. This is enabled providing the profile option [Use profile template when creating new profiles](#) is activated.

Profile Assistant

The [Profile Assistant](#) assists you in creating new profiles. It is available if the profile option [Show Profile Assistant when creating new profiles](#) has been enabled.

Timer-Run Initiation of Profiles

[AllSync Scheduler](#) enables profiles to be scheduled and run automatically.

Creating Shortcuts

The [Shortcut Assistant](#) enables you to conveniently create shortcuts of your profiles on your desktop or in other folders, so you can initiate copy operations with mouse-click ease.

Profile Chaining

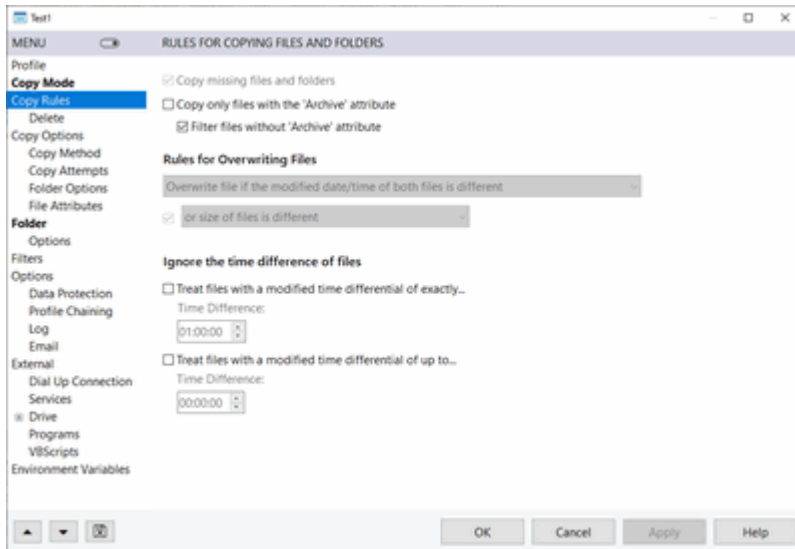
[Profile chaining](#) enables you to concatenate several profiles so that they are automatically consecutively run in a specific sequence.

Storage Location of Profiles

All profiles are stored in the **'Profiles'** subfolder of the [Application Data](#) folder.

Profile Properties

The profile properties comprise all the settings for a [copy operation](#) between two folders. Note that depending on your [product edition of AllSync](#) certain settings are not available.



Menu

All the settings of the profile properties are divided into several groups which are shown at the left menu. Depending on your [product edition of AllSync](#) and the selected [copy mode](#) different groups are displayed at the menu.

Expert View

Below the left menu you can activate the '**Expert view**' option and display additional menu items. All menu items that are only shown in the expert view are marked with an asterisk (*) further down in the menu list.

Menu List

- [Info](#)
- [copy modes](#)
 - [User Defined](#)
 - Synchronize
 - [File Conflict](#)
 - [Structure Conflict](#)

- [Master](#)
- [Reference File](#)
- Backup
 - [Backup Options](#)
 - [Data Compression](#)
- [Copy Rules](#)
 - [Delete](#)
- [Copy Options](#)
 - [Copy Method](#) *
 - [Copy Attempts](#) *
 - [Folder Options](#) *
 - [File Attributes](#) *
- [Folders](#)
 - [Options](#)
- [Filters](#) *
- Options
 - [General](#)
 - [Data Protection](#)
 - [E-Mail](#) *
 - [Copy Preview](#) *
 - [Profile Chaining](#) *
 - [Log](#) *
- [External](#) *
 - [Remote Access](#) *
 - [Services](#) *
 - [Drives](#) *
 - [Programs](#) *
 - [VB Scripts](#) *
- [Windows Environment Variables](#)

Profile Info

Profile

File name

The file name of the profile is displayed here.

Folder

The folder is displayed here where the profile file is stored.

Icon

Here you can specify an icon for the profile, which is then shown in the [profile list](#) before the profile name.

Notes

Here you enter key information on the [profile](#). The profile notes can be viewed via the 'Info' button when the profile is started via the [command-line](#) option -s.

Scheduler

All [Scheduler tasks](#) for which the profile is activated are listed here.

Copy Modes

- [Copy Modes](#)
- [Copying Direction](#)
- [Templates for Copy Operations](#)

AllSync offers you 6 copy modes that can be adapted as needed via various [copy options](#):

- [1:1 copy](#)
- [Update](#)
- [User-defined](#)
- [Sync](#)
- [Populate](#)
- [Backup](#)

1:1 copy

This copy mode causes an exact copy of the contents of the source folder to be created in the [destination folder](#).

- All source files with a MODIFIED DATE differing from that of the file of the same name in the destination folder are copied.
- All source files with a FILE SIZE differing from that of the file of the same name in the destination folder are copied.
- All files and folders are copied from the SOURCE folder to the DESTINATION folder if they are not present there.
- All files and folders at the destination are deleted if they are not present at the source.
- No folders or files are created, deleted or overwritten at the source.

Update

This copy mode causes only new and modified items to be copied from the source folder to the destination folder.

- All source files with a MODIFIED DATE differing from that of the file of the same name in the destination folder are copied.

- All source files with a FILE SIZE differing from that of the file of the same name in the destination folder are copied.
- All files and folders are copied from the SOURCE folder to the DESTINATION folder if they are not present there.
- No folders or files are deleted in the destination folder.
- No folders or files are created, deleted or overwritten at the source.

User-defined

This copy mode enables folders and files to be copied or moved from the source folder to the destination folder.

- In contrast to '1:1 copy' mode, the [copy rules](#) can be individually specified.
- Source files can be compressed into a ZIP file at the destination.
- Source files can be moved to the destination folder.
- No folders or files can be created or overwritten in the source folder.

Sync

This copy mode causes the contents of the [source and destination folders](#) to be synced so that the same items are contained in both.

- All SOURCE folder items with a modified date that is more current than that of the file of the same name in the DESTINATION folder are copied.
- All DESTINATION folder items with a modified date that is more current than that of the file of the same name in the SOURCE folder are copied.
- All files and folders are copied from the SOURCE folder to the DESTINATION folder if they are not present there.
- All files and folders are copied from the DESTINATION folder to the SOURCE folder if they are not present there.
- All files and folders at the SOURCE can be deleted if they have been deleted at the DESTINATION since the last copy operation. See [Structure Conflict](#) option.
- All files and folders at the DESTINATION can be deleted if they have been deleted at the SOURCE since the last copy operation. See [Structure Conflict](#) option.
- You have the option of various actions when the same file at the source and destination has been changed since the last copy operation. See the [File Conflict](#) option.

- All files and folders at the destination can be deleted if they are not present at the source.
See [Master](#) option.
- All files and folders at the source can be deleted if they are not present at the destination.
See [Master](#) option.

Populate

This copy mode causes the contents between the [source and destination folder](#) to be synced for non-existent files.

- All files and folders are copied from the SOURCE folder to the DESTINATION folder if they are not present there.
- All files and folders are copied from the DESTINATION folder to the SOURCE folder if they are not present there.
- No folders or files are deleted or overwritten in the source or destination folders.

Backup

This copy mode causes the contents of the source folder to be copied to a [backup folder](#) in the destination folder.

- Backup ([copy rules](#)) can be individually specified as needed.
- Backup can be made to a new backup folder during every copy operation.
- The items of the destination folder can be backed up into a [ZIP file](#).
- The maximum number of backups can be specified by using the option [Backup Generations](#).

Copying Direction

The picture shows the direction(s) in which the items are copied for the selected copy mode.

Templates for Copy Operations

This option enables you to automatically make all the requisite profile settings for a specific copy operation. To do this, select a template, followed by clicking on the 'Apply' button.

Copy Mode User-Defined

The following options are available when using the copy mode user-defined:


- [Save all source files at the destination folder without their folder structure](#)
- [Store source file as compressed ZIP file at destination](#)

Save all source files at the destination folder without their folder structure

This causes all source files to be saved at the destination folder without their folder structure.

For example, the source file 'C:\Data\Office\info.txt' will be copied to the destination folder 'D:\Data\' and NOT into the subfolder 'D:\Data\Office\'.

Store source file as compressed ZIP file at destination

This causes a source file being copied to be stored as a compressed [ZIP](#)  file at the destination.

Example: Data.doc -> Data.doc.zip

Compression





This option enables you to specify the compression to be used for the files being backed up. The following compression levels are available:

- None
- Fast
- Normal (default setting)
- Maximum

The higher the compression, the longer it takes for the ZIP file to be created. The 'None' option causes items to be zipped without being compressed.

Compression method

The following compression methods are available:

- [Deflate](#) 
- [Deflate64](#) 
- [BWT](#) 
- [LZMA](#) 

'Deflate' is the default compression method of the general ZIP format supported by many other programs. In comparison to 'Deflate', 'Deflate64' and 'BWT' enable a higher degree of compression to be achieved, however, they aren't supported by all programs.

Encryption

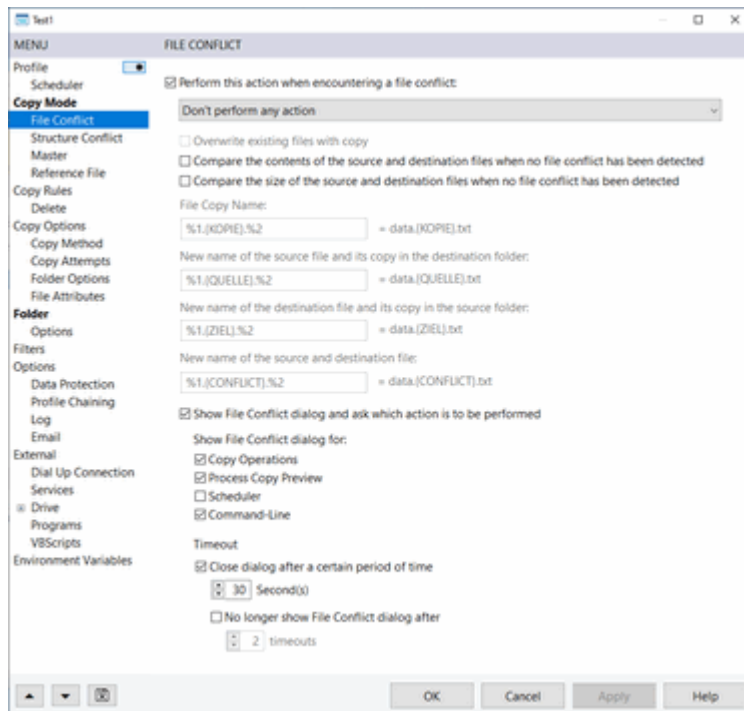
This option enables you to password-protect the ZIP file against unauthorized access. The following encryption methods are available:

- Standard Zip 2.0
- AES 256-bit

Using the AES encryption method is advisable as it provides a much higher degree of security than conventional Zip 2.0 encryption.

File Conflict

With this option, AllSync can detect various file conflicts in the [Sync](#) copy mode for files with the same name in the source and destination folders.



- [Actions](#)
- [Placeholders](#)
- [Options](#)
- [File Conflict Dialog](#)

AllSync can recognize the following differences when dealing with files with the same name:

- The size of the files is different.
- The files possess a different modified date since the last sync operation.
- The contents of two files are different (optional).
- The files possess a different modified date and have been added since the last sync operation.
- The source or destination file has been replaced by an older file.
- The source file has been replaced by an older file and the destination file has been modified since the last sync operation.
- The destination file has been replaced by an older file and the source file has been modified since the last sync operation.

After a copy operation AllSync stores a list of all files and folders inside a [reference file](#) to detect a file conflict when running the next sync operation.

Actions

These actions are available to you for dealing with a file conflict:

- [Don't perform any action](#)
- [Always copy the source file](#)
- [Always copy the destination file](#)
- [Create a copy of both files in the folder on the other side](#)
- [Rename source and destination file and create copy in the folder on the other side](#)
- [Rename source and destination file](#)

Don't perform any action

This option causes neither of the two files to be copied. Optionally, you can display a [File Conflict dialog](#) and choose what action is to be performed. The option '**Timeout**' enables you to specify the number of seconds after which the File Conflict dialog is automatically closed and no action is performed. You can also specify the number of timeouts after which the File Conflict dialog is to no longer be displayed.

Always copy the source file

Always copy the source file over the destination file.

Always copy the destination file

Always copy the destination file over the source file.

Create a copy of both files in the folder on the other side

This option causes a duplicate of the source and destination file to be created in the folder on the other side. The name of the file copies can be customized by using different [placeholders](#). After a copy operation you will get the following results when the format expression '%1.
{COPY}%.2' was specified for the name of the copies:

SOURCE	DESTINATION
data.txt	data.txt
data.{COPY}.txt	data.{COPY}.txt

The source file 'data.txt' was copied with the name 'data.{COPY}.txt' to the destination folder and the destination file 'data.txt' was copied with the name 'data.{COPY}.txt' to the source folder.

Rename source and destination file and create copy in the folder on the other side

This option causes the source and destination files to be renamed and a duplicate to be created of each in the folder on the other side. The new file names can be customized by using different [placeholders](#). After a copy operation you will get the following results when the format expressions '%1.{SOURCE}.%2' and '%1.{DESTINATION}.%2' are specified for the new file names:

SOURCE	DESTINATION
data.{SOURCE}.txt	data.{SOURCE}.txt
data.{DESTINATION}.txt	data.{DESTINATION}.txt

The source file 'data.txt' was renamed to 'data.{SOURCE}.txt' and copied to the destination folder and the destination file 'data.txt' was renamed to 'data.{DESTINATION}.txt' and copied to the source folder.

Rename source and destination file

This option enables the source and destination files to be renamed. The new file names can be customized by using different [placeholders](#). After a copy operation you will get the following results when the format expression '%1.{CONFLICT}.%2' was specified for the new file name:

SOURCE	DESTINATION
data.{CONFLICT}.txt	data.{CONFLICT}.txt

The source and destination file 'data.txt' was renamed to 'data.{CONFLICT}.txt'.

Placeholders

The following placeholders can be used in file names:

- %1 = file name without any extension
- %2 = data extension without leading dot
- [Windows environment variables](#)

Options

Overwrite existing files with copy

This option enables you to specify that a file having the same name as the copy to be created is always overwritten.

Compare the contents of the source and destination files when no file conflict has been detected

This option enables the contents of two files to be compared as needed. A comparison of the contents is conducted only if no file conflict was detected beforehand. For other settings for comparing the contents of two files, see Copy Options - [Content Comparison Method](#).

Compare the file size of the source and destination files when no file conflict has been detected

This option enables the file size of two files to be compared as needed. A comparison of the file size is conducted only if no file conflict was detected beforehand.

File Conflict Dialog

The File Conflict dialog enables various actions to be performed during a copy operation in the event that a [file conflict](#) is encountered.

File

The name and folder of the source and destination file are shown here.

Info

A description of the file conflict is given here. In addition, various items pertaining to the source and destination file are shown in a table.

What action is to be performed?

This enables you to specify which action is to be performed for this file conflict. The following actions are available:

- Dont copy anything
- Copy source file
- Copy destination file
- Create copies
- Rename source and destination file and create copies
- Rename source and destination file
- Copy the newest file

If there are other conflicts, don't ask any more and always perform last action

This option causes the File Conflict dialog to not be displayed for the remainder of the copy operation and the action last selected by you to be performed.

Structure Conflict

This option enables you to prevent files and folders from being recreated when they have been deleted, moved or renamed at the source or destination since the last sync operation. This option causes any files or folders of the same name on the other side to be automatically deleted providing they have not changed since the last sync operation. Otherwise, they are recreated in the folder on the other side. After a copy operation AllSync stores a list of all files and folders inside a [reference file](#) to detect a structure conflict when running the next sync operation.

Structure conflict detection can be individually activated for files and folders and additionally limited to the contents of source or destination folders:

- Source + Destination

When a file has been deleted in the source or destination folder, this same file is also deleted in the folder on the other side as well.

- Source

When a file has been deleted in the destination folder, this same file is also deleted in the source folder as well. When a file has been deleted in the source folder, this same file is NOT deleted in the destination folder and is recopied to the source folder.

- Destination

When a file has been deleted in the source folder, this same file is also deleted in the destination folder as well. When a file has been deleted in the destination folder, this same file is NOT deleted in the source folder and is recopied to the destination folder.

Master for Deleting Files and Folders

This option enables all files and folders to be deleted that aren't present in the specified master folder.

Master

- Source
This causes all items to be deleted at the destination that aren't present at the source
- Destination
This causes all items to be deleted at the source that aren't present at the destination
- Source + Destination
This causes all items to be deleted at the destination that aren't present at the source and all items to be deleted at the source that aren't present at the destination

Use for

This option enables you to specify which items are to be deleted:

- Files + Folders
- Files
- Folders

Reference File

A reference file will be created when using the copy mode [Sync](#) with the option [File Conflict](#) or [Structure Conflict](#). The reference file contains a list of all files and folders from the last sync operation and will be used to detect file and structure conflicts. The reference file will be imported before a sync operation, updated during a copy operation and stored again at the end of the copy operation. File and structure conflicts can't be detected unless you have performed at least one copy operation using the profile. The reference file can be deleted as needed using the **'Delete Reference File'** button.

Important Note

The reference list can also be used if there are several source or destination folders, but each folder may only be used once in the list:

FOLDER PAIR	SOURCE FOLDER		DESTINATION FOLDER
1	C:\Data1	<->	R:\Data1
2	C:\Data2	<->	R:\Data2
3	C:\Data3	<->	R:\Data3

The following folder constellation must not be used, since the reference data of the files in the source folder C:\Data1 are overwritten again with each pair of folders and the data synchronization is carried out incorrectly as a result:

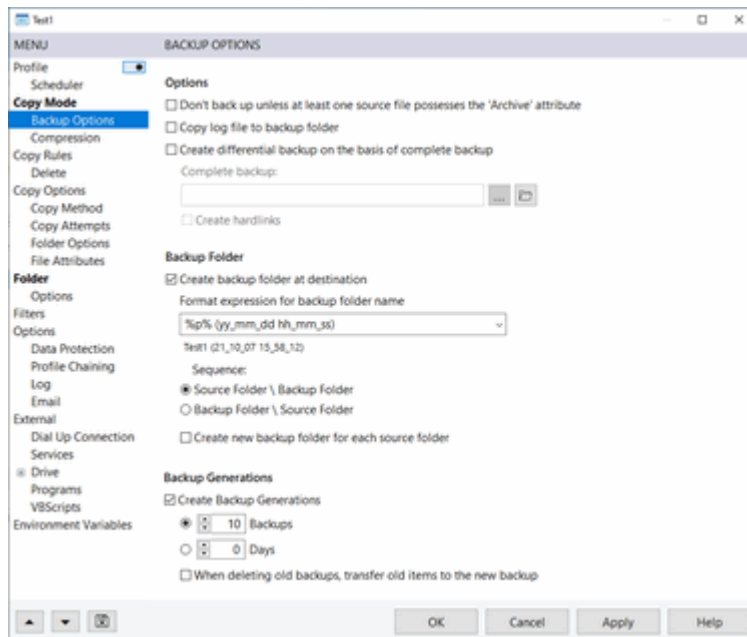
FOLDER PAIR	SOURCE FOLDER		DESTINATION FOLDER
1	C:\Data1	<->	R:\Data1
2	C:\Data1	<->	R:\Data2
3	C:\Data1	<->	R:\Data3

Solution: The folder pairs must be divided into 3 profiles so that the content of the reference list is saved correctly for each folder pair.

Tip: Use [profile chaining](#) if you always want to start the 3 split profiles automatically one after the other in the same order.

Backup Options

Here you can specify various options for [Backup](#) copy mode.



- [Options](#)
- [Create backup folder at destination](#)
- [Generations of backups to be created](#)

Options

Don't back up unless at least one source file possesses the 'Archive' attribute

This option causes a backup to be made only if a file with the 'Archive' attribute is found in one of the source folders.


Create differential backup on the basis of complete backup

This option causes a comparison to be performed between the source folder and a complete backup in the destination folder. All files in the source folder which have changed or been added as compared to the complete backup are copied to the new backup folder. This option will not work properly unless the backup folder is empty.

The [placeholder for date and time](#) can be used specifying the path to the complete backup. Every placeholder has to be enclosed with the percent sign (%) so that it is correctly interpreted. Examples:

- "C:\Full Backup\Week%ww%"
- "C:\Full Backup\%yyyy%%mm%"

Create hard links

This option causes [hard links](#)  to be created of all the files of the complete backup in the backup folder that have not changed in the source folder. The advantage of this is that every copy operation enables you to obtain another complete backup of the source folder without having to recopy the same files of the full backup. Creating hard links is not possible unless the full backup and the backup folder are located in the same NTFS partition.

Copy log file to backup folder

This option causes the log of the copy operation to be copied to the backup folder.

Create backup folder at destination

This option causes a new backup folder to be created in the destination directory into which the files/folders are copied. You can also specify the sequence for creating a backup folder if you activate the [Create source folder in destination folder](#) option for the [source and destination folders](#).

Name of Backup Folder

The name of the backup folder is determined via the *Format expression* field. The following placeholders can be used in the name:

PLACEHOLDERS	DESCRIPTION
%P%	Profile name
%S%	Last folder name of source path
%KW%	German calendar week according to DIN 1355
Format characters	Date and Time
Environment variables	Windows variables

If you want to use normal text, it has to be inserted in double quotes so that it isn't incorrectly interpreted as a placeholder for date and time.

Formatting examples:

FORMAT EXPRESSION	RESULT
"%P%" (yy_mm_dd hh_nn_ss)	PROFILE NAME (01_12_24 16_10_08)
{yy-mm-dd hh-nn-ss} "%P%"	{01-12-24 16-10-08} profile name
"Backup of %p% on" yyyy-mm-dd "at" hh_nn_ss	Backup of PROFILE NAME on 2001-11-12 at 10_15_00
"Backup" dddd	Backup Monday
"Backup %KW%.week" dd.mm.yyyy	Backup 32.week 08.08.2005

Generations of backups to be created


This option enables the number of backups to be limited. You have the option of specifying the maximum number of backups or a period in days. When starting a copy operation, old backups to be deleted are determined via their creation date.

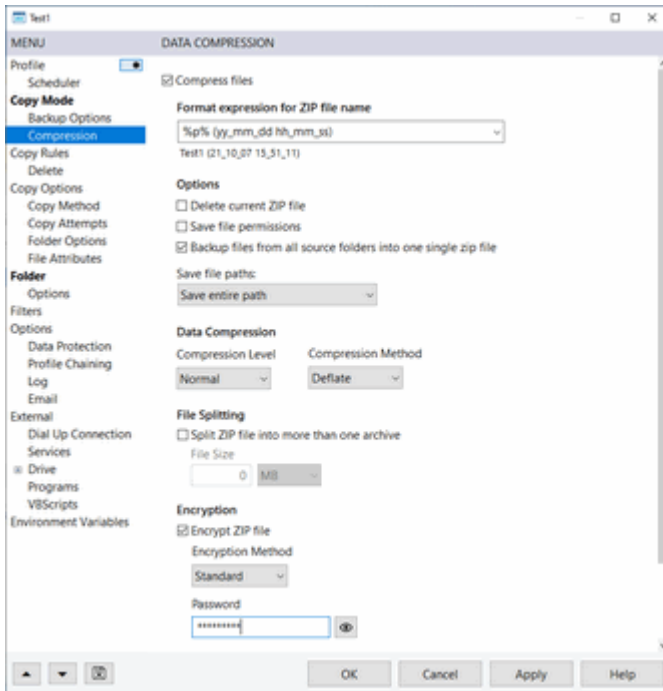
Note: Make sure that the specified destination folder is only used for data backed up using this profile otherwise other data may be deleted.

When deleting old backups, transfer old items to the new backup

This option enables the entire file/folder contents to be transferred to the new backup folder when the old backup is deleted. The advantage of this is that not all items have to be recopied from the source folder to the new backup folder when doing a full backup. This option has no effect when backing up to a ZIP file.

Backup - Data Compression

With this option files can be compressed into a [ZIP](#)  file in the [Backup](#) copy mode.



Features

- The size of the ZIP archive can reach up to 18 million terabytes
- Up to 4 billion files can be stored within a ZIP archive
- The ZIP file can be encrypted and password-protected with AES 256-bit encryption
- Split ZIP file into more than one archive
- Stores Unicode filenames in the ZIP archive
- Stores file permissions in the ZIP archive
- Supports UNC paths

Limitations

- Files with a path length longer than 260 characters can't be compressed
- Backing up empty folders into a ZIP archive isn't possible

Tip

You can compress files with a path length longer than 260 characters by shorten the path length. The profile property [Drives](#) enables you to assign the long paths with a drive letter to shorten the path length.

- [Format expression for ZIP file name](#)
- [Options](#)
- [Data Compression](#)
- [Compression Method](#)
- [File Splitting](#)
- [Encryption](#)
- [Temp Folder](#)

Format expression for ZIP file name

The name of the ZIP file is determined via the '[Format expression](#)' field. The following placeholders can be used in the name:

PLACEHOLDERS	DESCRIPTION
%P%	Profile name
%S%	Last folder name of source path
%KW%	German calendar week according to DIN 1355
Format characters	Date and Time
Environment variables	Windows variables

If you want to use normal text, it has to be inserted in double quotes so that it isn't incorrectly interpreted as a placeholder for date and time.

Formatting examples:

FORMAT EXPRESSION	RESULT
"%P%" (yy_mm_dd hh_nn_ss)	PROFILE NAME (01_12_24 16_10_08)
{yy-mm-dd hh-nn-ss} "%P%"	{01-12-24 16-10-08} profile name
"Backup of %p% on" yyyy-mm-dd "at" hh_nn_ss	Backup of PROFILE NAME on 2001-11-12 at 10_15_00

FORMAT EXPRESSION	RESULT
"Backup" dddd	Backup Monday
"Backup %KW%.week" dd.mm.yyyy	Backup 32.week 08.08.2005

Options

Delete existing ZIP file

This option enables an existing ZIP file of the same name to be deleted prior to backup.

Save file permissions

This option causes the file permissions to be saved in the ZIP file.

Backup the files from all source folders into one single zip file

This option enables to compress the files of all source folders into one single zip file.

File path

This option enables you to specify how the path of a file is stored in the ZIP file. The following options are available:

1. Save entire path (example: Data\Word\Info.doc)
2. Save path without source portion (example: Word\Info.doc)
3. Save file name only (example: Info.doc)

In the above examples, the source folder 'C:\Data' was used and the file 'C:\Data\Word\Info.doc' backed up.

Note: Using the option 'Save file name only', paths have no effect in the [filters](#) for folders and files.

Data Compression

Compression Level

This option enables you to specify the compression level to be used for the files being backed up. The following settings are available:

- None

- Fast
- Normal (default setting)
- Maximum

The higher the compression, the longer it takes for the ZIP file to be created. The '**None**' option causes items to be zipped without being compressed.

Compression Method

This option allows you to set the compression method for the ZIP file. The following compression methods are available:

- [Deflate](#) 
- [Deflate64](#) 
- [BWT](#) 
- [LZMA](#) 

'**Deflate**' is the default compression method of the general ZIP format supported by many other programs. In comparison to '**Deflate**', '**Deflate64**' and '**BWT**' enable a higher degree of compression to be achieved, however, they aren't supported by all programs. The compression methods '**Deflate64**' and '**BWT**' are available from the AllSync [Professional](#) Edition.

File Splitting

Split ZIP file into more than one archive

This option enables you to specify that the ZIP file be automatically split into several archives with a specific file size.

In addition, you can specify the compatibility of the split ZIP files if required:

- Compatibility '**Standard**'

This allows the split files to be unpacked with software such as 7-Zip, WinRar or WinZip. The ZIP files are saved with the following extensions:

- backup.zip
- backup.z01
- backup.z02
- ...

- Compatibility '**AllSync ZIP-Tool**'

With this, the ZIP files can only be extracted with the [AllSync ZIP-Tool](#). The ZIP files are

saved with the following extensions:

- backup.zip
- backup.z02
- backup.z03
- ...

Encryption

Encrypt ZIP file

This option enables you to password-protect the ZIP file against unauthorized access. The following encryption methods are available:

- Standard Zip 2.0
- AES 256-bit ¹

¹ The encryption method 'AES 256-bit' is available from the AllSync [Business](#) Edition.

Temp Folder

Use this folder for creating the temporary ZIP file

This option enables you to specify that a ZIP file is to first be created in a specific folder and then moved to the destination folder. This option has to be activated so that the items in existing ZIP files can be updated. The folder should be located on a local hard drive with sufficient free disk space for performance reasons.

If you don't use this option, the ZIP file is created directly in the destination folder. This may lead to substantial performance loss on network drives and error messages when using storage media like CDs or DVDs.

You can specify this option for all profiles in the general options (see Profile Properties Options General): [Creating a Temporary ZIP File](#)

Copy Rules

- [Copy missing files and folders](#)
- [Copy only files with the 'Archive' attribute](#)
- [Rules for Overwriting Files](#)
- [Treat files with a modified time differential of exactly ...](#)
- [Treat files with a modified time differential of up to ...](#)

Copy missing files and folders

This option causes all files and folders not present in the directory on the other side to be copied.

Copy only files with the 'Archive' attribute

This option causes only files possessing the '**Archive**' file attribute to be copied. The sub-option '**Filter files without the Archive attribute**' enables you to filter all files without the '**Archive**' attribute.

Rules for Overwriting Files

This option specifies when a file is to be overwritten by another file of the same name. The following settings are possible:

1. Never overwrite
2. Always overwrite
3. Overwrite file if modified date/time of file being copied is more recent
4. Overwrite file if modified date/time of both files is different
5. Overwrite file if size of both files is different
6. Overwrite file if the contents of both files are different

One of the following additional rules is possible when applying main rules 3 or 4:

- or the contents of the files are different
- and the contents of the files are different


- or size of files is different
- and size of files is different

For other settings for comparing the contents of two files, see '[Copy Options](#)' - [Content Comparison Method](#).

Treat files with a modified time differential of exactly ...

This option enables an exact time differential between the modified date/time of the source and destination file to be ignored, thus preventing the source file from being copied. The time differential can be specified in hours, minutes and seconds. This option may be useful after a switchover between [standard and daylight-saving time](#), as the source and destination files may exhibit a time differential of one hour.

Treat files with a modified time differential of up to ...

This option enables a time differential of up to 24 hours between the modified date/time of the source and destination file to be ignored, thus preventing the source file from being copied. The time differential can be specified in hours, minutes and seconds. This may be useful when running copy operations between NTFS and FAT partitions, as the modified date/time of the two files may exhibit a differential of several seconds after copying. For more information, consult the [Microsoft](#)  website.

Rules for Deleting Files and Folders

Delete items at destination which are not present at source

This option causes all files and/or folders not present at the source to be deleted at the destination. You can also specify which data items are to be deleted:

- Files + Folders
- Files
- Folders

Delete items at destination which are filtered at source

This causes all files and/or folders which are filtered at source to be deleted at the destination. You can also specify which data items are to be deleted:

- Files + Folders
- Files
- Folders

Copy Options

- [Use Windows Volume Shadow Copy Service \(VSS\) to copy open files](#)
- [Identify the process that is blocking access to a file](#)
- [Transfer access permissions of files and folders](#)
- [Move source files to destination folder](#)
- [Transfer attributes of source files to existing destination files](#)
- [Transfer upper- and lowercasing of the source files to existing destination files](#)
- [Transfer file date and time after copying](#)
- [Activate the NTFS file compression for the copied destination file](#)
- [Delete destination file when the source file can't be copied without any errors](#)
- [Before copying a file monitor the file size for any changes](#)
- [Verification Check \(of the content of copied files\)](#)
- [Method for Comparing Contents](#)

Use Windows Volume Shadow Copy Service (VSS) to copy open files

This option enables all open files to be copied for which error [32](#) or [33](#) would be returned in the log. The option is available from the AllSync [Professional](#) Edition.

Please note the following when using this option:

- AllSync must be started with full administrator rights.
- 'Windows Volume Shadow Copy Service (VSS)' may not be deactivated. The startup mode of the service must be set to 'manual' or 'automatic'.
- Only the open files of local drives can be copied. Network drives, removable disks and other connected drives are not supported.
- The open files must be located in a source folder.
- Drives formatted with FAT32 are not supported unless another local NTFS drive is present.

Identify the process that is blocking access to a file

This option automatically determines the Windows process that is blocking access to a file if error [32](#) or [33](#) occurs while copying a file or error [103](#) occurs while compressing a file. When copying a file, the source file is checked first. If this is not blocked, then the destination file is checked next. When compressing a file, only the source file is checked. The following information about the blocking process is displayed in the log immediately after the error message:

- The name of the process
- The process ID
- The complete file path of the process

Info: The [File Lock Tool](#) enables you to manually check whether access to a file is blocked by another process.

Transfer access permissions of files and folders

This option enables you to transfer the access permissions of files and folders to their destination counterparts. To this end, the partitioning of the source and destination data items has to be done using NTFS. When the '[only when creating and copying files](#)' option is activated, permissions are not transferred unless a file/folder is copied to the destination. The option is available from the AllSync [Business](#) Edition.

- If you want to transfer access permissions on the local machine, you have to be logged on as the administrator and possess the requisite read and write permissions for the source and destination items.
- If you want to transfer access permissions between two computers in the network the computers have to be registered in the same domain. You also have to be logged on as the domain administrator and possess the requisite read and write permissions for the source and destination items.

Move source files to destination folder

This causes the source files being copied to be moved to the destination folder. You can also specify that empty source folders are to be deleted:

- Delete all source folders that are empty after being moved
- Delete all source folders that were empty prior to being moved

Transfer attributes of source files to existing destination files

This option enables you to transfer the attributes of a source file to an existing destination file during a copy operation. The attributes aren't transferred unless the source and destination files are identical on the basis of the [copy rules](#).

Transfer upper- and lowercasing of the source files to existing destination files

This option enables you to transfer the modified upper- and lowercasing of a source file to an existing destination file during a copy operation. The modification is not made unless the source and destination files are identical on the basis of the [copy rules](#).

Transfer file date and time after copying

This option causes the created and modified date of the source file to be transferred to the destination file after copying.

Delete destination file when the source file can't be copied without any errors

This option causes the destination file to be deleted when an error occurs while copying the source file or the [Verification Check](#) fails.

Activate the NTFS file compression for the copied destination file

This option activates the NTFS file compression for the copied destination file.

Before copying a file monitor the file size for any changes

This option causes the file to be copied to be monitored for any change in its size in a specified interval. The file isn't copied until no more changes in the file size have been detected.

Verification Check (of the content of copied files)

With this option, a content comparison between the source and target files is carried out after copying. An error message will show in the log if the two files are not identical in content. In addition, you can specify that no content comparison should be carried out above a certain file size. The option is available from the AllSync [Professional](#) Edition.

Method for Comparing Contents

This option enables you to specify the method used for performing a content check comparison between two files. Comparison is subject to the two files having the same file size.

Automatically determine the most optimal method

This option enables the best comparison method to be automatically determined for each source and destination folder pair. The 'byte-by-byte' comparison method is used when the source or destination folder is recognized as a network folder. Otherwise, the SHA copy method is always used.

Comparison Methods

METHOD	DESCRIPTION
byte-by-byte	A comparison of the entire file is done by reading data packets one by one and comparing them.
CRC32 (32-bit)	This causes a CRC32 checksum of the contents of each file to be computed and then compared.
MD5 (128-bit)	This causes an MD5 checksum of the contents of each file to be computed and then compared.
SHA (160-Bit) SHA (256-Bit) SHA (384-Bit) SHA (512-Bit)	This causes an SHA checksum of the contents of each file to be computed and then compared.

The 'byte-by-byte' method provides for the highest degree of certainty and reliability when it comes to a content comparison. The accuracy of other methods decreases in keeping with the decreasing bit rate.

Copy Method


This option enables you to specify the internal copy method used by AllSync for copying files.

PROPERTIES OF THE VARIOUS COPY METHODS	A	B	C	D
Display the copy progress of a file	-	✓	✓	-
Resume an interrupted copy operation of a file	-	-	✓	-
Cancel the copy operation of a file	-	✓	✓	-
Change the copying speed	-	-	✓	-
Copy files and folders with Unicode characters in their name	✓	✓	✓	?
Copying of file attributes	✓	✓	✓	?
Copying of the Modified Date	✓	✓	✓	?
Copying of the Creation Date	-	-	✓	?
Copying of the Last Accessed Date	-	-	✓	?
Copying of NTFS compression	✓	✓	✓	?
Deactivate file system cache	-	✓	-	?

Copy Method 'Automatic'

With this setting, copy method B is used.

Copy Method B

The [Deactivate file system cache](#)  option copies files without using the Windows file system cache. This can speed up the copying process when copying large files in the gigabyte range.

Copy Method C

Upon starting the copy operation, the destination file is created with a modified date which is older than that of the source file. This ensures that AllSync automatically recopies the source file during the next copy operation in the event the link to the destination folder is interrupted. After the file is successfully copied, the create and modified date of the destination file is adapted to that of the source file. This copy method also enables you to specify the size of the [data packets](#)

and the [pause](#) between data packets.

Copy Method D

With copy method D you can either use an external program to copy the source file or you can delete the source file:

- Program for copying files

Here you specify the program with which a file is to be copied. The parameters for the external program must be specified in a separate text field. An error message is displayed in the log if the return value of the external program is not equal to zero. The following placeholders can be used when specifying the parameters:

- %1 = source file (example: C:\Data\Info.doc)
- %2 = destination file (example: D:\Backup\Data\Info.doc)
- %3 = destination folder (example: D:\Backup\Data)

Example of the Windows [Xcopy](#)  command:

Program: Xcopy

Parameter: "%1" "%3" /h /r /y

- Delete Source File

This option deletes the source file. With the sub-option '[Secure Delete](#)' the content of the source file is completely overwritten with zeros before deleting and the file size is set to 0 Bytes.

Options for Copy Method C and Content Comparison

The following two options are used with [Copy Method C](#) or the [byte by byte](#) comparison method:

Data packet

This setting enables you to specify in bytes the size of the data packets used to read from a file into main memory.

Pause

This setting enables you to specify the length of the pause in milliseconds between reading the individual data packets and thus decrease the transfer speed.

Copy Attempts


This option enables you to specify that a file is to be recopied in the event there is an error while copying it. You can specify the number of copy attempts for a file and the interval between them in seconds. The default value of 1 for the number of copy attempts causes a file to be copied only once and no renewed attempts to be made when an error occurs.

Resume interrupted copy operation of a file

This option enables a copy operation of a file to be resumed at the point it was interrupted when another copy attempt is made. This option needs the [Copy Method C](#) to be activated.

Advanced Rules

You can additionally specify advanced rules for certain errors and enter them in the text pane. One rule is entered per line. Each rule must contain the following items, separated by a comma:

1. [Error no.](#) 
2. Number of copy attempts (1-99)
3. Interval in seconds between copy attempts (1-99)
4. Here you specify which action is to be performed when a copy attempt is unsuccessful. The following values are possible:
 - 0 = Don't abort profile and continue with the next file
 - 1 = Abort profile
 - 2 = Abort processing of the current source and destination folder and continue with the next folder pair

Examples:

RULE	DESCRIPTION
112,1,1,1	Causes no further copy attempt to be made and the profile to be aborted when error 112 occurs.

RULE	DESCRIPTION
64,6,15,2	Causes an additional five copy attempts to be performed in intervals of 15 seconds when error 64 occurs. If the file cannot be copied without any errors, processing of the current source and destination folder is aborted and processing is continued with the next folder pair.
32,3,10,0	Causes two additional copy attempts to be made in intervals of 10 seconds. If the file cannot be copied without any errors, processing is continued with the next file.

Folder Options

- [Transfer date of source folders to existing destination folders](#)
- [Transfer attributes of source folders to existing destination folders](#)
- [Transfer upper- and lowercasing of source folders to existing destination folders](#)
- [Transfer folder date and time after creation](#)
- [Don't create empty folders in source or destination folder](#)

Transfer date of source folders to existing destination folders

With this option, the date values ??of the source folders including all subfolders are transferred to the corresponding existing destination folders during a copy operation.

Transfer attributes of source folders to existing destination folders

This option causes the attributes of a source folder to be transferred to an existing destination folder during a copy operation.

Transfer upper- and lowercasing of source folders to existing destination folders

This option enables you to always transfer the upper- and lowercasing of a source folder to an existing destination folder during a copy operation.

Transfer folder date and time after creation

With this option, after creating a folder, the date values ??of the source folder are transferred to the destination folder.

Don't create empty folders in source or destination folder

This option cases empty folders created in the source and destination folder during a copy operation to be deleted.

File Attributes

Modifying File Attributes

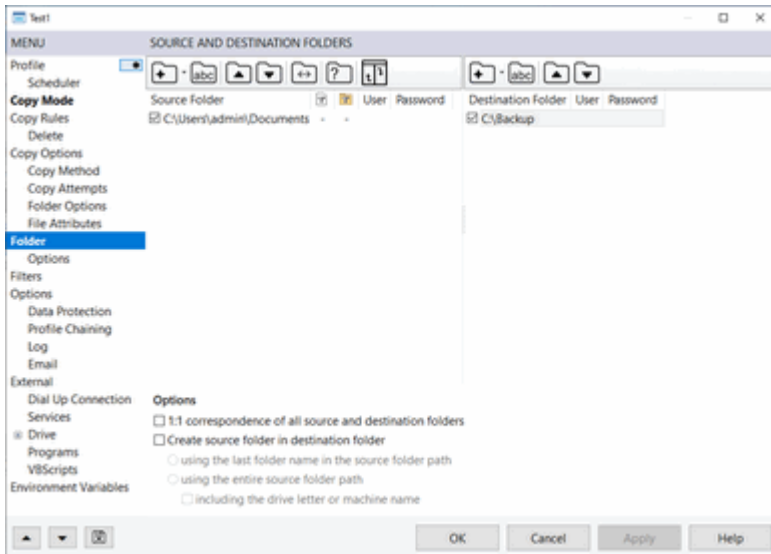
These options enable you to modify the attributes of the source or destination file after copying. The attributes aren't modified unless copying was successful.

The following attributes can be set and deleted:

- Write-protected
- Hidden
- Archive

Source and Destination Folders

At the folder list you can specify all folders between which a copy operation is to be performed.



- [Folder List](#)
- [Variables](#)
- [Options](#)
- [Toolbar](#)
- [Folder List Context Menu](#)

Folder List

The source and destination folders are administered in two facing folder lists. New folders can be added via the [toolbar](#) or from another program via [dragging & dropping](#). The folders can be activated or deactivated for a copy operation as needed via their checkboxes. Only one destination folder can be activated in [Sync](#) copy mode.

Allocation of the Source and Destination Folders

If you activate more than one folder each source folder is processed with each destination folder during a copy operation:

- 1. Source folder with 1. Destination folder
- 1. Source folder with 2. Destination folder

- 2. Source folder with 1. Destination folder
- 2. Source folder with 2. Destination folder
- etc.

The [1:1 correspondence](#) option causes the copy operation between the source and destination folders to be performed as follows:

- 1. Source folder with 1. Destination folder
- 2. Source folder with 2. Destination folder
- 3. Source folder with 3. Destination folder
- 4. Source folder with 4. Destination folder
- etc.

Exclude All Subfolders

This causes all the subfolders to be excluded from the copy operation.

Exclude 1st Level Files

This causes all the 1st level files of the source folder to be excluded from the copy operation.

User ID and Password

This enables the access particulars for password-protected network folders to be specified.

Variables

- You can use Windows [environment variables](#) in folder paths.
e.g. 'C:\%USERNAME%' = 'C:\John'
- You can use placeholders for [date and time](#) in folder paths.
e.g. 'C:\%yyyy%\%mm%\%dd%' = 'C:\2020\01\25'
- You can use the variable '%{drive letter}:{drive name}%' to replace a drive letter when using external storage devices (e.g. USB drives) that are allocated a different drive letter every time they are connected to a computer. AllSync checks all drives present for a match with the drive name specified. When a match is detected, the drive found is used. The drive name may contain the [wildcards](#) '*' and '?'. You can specify any drive letter you like.
e.g. '%X:Backup HD No.?\%Backup' = 'X:\Backup'
- You can use the variable '%MDL:{drive position}%' to replace drive letters. This variable is automatically replaced by the drive letter contained in the drive list under [Connect Drives](#)

(Profile Properties) at the position indicated.

e.g. '%MDL:1%\Backup' = 'X:\Backup'

Options

1:1 correspondence of all source and destination folders

This option enables you to specify that only the source and destination folders on the other side are to be processed with one another. Example:

- 1. Source folder with 1. Destination folder
- 2. Source folder with 2. Destination folder
- 3. Source folder with 3. Destination folder
- etc.

Create source folder in destination folder

This option enables the source folder to be automatically created in the destination folder. The following options are available:

- creating the last folder name in the source folder path
- creating the entire source folder path
- creating the entire source folder path including the drive letter or machine name

This option is automatically activated if

- you activate more than one source folder in [Sync](#) copy mode.
- the copy rule [Delete files and folders at destination which are not present at source](#) is activated.

Toolbar

- Select and Add Folder
- Add Folder Per Text Entry
- Move Folder Up
- Move Folder Down
- Exchange All Source and Destination Folders

- Folder Overview

Shows an overview of the correspondence of all source and destination folders along with the options.

- Toggle Tiling (Horizontal/Vertical)

Folder List Context Menu


The following commands are available when you right-click on a folder at the folder list:

- Edit Folder
- Delete Folder
- Show Folder Properties
- Open Folder
Open Source Folder Using Windows Explorer
- Move Folder Up
- Move Folder Down
- Select and [exclude](#) subfolders

Folder Options

- [Don't search NTFS junction points](#)
- [Disable Windows 64-bit file system redirection](#)
- [Check source and destinations folder for availability](#)

Don't search NTFS junction points

[NTFS junction points](#)  are empty folders that point to the contents of another folder. This option enables you to prevent these folders from being searched and processed. This option is activated by default. When activating this option you should check first that no loops are created by the junction points and no data items are processed twice.

Disable Windows 64-bit file system redirection

This option enables the access to the folder '[C:\Windows\System32](#)' when running AllSync on a Windows 64-bit version and prevents the redirection to the folder '[C:\Windows\SysWOW64](#)'.

Check source and destinations folder for availability

This option causes a recurring check to be performed during a copy operation to determine whether the [source and destination folders](#) are still accessible. The copy operation is terminated when a source or destination folder is no longer accessible after a specified number of checks. This option should be enabled for copy operations over a network link as the profile settings might cause the items at the source of destination to be deleted if the network link is interrupted.

No. of checks

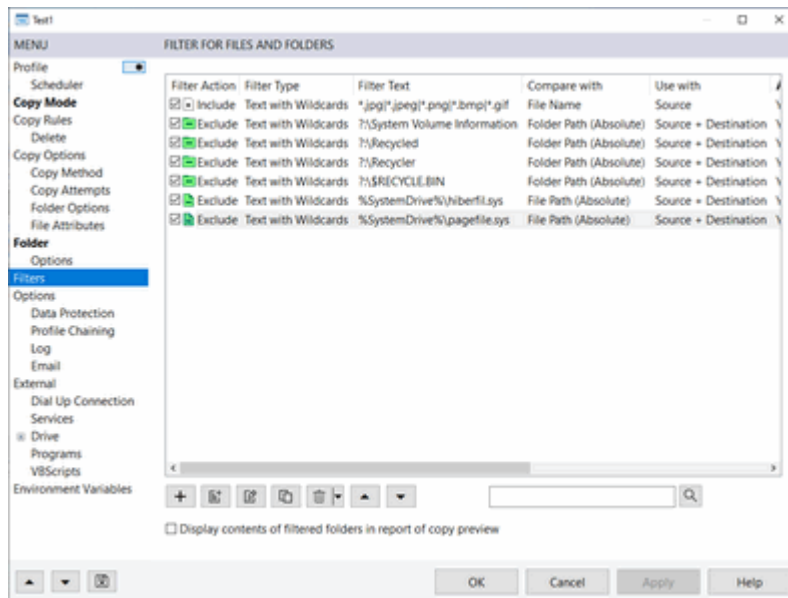
This option enables you to specify the number of checks to be conducted. The entire operation is aborted if the folder is still not available after this number of checks.

Interval

Here you can specify the interval in milliseconds between checks for the '[No. of checks](#)' option.

Filter for Files and Folders

Filters enables you to filter specific files and folders from the [source and destination folders](#) during a copy operation, i.e. exclude them from the copy operation.



- [Filter List](#)
- [Notes](#)
- [Filter Actions](#)
- [Use With](#)
- [Filter Types](#)
- [Compare with](#)
- [Filter Examples](#)
- [Filter Assistant](#)

Filter List

The filter list contains all filter set up for files and folders. Each filter can be enabled or disabled via its checkbox. The buttons below the filter list enables you to add, edit or remove filters.

Buttons

- Add Filter

- Add multiple file filters
- Add multiple folder filters
- Filter Templates
 - Exclude all subfolders (Folder Level)
 - Exclude all subfolders (RegEx)
 - Exclude all subfolders (Attributes)
 - Exclude all files at the root folder (Folder Level)
 - Exclude all files at the root folder (RegEx)
 - Exclude files older than 24 hours
 - Exclude files older than one week
 - Copy only picture files
 - Exclude the system folder of the Windows Recycle Bin
 - Exclude the system folder for the System Restore Points and the File Index
 - Exclude the Windows Page File
 - Exclude the Windows Hibernation File
- Edit Filter
- Copy Filter
- Delete Filter
 - Remove all filters
 - Remove all file filters
 - Remove all folder filters
- Move filter up in the list
- Move filter down the list
- Start [Filter Assistant](#)

Notes

- When filtering a folder the complete content of this folder will be filtered too.
- You can use the Windows [environment variables](#) with the [Filter Types](#) 'Text (Wildcards)', 'Text' and 'RegEx'.
- Difference between an absolute and a relative path:

- Source folder: C:\
absolute path: C:\Windows\System32
relative path: \Windows\System32
- Source folder: C:\Windows
absolute path: C:\Windows\System32
relative path: \System32

Filter Actions

Exclude

All files and folders matching a filter are excluded from the copy operation. Example: If you specify the filter **'*.ini'**, all files with the **'*.ini'** extension are filtered, i.e. excluded from the copy operation.

Include

Only files matching a filter are included in the copy operation. Example: If you specify the filter text **'*.ini'** only files with the **'*.ini'** extension are processed during a copy operation. All other files are filtered (= excluded) from the copy operation.

Use With

Here you can specify where the filter is to be used with:

- Source
- Destination
- Source + Destination

Filter Types

Text (Wildcards)

This filter type allows you to use [wildcards](#) in the filter text. For example, the filter text **'*.exe'** filters all files with the **'*.exe'** extension. The filter can be compared with one of the following properties:

- File Name
- File Path ([Absolute](#))

- File Path ([Relative](#))
- Folder Name
- Folder Path ([Absolute](#))
- Folder Path ([Relative](#))

Text

With this filter type, [wildcard characters](#) in the filter text are ignored and treated like normal text. For example, the filter text 'data#1' filters all files or folders named 'data#1'. If you enable the 'Partial Match' option, the filter text only needs to be partially present in a file or folder name. For example, the filter text 'data#1' filters all files and folders that contain the text 'data#1' in their name, such as the name '2025_data#1_backup'. The filter text can be compared with one of the following properties:

- File Name
- File Path ([Absolute](#))
- File Path ([Relative](#))
- Folder Name
- Folder Path ([Absolute](#))
- Folder Path ([Relative](#))

RegEx

With this filter type you can use [regular expressions](#) at the filter text. The filter can be compared with one of the following properties:

- File Name
- File Path ([Absolute](#))
- File Path ([Relative](#))
- Folder Name
- Folder Path ([Absolute](#))
- Folder Path ([Relative](#))

File Size (Larger than / Smaller than)

This filter type enables you to filter files that are larger or smaller than a specific file size. The file size can be specified by one of the following size units:

- Bytes
- Kilobytes (KB)
- Megabytes (MB)
- Gigabytes (GB)

Age (Older than / Newer than)

This filter type enables you to filter files or folders according to their age. The filter can be compared with one of the following properties:

- File Creation Date
- File Modified Date

- File Last Access Date
- Folder Creation Date
- Folder Modified Date
- Folder Last Access Date

The age of the file or folder can be specified by one of the following time units:

- seconds
- minutes
- hours
- days
- weeks (7 days)
- months (30 days)
- quarters (90 days)
- years (365 days)

Time Period (Within/Outside)

This filter type enables you to filter files or folders with a time/date stamp within or outside a specific time period. The filter can be compared with one of the following properties:

- File Creation Date
- File Modified Date
- File Last Access Date
- Folder Creation Date
- Folder Modified Date
- Folder Last Access Date

Attributes (All/Some/Exact)

This filter type enables you to filter files or folders according to their [attributes](#). The filter can be compared with the following attributes:

- Archive
- Compressed
- Directory
- Encrypted
- Hidden
- Normal
- Not Content-Indexed
- Symbolic Link
- Offline
- Sparse File
- Write-protected
- System
- Temporary
- Virtual

The selected attributes can be filtered by 3 different methods:

FILTER METHOD	DESCRIPTION
All	All selected attributes have to be present.
Some	Some of the selected attributes have to be present.
Exact	The attributes of the file or folder and the selected attributes must be exactly the same.

Folder Level

This filter type enables you to filter files or folders by folder level. Multiple folder levels must be separated with a comma. Examples:

Source Folder: C:\Data

- 1. Folder Level: C:\Data
- 2. Folder Level: C:\Data\Backup
- 3. Folder Level: C:\Data\Backup\Windows

Examples when using the filter action [Exclude](#):

- With the filter text '**1,3**' for files, all files in the folder '**C:\Data**' and '**C:\Data\Backup\Windows**' are excluded from the copy process.
- With the filter text '**1**' for folder, all folders including their contents are excluded in the source folder '**C:\Data**' and only the files from the 1st folder level are copied.

Example when using the filter action [Include](#):

- With the filter text '**2**' for files only files from the folder '**C:\Data\Backup**' are copied. All files from the 1st & 3rd folder level are excluded from the copying process.

Compare With

The following properties can be selected depending on the selected filter type:

- Filter type: [Text \(Wildcards\)](#), [Text](#), [RegEx](#)
 - File Name
 - File Path ([Absolute](#))
 - File Path ([Relative](#))
 - Folder Name
 - Folder Path ([Absolute](#))
 - Folder Path ([Relative](#))
- Filter type: [File Size \(Larger than\)](#), [File Size \(Smaller than\)](#)
 - File size
- Filter type: [Age \(Older than\)](#), [Age \(Newer than\)](#), [Time Period \(Within\)](#), [Time Period \(Outside\)](#)
 - File Creation Date
 - File Modified Date

- File Last Access Date
- Folder Creation Date
- Folder Modified Date
- Folder Last Access Date
- Filter type: [Attributes \(All\)](#), [Attributes \(Some\)](#), [Attributes \(Exact\)](#)
 - File Attributes
 - Folder Attributes
- Filter type: [Folder Level](#)
 - Files
 - Folders

Filter Examples

1. Example

You are synchronizing data between the C: and D: drives and want to exclude the 'C:\Windows' and 'D:\Windows' folders. A filter with the following settings is required for this:

OPTION	SETTING
Filter Action:	Exclude
Filter Type:	Text
Use With:	Source + Destination
Compare with:	Folder name
Filter Text:	Windows

2. Example

You want to back up the system folder 'C:\Users' and exclude all data from the subfolders 'C:\Users\%USERNAME%\AppData\Local'. A folder filter with the following settings is required for this:

OPTION	SETTING

OPTION	SETTING
Filter Action:	Exclude
Filter Type:	Text (Wildcards)
Use With:	Source
Compare with:	Folder Path (Absolute)
Filter Text:	*\AppData\Local\ OR C:\Users*\AppData\Local*

3. Example

You want to back up the following folders for all Windows users:

- C:\Users\...\AppData\Local\Microsoft\Edge\User Data\Default
- C:\Users\...\AppData\Local\Google\Chrome\User Data\Default
- C:\Users\...\AppData\Roaming\Mozilla\Firefox\Profiles

To do this, use the source folder '**C:\Users**' and create 3 file filters with the following settings:

OPTION	SETTING
Filter Action:	Include
Filter Type:	Text (Wildcards)
Use With:	Source
Compare with:	File Path (Absolute)
Filter text 1. File filter:	C:\Users*\AppData\Local\Microsoft\Edge\User Data\Default*
Filter text 2. File filter:	C:\Users*\AppData\Local\Google\Chrome\User Data\Default*
Filter text 3. File filter:	C:\Users*\AppData\Roaming\Mozilla\Firefox\Profiles*

In addition, you should activate the folder option [Don't create empty folders in source or destination folder](#) so that the entire subfolder structure of the source folder is not created in the destination.

4. Example

You want to back up the complete contents of all folders named 'Local' on a drive. A file filter with the following settings is required for this:

OPTION	SETTING
Filter Action:	Include
Filter Type:	Text (Wildcards)
Use With:	Source
Compare with:	File Path (Absolute)
Filter Text:	*\Local*

In addition, you should activate the folder option [Don't create empty folders in source or destination folder](#) so that the entire subfolder structure of the source folder is not created in the destination.

Filter Assistant

The Filter Assistant gives you an overview of how your folder filters affect the subfolders of the source and destination folders. All activated source and target folders, including the 1st folder level, are read in and displayed in 2 opposing tree structures, as in a copy preview. When reading the subfolders, all activated folder filters from the filter list are applied and excluded subfolders are displayed with a filter symbol. Source and target folders that could not be found are displayed with a gray folder icon.

Context Menu

You can add new folder filters to the filter list via the context menu of a subfolder. You can choose from the following filter types to exclude folders from a copy process:

- Folder Name (Source or Destination)
- Folder Name (Source + Destination)
- Folder Path
- [Folder Level](#) (Source or Destination)
- [Folder Level](#) (Source + Destination)

Buttons

Create filter preview

This reads in all activated source and target folders including the 1st folder level and applies all activated folder filters from the filter list to the subfolders.

Expand another folder level

This reads the next folder level for all source and target folders and applies all activated folder filters from the filter list to the expanded subfolders.

Options - General

Show progress between source and destination folder as a percentage

This option causes the progress of a copy operation between a source and destination folder to be shown as a percentage. This requires that the entire number of files and folders of all source and destination folders be determined before the copy operation.

Don't show any actions in report window after a direct copy operation

Activating this option causes none of the actions performed to be shown in the report window after a direct copy operation (i.e. without a preceding copy preview). This enables the time and hard disk space required for a copy operation to be reduced.

Calculate folder statistics of source and destination after a copy operation

This option causes the following information on the source and destination folders to be outputted in the log during a copy operation:

- Size of all files
- Number of files
- Number of folders
- File system
- Name of data medium
- Type of data medium

The '**Output errors in log when folder statistics are different**' option causes an error to be outputted to the log file if there is a difference in the size or number of files and folders in the source and destination folders.

Calculate free disk space on the drives of the source and destination folders after copy operation

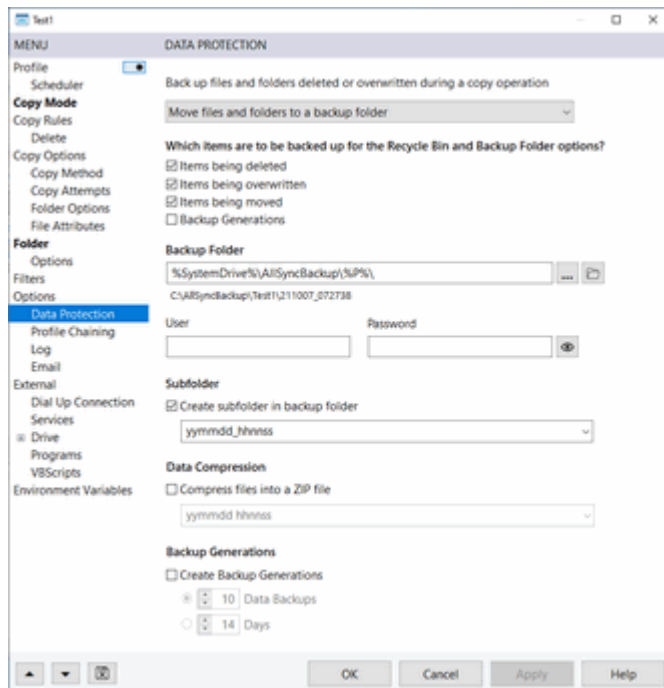
This option causes the free disk space remaining after a copy operation on the drives on which the source and destination folders are located to be determined and shown in the log.

Safely remove hardware after copy operation

This option enables all connected storage devices used via a source and destination folder to be safely removed.

Data Protection

This option enables files and folders to be backed up that are to be deleted, moved or overwritten by a [copy operation](#).



The following settings are available for your data protection:

- [Don't back up any files and folders](#)
- [Move files and folders from local drives to the Windows Recycle Bin](#)
- [Move files and folders to a backup folder](#)

Which items are to be backed up?

- Data to be deleted
- Data to be overwritten
- Data to be [moved](#)
- [Backup Generations](#) created with the Backup copy mode

Don't back up any files and folders

No files and folders will be backed up during a copy operation.

Move files and folders from local drives to the Windows Recycle Bin

This option causes local folders and files to be backed up to the Windows Recycle Bin. Make sure that the Windows Recycle Bin hasn't been deactivated and that the Recycle Bin size is set to 100%. Only files and folders located on the machine on which AllSync is running can be moved to the Recycle Bin. Files and folders from non-local storage devices will be deleted and NOT moved to the Recycle Bin!

Move files and folders to a backup folder

This option causes folders and files including their entire folder structure to be backed up to a separate backup folder.

- [Backup folder](#)
- [Subfolder](#)
- [Data Compression](#)
- [Backup Generations](#)
- [Folder Structure](#)
- [Placeholders](#)
- [Examples](#)

Backup Folder

Here you specify in which folder the data should be saved. When specifying the backup folder, you can use the placeholders [%P%](#), [%KW%](#) and the Windows [environment variables](#). The default format expression for the backup folder is '%SystemDrive%\AllSyncBackup\%P%'.

Subfolder

The option '[Create subfolders in the backup folder](#)' causes a new subfolder to be created in the backup folder every time the profile is run. This enables consecutive backups to be made of your data, in addition to enabling you to retrieve older versions as needed. The standard format expression for the name of the subfolder is '['ymmdd hhnnss'](#)', thus ensuring consecutive backup every time the profile is run. Various [placeholders](#) can be used in the name of the subfolder.

Data Compression

The option '**Compress files into a ZIP file**' causes all backed-up items to be compressed into a single ZIP file after the copy operation. The standard format expression for the name of the ZIP file is '**yymmdd hhnss**', thus ensuring consecutive backup every time the profile is run. Various [placeholders](#) can be used in the ZIP file name. The option is available from the AllSync [Professional](#) Edition.

Backup Generations

The option '**Create Backup Generations**' enables the number of backups to be limited. You have the option of specifying the maximum number of backups or a period in days. When starting a copy operation, old backups to be deleted are determined via their creation date. The option is available from the AllSync [Professional](#) Edition.

Note: Make sure that the specified destination folder is only used for data backed up using this profile otherwise other data may be deleted.

How are old backup generations determined?

- When the option '**Create subfolders in backup folder**' is activated, the backups to be deleted are determined on the basis of the creation date of the subfolders when running the profile.
- When the option '**Compress backed-up files into one ZIP file**' is activated and the option '**Create subfolders in backup folder**' is **deactivated**, the backups to be deleted are determined on the basis of the creation date of the ZIP files in the backup folder when a profile is run.
- When the options '**Compress backed-up files into one ZIP file**' and '**Create subfolders in backup folder**' are both **deactivated**, the backups are created in the backup folder and appended with a sequentially numbered file extension, .0001, .0002, etc.

Folder Structure

You can use the following options to specify the folder structure with which the data to be backed up is to be saved in the backup folder:

1. Save the data with the complete path in the backup folder
2. Save data in the backup folder with the path starting from the last folder of the destination folder

Example for both settings:

Source folder: C:\Work\Data

Destination folder: D:\Backup\Work\Data

Backup folder: E:\AllSync-Backup

File to back up: D:\Backup\Work\Data\text\filter.txt

Storage path with 1. Option: E:\AllSync-Backup\D\Backup\Work\Data\text\filter.txt

Storage path with 2. Option: E:\AllSync-Backup\Data\text\filter.txt

Placeholders

The following placeholders can be used for the path of the backup folder and the names of subfolders or ZIP files:

PLACEHOLDER	DESCRIPTION
%P%	Profile name
%KW%	German calendar week according to DIN 1355
Format characters	Date and Time
Environment variables	Windows variables

If you want to use normal text, it has to be inserted in double quotes so that it isn't incorrectly interpreted as a placeholder. Formatting examples:

FORMAT EXPRESSION	RESULT
%p% (yy_mm_dd hh_nn_ss)	PROFILE NAME (01_12_24 16_10_08)
{yy-mm-dd hh-nn-ss} %P%	{01-12-24 16-10-08} profile name
%SystemDrive%\AllSyncBackup%\%P%	C:\AllSyncBackup\Profile name

Examples:

Backup folder: %SystemDrive%\AllSync Backup%\%P%

Profile name: Text Backup

File to be backed up: C:\Data\Doc\Info.txt

Date/Time: 31. May 2020, 16:41:00

- **Example 1**

Subfolder: yy_mm_dd hh_nn_ss

ZIP file: -

After a copy operation the backed-up file is located in the following folder:

C:\AllSync Backup\Text Backup\20_05_31 16_41_00\C\Data\Doc\Info.txt

- **Example 2**

Subfolder: yyyy_mm_dd hh_nn_ss

ZIP file: %p%

After a copy operation the backed-up file is located in the following ZIP file:

C:\AllSync Backup\Text Backup\2020_05_31 16_41_00\TextBackup.zip

- **Example 3**

Subfolder: -

ZIP file: yy_mm_dd hh_nn

After a copy operation the backed-up file is located in the following ZIP file:

C:\AllSync Backup\Text Backup\20_05_31 16_41.zip

- **Example 4**

Subfolder: -

ZIP file: -

After several copy operations the following files are to be found in the backup folder:

C:\AllSync Backup\Text Backup\C\Data\Doc\Info.txt.0001

C:\AllSync Backup\Text Backup\C\Data\Doc\Info.txt.0002

C:\AllSync Backup\Text Backup\C\Data\Doc\Info.txt.0003

...

E-Mail

Forward log file via E-Mail

With this option, the protocol can be sent via email after a copy process. If there is more than one address, they have to be separated by a comma. No e-mails can be sent unless you make all the settings for the mail server in the [Options](#) section. This option is available from the AllSync [Professional](#) Edition.

When the e-mail is to be sent:

The following settings are possible:

- Always
- Only when an error occurs
- Only when changes occur
- Only when errors and changes occur
- Only when an error or a change occurs
- Only if no changes have been made

Forward logged actions via e-mail

Activating this option additionally causes the actions logged during the copy operation to be emailed. This option doesn't have any effect unless the [Log these actions during a copy operation](#) option is activated (Profile Properties Options Log).

Send e-mail for:

- Copy Operations
- Process Copy Preview
- AllSync Scheduler
- AllSync Scheduler Service
- Command Line

Copy Preview

Perform the following actions after a copy preview

With this option you can specify which actions should be carried out after a copy preview. The settings for the [actions](#) of the same name in the general options under the 'Copy preview' menu item are overwritten with these settings.

Actions

- [Remove Identical Files and Folders without Any Actions](#)
- [Remove Files + Folders Without Any Actions Or Non-present](#)
- [Remove Filtered Files And Folders](#)
- [Remove Filtered Files And Folders Without Any Delete Actions](#)

Notes

- Please note that the actions are applied to all profiles in the copy preview.
- If you start a copy preview with several profiles, then the actions of the last profile for which this option is activated are always applied.

Profile Chaining

[Profile chaining](#) allows you to link multiple [profiles](#) together so they always launch in a specific order, one after the other. This profile property is available from the AllSync [Professional](#) Edition.

Chained Profile

Here you can specify the profile to be chained, which should be started after this profile. You can set a profile by selecting a profile from the text field's drop-down list. If necessary, the selected profile can be deactivated using the checkbox in front of the text field. With the option '**Don't start chained profile unless this profile has been successfully started**' you can prevent the chained profile from starting.

Start profile for which operation?

The following options enable you to specify the operation for which the chained profile is to be run:

- AllSync Copy Operation (CopyOp)
- AllSync Copy Preview (CopyPrev)
- [AllSync Scheduler](#) (Sch)
- [Command Line](#) (CL)

Log

Log these actions during a copy operation

This option enables you to have the following actions logged during a copy operation:

- Delete operations
- Copy actions
- Filtered items
- Backed up items
- File conflicts
- Structure conflicts

You should bear in mind that, depending on the data volume involved, additionally logging actions of a copy operation extends the time required to run the profile. The option is available from the AllSync [Professional](#) Edition.

Log all files copied during a copy operation to a daily log file

This option causes information about files copied during a copy operation to be written to a daily log file. The log file is recreated every day with the format expression '[AllSyncYYMMDD.log](#)' and is located in the '[Logs](#)' subfolder of the AllSync application folder. This log file is used for all profiles and provides information about AllSync's daily copy volume. The information is written to the log file in the following format:

date; time; profile name; source folder; destination folder; file name; file size in bytes;

Open log file for write access in Windows temp folder

This option causes the log file to be opened in the Windows TEMP folder for write access and to be moved to the profile folder after the copy operation.

Automatically remove entries from the profile log file when they are more than ... day(s) old

With this option, every time you starting a copy operation with the profile, the profile log file is checked and all entries older than the number of days you specify are removed.

- Please note the '**Compatibility**' section under the [Time format](#) option.
- When deleting old log entries, a new log file is always created first and then the old log file is deleted.

Copy profile log file to each destination folder

This option copies the profile log file to each destination folder after copying between all source and destination folders has completed. The log file is saved in the destination folder with the name ".txt". An existing file with the same name is automatically overwritten.

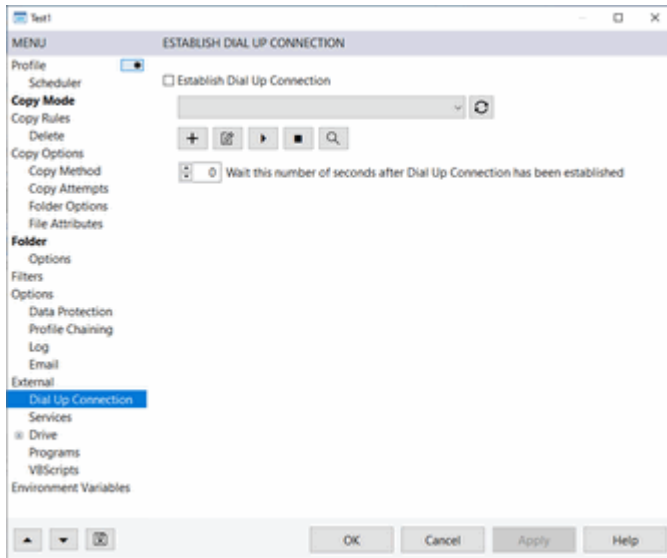
External Options

Here you can specify the run sequence of external options when starting and completing a profile:

- [Remote Access](#)
- [Connect Drives](#)
- [Programs](#)
- [VB Scripts](#)
- [Services](#)

Remote Access

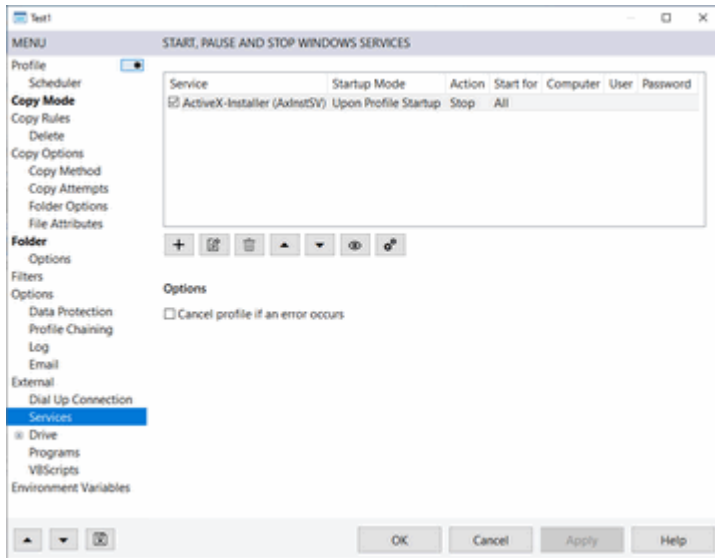
This option enables you to establish a requisite remote link when starting a copy operation. The option is available from the AllSync [Business](#) Edition.



The remote access connection is automatically shut down when the copy operation is completed. You can also specify a delay period after a link has been established before the copy operation is initiated. When using this option, enable the folder option [Check the current source and destination folder for availability during an operation](#) for security.

Windows Services

This profile property enables you to start, stop or pause certain Windows services upon starting or completing a profile. The profile property is available from the AllSync [Business](#) Edition.



Note

- AllSync must be started with admin rights so that a listing of all services under Windows can be created.

Service List

COLUMN	DESCRIPTION
Service	Name of the Windows service
Start Type	<ul style="list-style-type: none">• Upon Profile Startup• Upon Profile Completion
Action	Shows the service action to be performed: <ul style="list-style-type: none">• Start Service• Pause Service• Stop Service
Start For	This option enables you to specify the operation during which the script is to be

started. The following options are available:

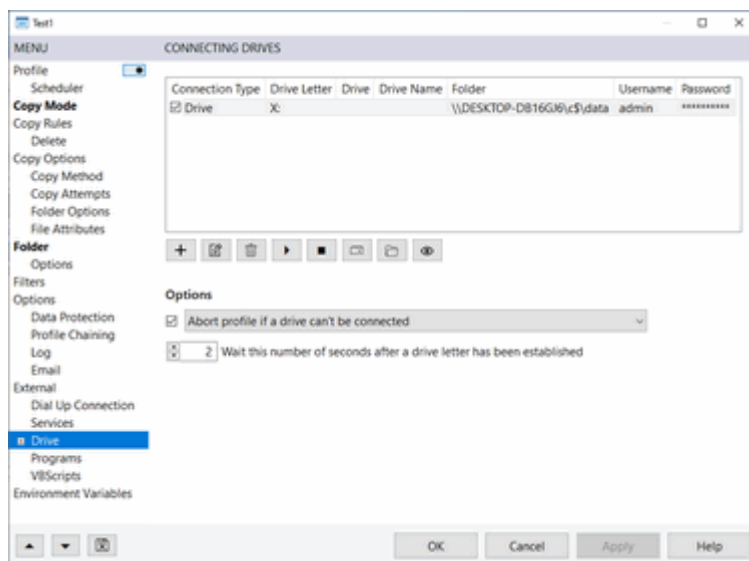
- Copy Operation (CopyOp)
- Copy Preview (CopyPrev)
- Processing Copy Preview (CopyProc)
- [AllSync Scheduler](#) (Sch)
- [Command Line](#) (CL)

Mount Drives

This option enables you to perform the following actions before a [copy operation](#):

- Mount local folders or network folders as a drive
- Unlock drives encrypted with [BitLocker](#)
- Mount [TrueCrypt](#) encrypted drives or containers with a drive letter
- Mount [VeraCrypt](#) encrypted drives or containers with a drive letter

The drives are automatically disconnected and released when the copy operation has completed. The profile property is available from the AllSync [Professional](#) Edition.



- [Drives](#)
- [Options](#)
- [Encryption Applications](#)

Drives

Connection Type

- Drive
- BitLocker
- TrueCrypt Drive
- VeraCrypt Drive

- TrueCrypt Container
- VeraCrypt Container

Drive Letter

CONNECTION TYPE	DESCRIPTION
Drive	Here you specify the drive letter to which you want to assign a local folder or a network folder.
BitLocker	Here you specify the drive encrypted with BitLocker.
TrueCrypt Drive	Here you specify the drive letter to which you want to assign to a drive encrypted with TrueCrypt.
VeraCrypt Drive	Here you specify the drive letter to which you want to assign to a drive encrypted with VeraCrypt.
TrueCrypt Container	Here you specify the drive letter to which you want to assign to a container encrypted with TrueCrypt.
VeraCrypt Container	Here you specify the drive letter to which you want to assign to a container encrypted with VeraCrypt.

The '**Automatic**' option causes an unused drive letter to be automatically determined when using the connection type '**Drive**', '**TrueCrypt**' or '**VeraCrypt**'.

Drive

Here you specify the drive encrypted with TrueCrypt or VeraCrypt.

Container File

Here you specify the container file encrypted with TrueCrypt or VeraCrypt.

Drive Name

Here you specify the drive name of the mounted TrueCrypt or VeraCrypt drive. This enables AllSync to determine whether the drive is already mounted.

Folder

Here you specify the folder for the connection type '**Drive**'.

User/Password

Here you can specify login data that may be required.

Options

Abort profile if a drive can't be mounted

This option causes the profile to be terminated when a drive can't be mounted.

Abort profile if all drives can't be mounted

This option causes the profile to be terminated only when all drives can't be mounted.

Wait this number of seconds after all drives has been mounted

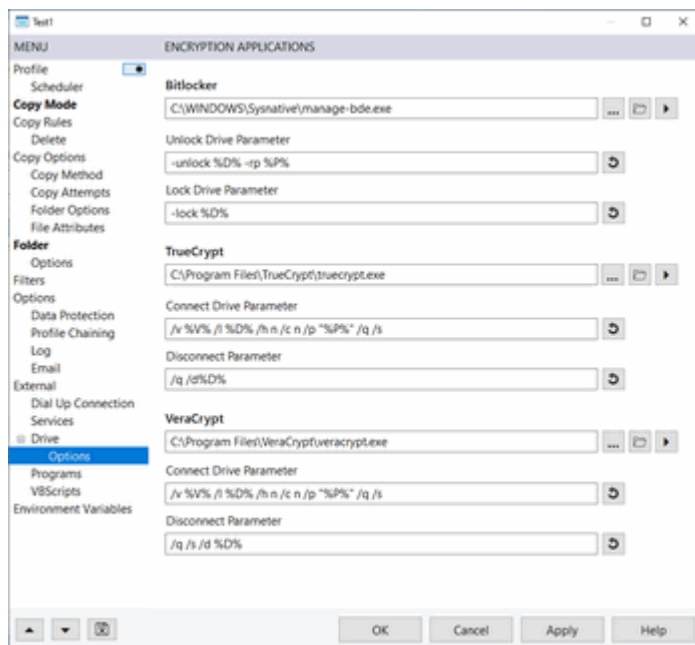
AllSync will wait the specified delay period after all drives has been mounted.

Wait this number of seconds before disconnecting a drive letter

AllSync will wait the specified delay period before disconnecting a drive.

Encryption Applications

Here you can specify the file path of the various Encryption Applications. AllSync will automatically determine the file path of the Encryption Applications if no file path is present.



BitLocker

Here you can define the file path of the program '**manage-bde.exe**'. This program will be used to unlock and lock drives encrypted with BitLocker. Additionally, you can modify the command-line parameters to unlock and lock drives encrypted with BitLocker.

TrueCrypt

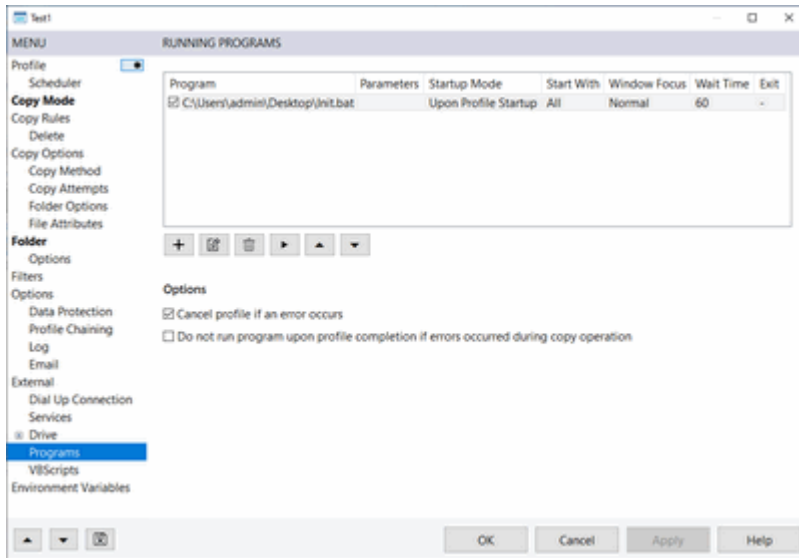
Here you can define the file path of the program '**truecrypt.exe**'. This program will be used to connect and disconnect drives or container encrypted with TrueCrypt. Additionally, you can modify the command-line parameters to connect and disconnect drives or container encrypted with TrueCrypt.

VeraCrypt

Here you can define the file path of the program '**veracrypt.exe**'. This program will be used to connect and disconnect drives or container encrypted with VeraCrypt. Additionally, you can modify the command-line parameters to connect and disconnect drives or container encrypted with VeraCrypt.

Programs

This profile property enables you to run multiple programs when starting and completing a profile. The profile property is available from the AllSync [Professional](#) Edition.



- [Program List](#)
- [Options](#)
- [Info](#)

Program List

COLUMN	DESCRIPTION
Program	The program path of the program to be started is displayed here.
Parameter	The optional command line parameters with which the program is started are displayed here.
Start Type	This shows when the program should be started: <ul style="list-style-type: none">• Upon Profile Startup• Upon Profile Completion
Start With	Here you can see the process at which the program is started: <ul style="list-style-type: none">• Copy Operation (CopyOp)• Copy Preview (CopyPrev)

	<ul style="list-style-type: none"> • Processing Copy Preview (CopyProc) • AllSync Scheduler (Sch) • Command Line (CL)
Window Focus	<p>The window focus with which the external program is started is displayed here:</p> <ul style="list-style-type: none"> • Hidden • Normal • Minimized • Maximized • Normal (no focus) • Minimized (no focus)
Wait Time	<p>The wait time shows you that the profile is to be automatically continued after the specified number of seconds has elapsed, even if the external program has not yet completed shutdown.</p>
Exit	<p>This shows whether the external program should be ended automatically after the waiting time has elapsed.</p>

Options

Abort profile if the program can't be launched for starting the profile

This option causes the profile to be aborted when the program couldn't be started for running the profile or the return value (error level) of the program is not equal to 0.

Do not run programs upon profile completion if errors occurred during copy operation

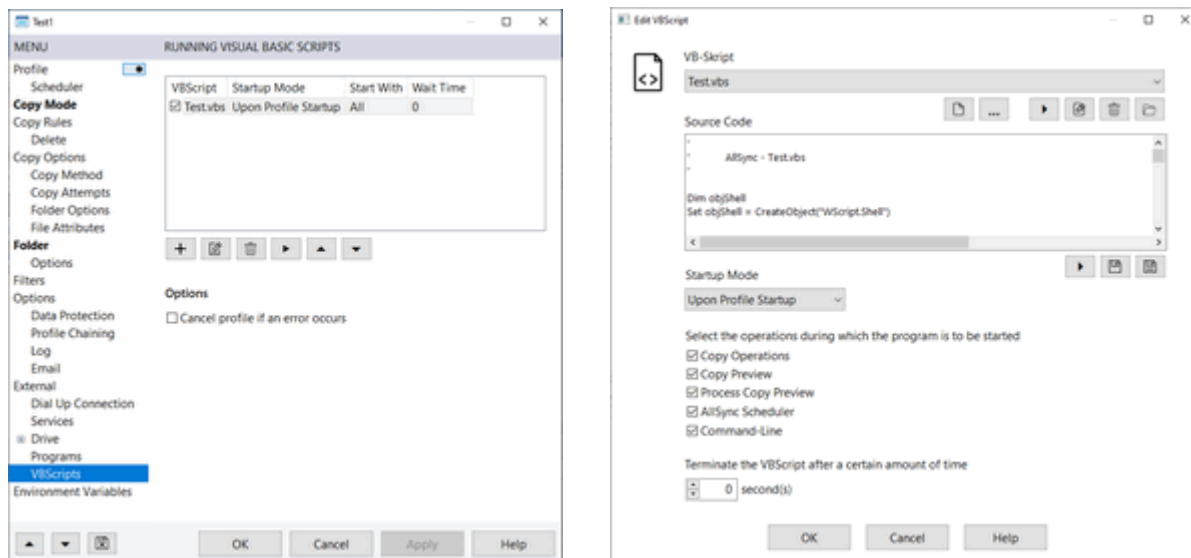
This option causes the programs specified upon profile completion not to be run if errors occurred during the copy operation.

Info

You can cancel the profile by a started program returning the exit code -99. No error message will be generated in the log.

Visual Basic Scripts

This profile property enables you to run [Visual Basic Scripts](#) before and after a [copy operation](#). This option is available from the AllSync [Professional](#) Edition.



- [VBScripts](#)
- [Requirements and Tips](#)
- [Placeholders](#)
- [Options](#)
- [Sample Scripts](#)
- [Useful Websites about VBScripts](#)

VBScripts

Startup Mode

- Upon Profile Startup
- Upon Profile Completion

Start With

This option enables you to specify the operation during which the script is to be started:

- Copy Operation
- Copy Preview

- Process Copy Preview
- [Scheduler](#)
- [Command Line](#)

Wait Time

This option enables you to specify that the script be automatically aborted after a certain number of seconds.

Requirements and Tips

- Visual Basic scripts can't be used with AllSync unless Microsoft Windows Scripting Host is installed on your computer. You can check this by running the sample script '**Test.vbs**'.
- The properties and methods of the WScript object have to be called without "WScript."
Example: Instead of '**WScript.CreateObject**' only '**CreateObject**' has to be used.
- Some properties and methods of the WScript object, e.g. '**Sleep**' or '**Echo**', cannot be used in the script or possess limited functionality.
- The error value -99 causes the profile to be aborted and no error message will be generated. See sample script '**CheckDestinationDrive.vbs**'. You also can use a variable with the name '**ExitCode**' and set the value to '**-99**'.

You also have the option of directly starting your scripts that use the WScript object using the [External/Programs](#) profile property (e.g.: "wscript.exe" test.vbs) and thus circumvent any restrictions.

Placeholders

The following placeholders can be used inside the script:

PLACEHOLDER	DESCRIPTION
[SourceX]	[Source1] is replaced by the first source folder activated in the source folder list, [Source2] by the second one, etc.
[DestinationX]	[Destination1] is replaced by the first destination folder activated in the destination folder list, [Destination2] by the second one, etc.
[Profil]	Profile name
[ErrorCount]	Error count

PLACEHOLDER	DESCRIPTION
[CopyToSource]	The amount of data in bytes to be copied from the destination to the source
[CopyToDestination]	The amount of data in bytes to be copied from the source to the destination

Options

Cancel profile if an error occurs

This option causes the profile to be terminated if an error occurs in the script or the script cannot be run for launching the profile. An error message is displayed in the log. No error message appears in the log when the VB script returns the special error code -99.

Sample Scripts

The sample scripts supplied with AllSync are located in the '**Scripts**' subdirectory of the [AllSync application folder](#). The sample scripts are continuously updated and adapted by us as needed. When making changes to the sample scripts, make sure to save them under a different name otherwise they will be overwritten and your changes lost the next time you update AllSync.

The following scripts are currently available:

CheckDestinationFolder.vbs

This script checking the first destination folder to see if it exists. The script returns the error code -99 if the folder is not accessible. See option [Cancel profile if an error occurs](#).

CheckDestinationFolderWithMessageBox.vbs

This script checking the first destination folder to see if it exists. An info dialog pop up if the folder is not accessible. Now the user can retry the folder check or cancel the profile.

CloseApp.vbs

This script enables you to close other applications.

ExportRegistry.vbs

This script enables you to export a registry key to a file at the destination folder.

IsDestinationFolderEmpty.vbs

This script checking the first destination folder to see if it exists. The script returns the error code -99 if the folder is empty. See option [Cancel profile if an error occurs](#).

KillTask.vbs

This script enables you to end a task. Call Windows Task Manager to find out the requisite 'task name'.

MessageBoxWithTimer.vbs

With this script, the user is shown a confirmation dialog for 5 seconds. The script returns error code -99 when the user presses the Cancel button. See option [Cancel profile if an error occurs](#).

Outlook.vbs

This script enables you to shut down Microsoft Outlook.

OutlookExpress.vbs

This script enables you to shut down Microsoft Outlook Express.

RenameFileAndCreateFileHistory.vbs

This script renames the copy.txt file by adding an ascending sequence number to the end of the file name to create a file history. Example: "copy0001.txt", "copy0002.txt", ... For example, you can use this script with the log file option [Copy profile log file to destination folder](#). To do this, start the script before a copy operation to rename an existing log file in the destination folder.

Run.vbs

This script enables you to run any program by inserting the 'Prg' variable in the program path.






ScreensaverOff.vbs \ ScreensaverOn.vbs

These two scripts enable you to respectively deactivate and reactivate your screensaver.

Test.vbs

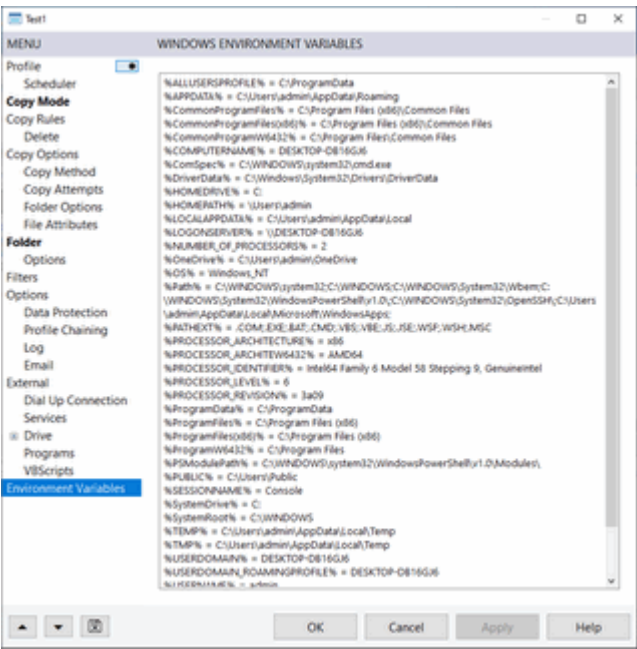
This script enables you to test the functionality of Microsoft Windows Scripting on your system and get an impression of the possibilities offered by Visual Basic Scripting.

Useful Websites about VBScripts

- [Programming with VBScript](#) 
- [VBScript Fundamentals](#) 
- [VBScript Language Reference](#) 
- [VBScript Tutorial](#) 
- [Office VBScript Documentation - VBScript Language Reference](#) 

Windows Environment Variables

Windows environment variables can be used in various path and file specifications in AllSync. You can display the Windows environment variables by opening the 'Environment variables' menu item under 'Extras' in the AllSync menu bar or by selecting 'Environment variables' in the profile properties in the left menu.



Syntax: %EnvironmentVariable%

If 'C:\Backup\%USERNAME%' is specified, the environment variable '%USERNAME%' is replaced with the name of the logged-in user: 'C:\Backup\John'

Profile Properties

The environment variables in the table can be copied to the clipboard by double-clicking.

Examples

ENVIRONMENT VARIABLE	EXAMPLE
%ALLUSERSPROFILE%	C:\ProgramData
%APPDATA%	C:\Users\John\AppData\Roaming

ENVIRONMENT VARIABLE	EXAMPLE
%CommonProgramFiles%	C:\Program Files (x86)\Common Files
%CommonProgramFiles(x86)%	C:\Program Files (x86)\Common Files
%CommonProgramW6432%	C:\Program Files\Common Files
%COMPUTERNAME%	WORK-PC
%HOMEDRIVE%	C:
%HOMEPATH%	\Users\John
%LOCALAPPDATA%	C:\Users\John\AppData\Local
%ProgramData%	C:\ProgramData
%ProgramFiles%	C:\Program Files (x86)
%ProgramFiles(x86)%	C:\Program Files (x86)
%ProgramW6432%	C:\Program Files
%PUBLIC%	C:\Users\Public
%SystemDrive%	C:
%SystemRoot%	C:\Windows
%TEMP%	C:\Users\John\AppData\Local\Temp
%TMP%	C:\Users\John\AppData\Local\Temp
%USERNAME%	John
%USERPROFILE%	C:\Users\John
%windir%	C:\Windows

Profile Chaining

Profile chaining allows you to link multiple [profiles](#) so that they are started one after the other in a specific order. The profile chaining is available from the AllSync [Professional](#) Edition.

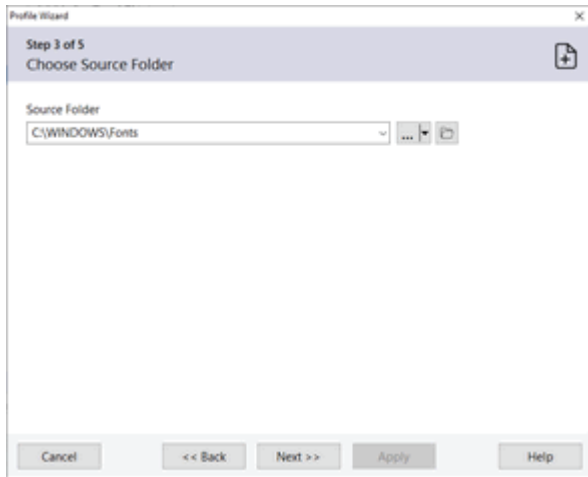
All profiles that you can link together are displayed in a table. The profiles in the table can be linked to each other using [Drag & Drop](#). To do this, click on a profile with the left mouse button, hold down the mouse button and drag the profile to another profile and then release the mouse button.

Table Columns

- Folder
The folder in which the profile is located.
- Profile
The name of the profile.
- Activated
Here you can enable/disable chaining.
- CopyOp
Start chained profile with a copy operation.
- CopyPrev
Start chained profile with a copy preview.
- Sch
Start chained profile with the scheduler.
- CL
Start chained profile when using the command-line.
- Delete
This allows you to remove the chaining.

Profile Assistant

The profile assistant supports you in creating new profiles in order to make basic settings for a copy process between two directories.



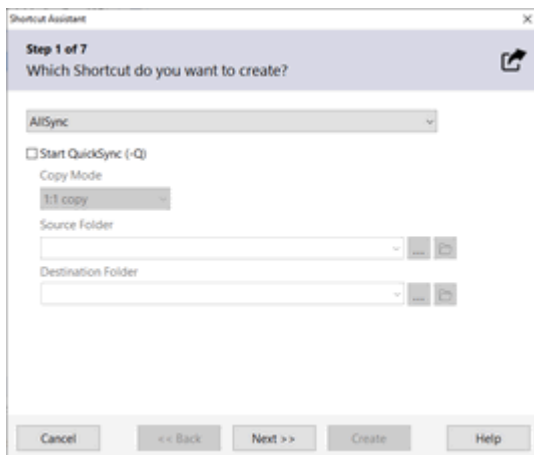
The following steps are performed using the assistant:

1. Specify the profile name
2. Specify the [copy mode](#)
3. Choose [source folder](#)
4. [Exclude](#) subfolders in source folder
5. Choose [destination folder](#)
6. [Exclude](#) subfolders in destination folder
7. Select options

After all these steps have been completed, the assistant can be exited by clicking on the 'Apply' button. The [profile properties](#) are then displayed, enabling additional settings to be made.

Shortcut Assistant

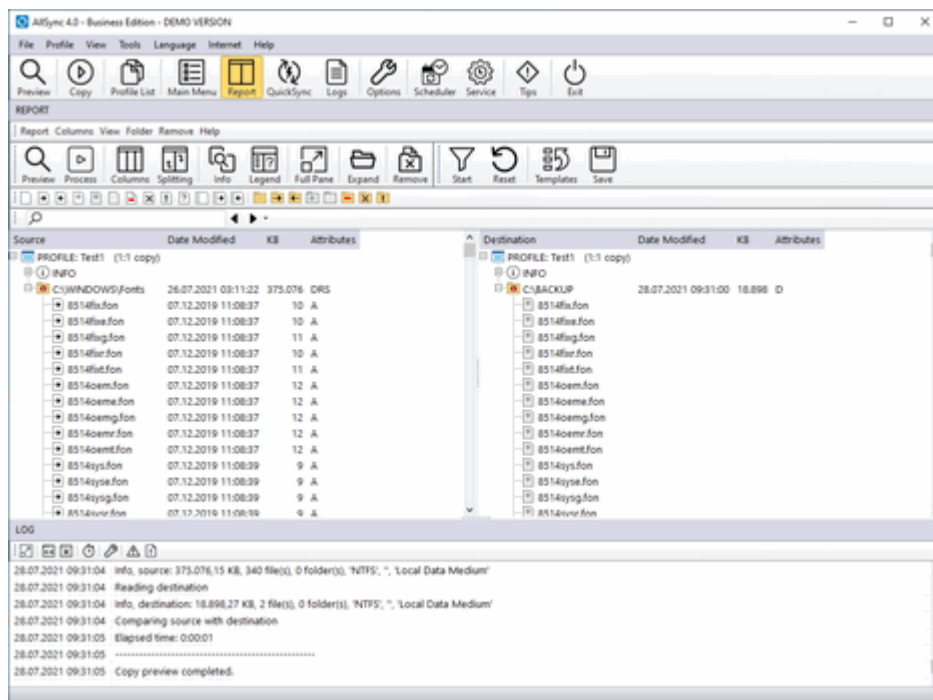
AllSync's *Shortcut Assistant* enables you to conveniently create shortcuts of your [profiles](#) on your desktop and in other locations. This enables you, for example, to start a copy operation with a single mouse click without having to start the main application. The *Shortcut Assistant* can be called up via the AllSync [menu bar](#) under the menu item 'Profile'.



Course of action:

1. Select what sort of shortcut is to be created.
2. Select the profiles to be started with this shortcut.
3. Select a location where the shortcut is to be saved.
4. Enter a name for the shortcut.
5. Select an icon for the shortcut.
6. Select an additional option.
7. Create the shortcut.

Report Window



- [Copy Preview](#)
- [Copy Operation \(Copying\)](#)
- [Report Columns](#)
- [Report Filter](#)
- [Report Legend](#)
- [Options](#)
- [Menu Bar](#)
- [File Context Menu](#)
- [Folder Context Menu](#)

Copy Preview

When a copy preview is created, the contents of the [source and destination folders](#) are conveniently displayed in an easy-to-read manner in the two report windows. The [icons](#) in front of a folder or file show you directly which action AllSync will perform on that item. The actions shown of files and folders can be modified via the [context menu](#). The command 'Process Copy Preview' enables all actions of the copy preview to be processed.

Copy Operation (Copying)

After a copy operation, all the actions performed are shown in the two report window panes, so you can examine them. This can be deactivated in the [General \(Options\)](#) (cf. [Profile Properties](#)).

Report Columns

The report features the following columns:

- Source or Destination Folder
- Modified Date
- Creation Date
- File Size
- Attributes

Report Filter

The report filter enables you to quickly get a better picture of the files and folders that are not needed on the basis of their [icons](#) in the report. To do this, select all the file and folder buttons on the toolbar of the report filter to be shown in the report, followed by initiating filtering.

Report Legend

The [report legend](#) is a list of icons with a short description that can be displayed in the report window.

Options

You can make additional settings for the report window in AllSync's general [Options](#):

- [Report Colors](#)
- [Report Window](#) options
- [Copy Preview](#) options

Menu Bar

Report

- Create Copy Preview of All Profiles in Report
- Process Copy Preview
- Delete Report
- Print Source Report
- Print Destination Report
- [Options](#)

Columns

- Optimize Column Width
- Show Column 'Modified Date'
- Show Column 'Creation Date'
- Show Column 'Last Accessed Date'
- Show Column 'Attributes'
- Show Column 'File Size'
- Automatic File Size Formatting

View

- Toggle Report Tiling
- Show File Info Table
- Maximize Report Window
- Grid lines

Folder

- Open All Profiles
- Close All Profiles
- Open All Subfolders
- Close All Subfolders
- Open All Folders Containing Actions
- Open All Folders Containing Actions (Without Filtering)
- Open All Folders Containing Copy Actions

Remove









- [Remove Identical Files and Folders Without Any Actions](#)
- [Remove Files + Folders Without Any Actions Or Not Present](#)
- [Remove Filtered Files And Folders](#)
- [Remove Filtered Files And Folders Without Any Delete Actions](#)
- Remove All Files Without Any Date Conflict
- Remove All Profiles Without Any Entries Below Source and Destination






?

- [report legend](#)
- Help

File Context Menu









The following commands can be accessed via the [context menu](#) of a file:







COMMAND	DESCRIPTION
 No Action	Undoes the action performed to the file (keyboard shortcut: 1).
 Copy	Sets the file action to 'Copy' (keyboard shortcut: 2).
 Delete	Sets the file action to 'Delete' (keyboard shortcut: 3)
 Filter	Sets the file action to ' Filter ' (keyboard shortcut: 4).
 File Conflict Action	Performs the File Conflict Action with this file (keyboard shortcut: 5). A copy is made, recognizable by the *.COPY extension. For more information, see Synchronization Conflicts.
 Open	Causes a file to be opened using the application associated with it.
 Open with	Enables you to select an application to open the file.
 Compare	This causes the file to be opened along with the file on the other side using a specified program for the purpose of comparing the two files. See File Comparison .

COMMAND	DESCRIPTION
 Open Folder	Opens the file folder with the Windows Explorer.
 Properties	Shows the properties of a file.
 Windows Explorer Context Menu	This causes the Windows Explorer context menu for the selected file to be shown.
 Copy to Clipboard	Enables the file path to be copied to the Windows Clipboard.
 Add to Filter List	Enables either the name or the entire path of files to be added to the Filter list .

Folder Context Menu



















The following commands can be accessed via the [context menu](#) of a folder:






COMMAND	DESCRIPTION
 No Action	Undoes the action performed to the folder (keyboard shortcut: 1).
 Copy	Sets the folder action to 'Copy' (keyboard shortcut: 2).
 Delete	Sets the folder action to 'Delete' (keyboard shortcut: 3).
 Filter	Sets the folder action to ' Filter ' (keyboard shortcut: 4).
 Copy all files in this folder	Sets the action to be performed to all the files in this folder to 'Copy' (keyboard shortcut: 8).
 Copy all files and subfolders in this folder	Sets the action to be performed to all the files and subfolders in this folder to 'Copy' (keyboard shortcut: 9).
 No action for any files in this folder	Undoes the action to be performed to all the files in this folder (keyboard shortcut: 6).
 No action for all files and subfolders	Undoes the action to be performed to all the files and subfolders in this folder (keyboard shortcut: 7).

COMMAND	DESCRIPTION
 Expand/Collapse all subfolders	Expand or collapse all subfolders
 Open	Opens the folder with the Windows Explorer.
 Properties	Shows the properties of the folder.
 Windows Explorer Context Menu	This causes the Windows Explorer context menu for the selected folder to be shown.
 Copy to Clipboard	Enables the folder path to be copied to the Windows Clipboard.
 Add to Filter List	Enables either the name or the entire path of the folder to be added to the Filter list .

Report Legend

The report legend is a list of icons with a short description that can be displayed in the [report window](#).

ICON	DESCRIPTION
 Info	Statistical information pertaining to the operation.
 Error	Number of error messages occurring during a copy operation.
 File with no actions	No actions are to be performed to this file.
 Copy file to the right	File to be copied to the right (destination).
 Copy file to the left	File to be copied to the left (source).
 Overwrite file	The file will be overwritten by the file on the other side.
 File to be created	The file is not present and is to be created.
 File not present	The file is not present.
 File to be filtered	The file is filtered .
 File to be deleted	This file is to be deleted.
 File containing error	This file has generated an error.
 File Conflict	This file has changed at the source and destination since the last sync operation .
 Identical file newly presented at source + destination	This file has been added since the last sync operation and is identical at the source and destination.
 File Conflict Action	Performs the specified file conflict action .
 File Conflict Action	Performs the specified file conflict action .
 Folder with no actions	No actions are to be performed to this folder.
 Folder to be created	The folder is not present and is to be created.
 Folder not present	The folder is not present.

ICON	DESCRIPTION
 Create folder at source	The folder is not present on the left side (source) and is to be created there.
 Create folder at destination	The folder is not present on the right side (destination) and is to be created there.
 Folder to be filtered	This folder and all its subfolders are to be <u>filtered out</u> .
 Folder to be deleted	This folder and all its subfolders are to be deleted.
 Folder containing error	This folder has generated an error.

Progress Indicator

The progress indicator is displayed during a copy operation or copy preview and allows you to monitor the status of an operation. Here you get information about which profile is running, which source and target folders are being processed and what action is currently being performed. You can also stop the process at any time, continue it again or cancel it completely.

Operation

Info, Progress & Duration

Information, progress and the duration of the entire operation of all profiles are shown here.

Profile, Duration & Copy Mode

The name, duration and [copy_mode](#) of the current [profile](#) is shown here.

Folder Pair

The number and progress of the folder pairs of the current profile undergoing processing are shown here.

Source & Destination

The [source](#) and [destination folders](#) of the current folder pair are shown here.

Processing

The folder currently undergoing processing is shown here.

Progress & Duration

The progress between the folders of a folder pair is shown as a progress bar in percent. The duration and the number of files and folders already processed are also shown. Note: To have the progress indicator displayed, activate the option [Show progress between source and destination folder as a percentage](#) in the [Profile Properties](#).

Last Action

The last action completed or currently in progress is shown here.

Options

Set application priority to 'low'

Activate this option if your system is overburdened by the current operation and other applications take too long to respond to user input.

Reduce hard disk accesses per second

This option enables you to reduce the number of hard disk accesses per second so that other applications do not become sluggish. The pause is specified in milliseconds and takes place when reading the source and destination data after each file/folder found.

Upon completing the copy operation:

This option enables you to perform one of the following actions after the copy operation:

- Shut down computer
- Shut down Windows
- Restart Windows
- Log off user
- Standby
- Hibernate
- Shut down AllSync
- Lock computer

You can also specify that the action not be performed in the event of errors.

Create copy preview of all profiles after copy operation

This option causes a copy preview to be created of all profiles after the copy operation.

Log Manager

With the log manager you can view the following logs directly in the program:

- AllSync log
- [Scheduler log](#)
- [Scheduler Service log](#)
- [QuickSync log](#)
- Error log
- ZIP log

Profile Logs

In the [Profile List](#), click on a profile to display its log in the log manager's log window.

Log Window

You can adjust the font size of the log window by first clicking in the log window and then holding down the Ctrl key and turning the mouse wheel.

Log Pane

Information and messages pertaining to a copy operation are shown in the log pane.

Toolbar

- Maximize Log Window
- Change Position
This allows the log window to be positioned either at the bottom or on the right side of the window.
- Optimize Column Width
- Clear Log Window
- Calculate the expenditure of time for all actions at the log window
- Options
- Show [Error](#) Information
- Show Error Log

Context Menu

You can show up the context menu by right-clicking on a log line.

Standard Menu

- Copy to clipboard
You can use this to copy the marked log lines to the Windows clipboard.
- Show [Error](#) Information
- Maximize Log Window

Menu in case of an error message

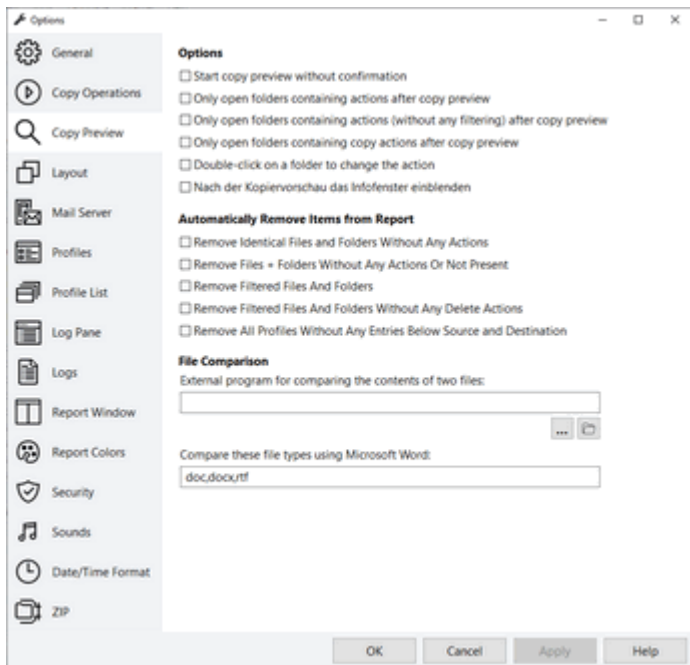
The following menu options are available for a log line with an error message that occurred when copying a file:

- Copy to clipboard
With this you can copy the complete log line to the Windows clipboard or copy the file or folder path of the displayed source and target file to the clipboard.

- Open Folder
Allows you to open the folder of the displayed source or target file with Windows Explorer.
- File Lock Tool
Allows you to check the source or target file with [File Lock Tool](#).
- Show help for error no. XX
This will show you information about the error message.
- Search for error no. XX on the internet
This opens your web browser and starts a search for the [Error message](#).

Options

Various options allow you to adjust the basic settings of AllSync. The options window can be called up via the AllSync [menu bar](#) under the menu item '**Tools**'.



- [General](#)
- [Copy Operations](#)
- [Copy Preview](#)
- [Date/Time Format](#)
- [Folder Templates](#)
- [Layout](#)
- [Log Pane](#)
- [Logs](#)
- [Mail Server](#)
- [Profiles](#)
- [Profile List](#)
- [Report Window](#)
- [Report Colors](#)
- [Security](#)
- [Sounds](#)
- [Zip](#)

AllDup Optionen

General

Location of Application Data

This enables you to specify the folder in which AllSync's application data is to be stored. The following settings are available:

- Use this folder for all users
With this option, all Windows users use the same application data for AllSync. The folder can be freely selected from the AllSync [Professional](#) Edition onwards.
- Use the Application Data system folder of the user currently logged in
This causes the application data to be automatically stored in the '[Application Data](#)' system folder accessible by the user currently logged in. Each Windows user thus has their own application data for AllSync.

The following subfolders are located in the specified storage location:

- Folder 'Log'
All log files (*.txt) are stored in this folder.
- Folder 'Archive'
All [archived](#) log files (*.txt, *.zip) are stored in this folder.
- Folder 'Profile'
All [profiles](#) (*.a4p), profile logs (*.txt) and [profile icons](#) (*.ico) are stored in this folder.
- Folder 'Task'
All [tasks](#) (*.a4t) and their log files (*.txt) are stored in this folder.
- Folder 'Scripts'
All VB sample scripts (*.vbs) are located in this folder.
- Folder 'Screenshot'
All created screenshots of the profile properties are stored in this folder.

Updates

This option causes AllSync's [Internet-Update](#) to be started at specified intervals and a check to automatically be conducted for a new version of AllSync on the AllSync website.

Copy Operation

Options

Start copy operation without confirmation

This causes a copy operation to be initiated without any confirmation.

Don't calculate size of source and destination folders when copy operation is aborted

When activated, this option causes the size of source and destination folders not to be computed when the copy operation is aborted.

Terminate copy operation upon reaching this number of errors:

This option causes the copy operation to be terminated when a specific number of errors is exceeded.

Create copy preview of all profiles after copy operation

This option causes a copy preview to be created of all profiles after the copy operation.

Open all subfolders after copy operation

This option causes all the subfolders at the source and destination to be opened after the copy operation.

Copy Preview

- [Options](#)
- [Automatically Remove Items from Report](#)
- [File Comparison](#)

Options

Start copy preview without confirmation

This causes a copy preview to be generated without any confirmation.

Only open folders containing actions after copy preview

After a copy preview this causes all folders to be opened in which at least one file or folder action is to be performed.

Only open folders containing actions (without any filtering) after copy preview

After a copy preview this causes all folders to be opened containing at least one file and folder action and no filter action.

Only open folders containing copy actions after copy preview

After a copy preview this causes all folders to be opened containing at least one copy action.

Double-click on a folder to change the action







This option enables double-clicking on a folder to change its action.

Automatically Remove Items from Report

Remove Identical Files and Folders without Any Actions















This option causes all files and folders featuring the following [actions](#) (source and destination) in the [report](#) to be removed after a copy preview:

SOURCE	DESTINATION

SOURCE	DESTINATION
 File with no actions	 File with no actions
 Identical file newly presented at source + destination	 Identical file newly presented at source + destination
 Folder with no actions	 Folder with no actions











Remove Files + Folders Without Any Actions Or Non-present







This option causes all files and folders featuring the following [actions](#) (source and destination) in the [report](#) to be removed after a copy preview:

SOURCE	DESTINATION
 File with no actions	 File with no actions
 Identical file newly presented at source + destination	 Identical file newly presented at source + destination
 File not present	 File with no actions
 File with no actions	 File not present
 Folder with no actions	 Folder with no actions
 Folder not present	 Folder with no actions
 Folder with no actions	 Folder not present

Remove Filtered Files And Folders













This option causes all files and folders featuring the following [actions](#) (source and destination) in the [report](#) to be removed after a copy preview:

SOURCE	DESTINATION
 File to be filtered	 File to be deleted
 File to be filtered	 File to be filtered
 File not present	 File to be filtered
 File to be filtered	 File not present
 Folder to be filtered	 Folder to be deleted

SOURCE	DESTINATION
 Folder to be filtered	 Folder to be filtered
 Folder not present	 Folder to be filtered
 Folder to be filtered	 Folder not present

Remove Filtered Files And Folders Without Any Delete Actions

This option causes all files and folders featuring the following [actions](#) (source and destination) in the [report](#) to be removed after a copy preview:

SOURCE	DESTINATION
 File to be filtered	 File to be filtered
 File not present	 File to be filtered
 File to be filtered	 File not present
 Folder to be filtered	 Folder to be filtered
 Folder not present	 Folder to be filtered
 Folder to be filtered	 Folder not present

Remove All Profiles Without Any Entries Below Source and Destination

This option causes all profiles to be removed from the report that don't have any entries below the source and destination.

File Comparison

The following options provide for the **'Compare'** feature during a copy preview. This feature can be accessed via the [context menu](#) of a file.

External program for comparing the contents of two files:

This option enables you to specify an external [file comparison utility](#) to be used to call the source and destination files. The source and target file to be compared must be specified in a separate text field using the placeholders %1 and %2.

Compare these file types using Microsoft Word:

This option enables you to specify various file extensions that can then be called using the compare function of Microsoft Word. Each of the file extensions has to be separated by a comma. Example: doc, docx, rtf

Date/Time Format

Display of date and time

Here you can specify which format should be used for displaying the date and time in the program. You can use the Windows system settings or define your own formats using various [placeholders](#).

Compatibility

This shows you if your time format settings are compatible with the options for [deleting old log entries](#). If you have activated the options for 'deleting old log entries' and your settings are not compatible, then all log entries will always be deleted! In this case, you must adjust your settings to be compatible with deleting old log entries.

First Day of the Week

- Use system settings
- Sunday
- Monday
- Tuesday
- Wednesday
- Thursday
- Friday
- Saturday

First Week of the Year

- Use system settings
- January 1
- The first week that has at least four days in the new year
- The first full week of the year

Folder Templates

With the folder templates, you have the option of quickly and easily selecting predefined folders in various program areas without having to spend time selecting them via the tree structure or entering them manually. The predefined folder templates are accessed via a text field with a drop-down list. If you use a folder that does not yet exist in the list of folder templates, it will be added automatically.

The folder templates are available in the following program areas:

- Profile Properties
- Profile Assistant
- Scheduler Task properties
- AllSync Speed-Test
- AllSync QuickSync
- AllSync Data Backup - Export
- AllSync Internet-Update

Options

Disable folder templates anywhere in the program

With this option, the folder templates will be hidden everywhere in the program.

Disable automatic addition of new folder templates

This option prevents new folders from being automatically added to the list of folder templates.

Layout

Options

Save window position and size on exit

This option causes the window position of AllSync to be saved upon exiting and restored the next time AllSync is started.

Display AllSync as icon on taskbar when minimized

With this option, Allsync is only displayed as an icon in the notification area of the Windows taskbar.

Animate icon during a copy operation

With this option, the icon in the notification area of the Windows taskbar is animated during a copy operation.

User Interface

Theme

Here you can change the color design of the user interface.

Dark Mode

This option allows you to set the interface appearance from light to dark. Changing this option requires a restart of AllSync.

Hide GUI objects

This option enables you to hide the following objects in the user interface:

- [Menu Bar](#)
- Toolbar
- [Profile List](#)
- [Log Pane](#)
- Button 'Show Password in Clear Text'

Log Pane

Options

Font

Here you can specify the font for the [log.pane](#).

Logs

Options

Delete error log file before every copy operation

This causes the general error log file to be deleted before every copy operation.

Delete profile log file before every copy operation

This causes the profile log file to be deleted before every copy operation.

Delete entries from the general log file when they are more than ... day(s) old

With this option, when AllSync starts, the log file '[allsync.txt](#)' is checked and all log entries that are older than the number of days you specified are deleted.

- Please note the '[Compatibility](#)' section under the [Time format](#) option.
- When deleting old log entries, a new log file is always created first and then the old log file is deleted.

Open log files using the AllSync text editor

This causes all log files to be opened in AllSync's internal text editor. When you deactivate this option, the log files are opened with the application associated with the file extension ".txt".

Delete daily log files if they are older than ... day(s)

This causes daily log files to be automatically deleted after a specified number of days at the start of AllSync. See option [Log all files copied during a copy operation to a daily log file](#) at the profile properties.

Archive log files if they are larger than ... MB

With this option, log files of a certain size can be moved to the [archive folder](#). The option is available from the AllSync [Professional](#) Edition.

Optionally, the log files can be stored as a compressed ZIP file in the archive folder to save storage space. Each moved log file is stored in the archive folder with a sequential numbering, such as "allsync_0001.txt" or "allsync_0001.zip".

The following log files can be archived:

- allsync.txt ¹
- scheduler.txt ²
- servicetool.txt ³
- service.txt ⁴
- error.txt ¹
- zip.txt ¹

¹ The check is carried out when AllSync starts.

² The check is carried out when the [AllSync Scheduler](#) is started.

³ The check is carried out when the [AllSync Service Tool](#) is started.

⁴ The check is carried out when the [AllSync service](#) starts.

Mail Server

Here you can specify a Mail Server to send e-mails with AllSync. These e-mail options can be set up at the [AllSync's Options](#) and the [Scheduler options](#).

Mail Server

Here you specify the address and port of the SMTP server to be used when sending e-mails.

E-Mail Account

E-Mail

The e-mail address used to send the logs.

Sender

Name of sender, e.g. "AllSync Info"

Subject

Subject of the e-mail. The following placeholders can be used:

PLACEHOLDER	DESCRIPTION
%1	This displays the profile name or task name in the subject of the e-mail.
%2	This displays the text "[ERROR]" in the subject of the e-mail if an error has occurred during the copying process. This text is automatically displayed at the end of the subject if the placeholder %2 has not been specified.
%3	This displays the text "[OK]" in the subject of the e-mail if no error occurred during the copying process.
%D	This displays the current date in the subject of the e-mail.
%T	This displays the current time in the subject of the e-mail.

Profiles

Options

Use profile template when creating new profiles

This causes the settings of the [profile template](#) to be automatically used when creating a new profile.

Show Profile Assistant when creating new profiles

This causes the [Profile Assistant](#) to be popped up when creating a [new profile](#).

Set the application priority to 'low' when starting a profile

Activate this option if your system is overburdened while executing a profile and other applications take too long to respond to user input. AllSync's application priority is set back to 'normal' when completing the profile.

Reduce hard disk accesses per second

This option enables you to reduce the number of hard disk accesses per second so that other applications do not become sluggish. The pause is specified in milliseconds and takes place when reading the source and destination data after each file/folder found.

Profile Properties

Show only the 'Folders' menu item in the profile properties

Activating this option causes only the Folder menu item to be displayed when opening the profile properties.

Activate and hide the Expert View option at the profile properties

With this option, the expert view is always activated and hidden in the profile properties.

Disable source and destination folder overlap checking

This option disables checking if a folder in the source or destination folder list overlaps another folder.

Profile List

Options

No confirmation when deleting profiles or folders

Activating this option deactivates the confirmation prompt when deleting profiles and folders.

Save profile activation status on exiting AllSync

This causes the activation status (checkbox) of the [profiles](#) and folders of the profile list to be saved and restored the next time AllSync is started.

Show Copy Mode column

This causes the [Copy Mode](#) column to be shown in the [profile list](#).

Show Last Run column

This causes the **'Last Run'** column to be shown in the [profile list](#).

Font

Here you can specify the font for the [profile list](#).

Folder Icon

Here you can select the icon to be used for folders at the [profile list](#).

Report Window

Options

Open info statistics in report upon completing copy operation

Activating this option causes the 'Info' report entry to be automatically opened after an operation.

Show error messages in dialog window after operation when errors have occurred

This option causes a dialog to be popped up after an operation when errors have occurred.

Tile report window horizontally

This option causes the report window to be split horizontally so that the two [report window panes](#) are not displayed side by side but on top of one another.

Unicode-Support

This option enables AllSync to display Unicode characters from languages such as Chinese, Japanese, Korean or Russian at the [report](#).

Which columns are to be shown in the report?

The following [columns](#) can be shown in the report:

- Date Modified
- Date Created
- Date Last Accessed
- Attributes
- File Size

Horizontal Spacing

Here you can specify the horizontal spacing of the [report entries](#).

Font

Here you can specify the font for the [report window](#).

Report Colors

Here you can specify the color rendering of all [actions](#) in the [report window](#).

Approach:

1. Select one or multiple actions from the list
2. Click with the left mouse button on a color palette to change the text color
3. Click with the right mouse button on a color palette to change the background color

You also can hold the mouse button and move the mouse over the color palette to change the color.

Security

This enables you to password-protect certain parts of AllSync:

- AllSync
- AllSync [Options](#)
- AllSync [Internet-Update](#)
- [AllSync Scheduler](#)
- AllSync Scheduler [Options](#)
- AllSync Scheduler [Add/Edit Task](#)
- [AllSync Service Tool](#)
- [Profile Properties](#)

Sounds

Here you can specify that a sound file is played for various events.

When starting an operation

When starting a copy preview, a copy process or working through a copy preview.

When an operation completes

When ending a copy preview, a copy process or the processing of a copy preview.

When an error message occurs during an operation

If an error occurs during a copy preview, a copy process or the processing of a copy preview.

When changing profiles

When you start an operation with multiple profiles and the next profile is started.

Zip

Create temporary ZIP files in this folder

With this option, a ZIP file is first created in the specified folder and then moved to the destination folder.

Create temporary ZIP file for which of these operations?

Here you can specify when the temporary ZIP file is to be created:

- [Backup](#) copy mode
- Profile properties / [data protection](#)
- Copy option [store source file as compressed ZIP file at destination](#)

Important Information:

- The folder should be located on a local hard drive with sufficient free disk space.
- If you don't use this option, the ZIP file is created directly in the destination folder. This may lead to substantial performance loss on network drives and error messages when using storage media like CDs or DVDs.
- This option has to be activated so that the items in an existing ZIP file can be updated.

AllSync 4 Data Backup

With data backup, you can back up the AllSync 4 application data to a ZIP file and restore it if necessary. Please note that you cannot import backups from [older](#) versions of AllSync. The data backup can be started in the AllSync [menu bar](#) under the menu item 'File'.

The following AllSync application data can be backed up:

- Options ([AllSync](#), [Scheduler](#), [Service Tool](#))
- Logs (AllSync, Scheduler, Service Tool)
- [Profiles](#) & logs
- Scheduler [tasks](#) & logs
- [VBScripts](#)
- [Archived log files](#)

Export

Allows you to back up AllSync application data to a ZIP file:

1. Choose which application data you want to back up.
2. Specify in which folder the ZIP file with the data backup should be saved.
3. Then click on the 'Export' button to start the data backup.

Backup File

The name of the backup file can contain various [placeholders](#) for the date and time. If you want to use normal text, it has to be inserted in double quotes so that it isn't incorrectly interpreted as a placeholder. Example: "AllSync4Backup" yy_mm_dd hh_mm_ss

Note: An existing backup file with the same name will be automatically deleted before export.

Import

Here you can restore the AllSync application data backup:

1. Select a backup file created with AllSync version 4.
2. Select all application data to be imported.

3. Terminate the scheduler service with the [Service Tool](#) if it is still running in the background.
4. Close the [Scheduler](#) and the Service Tool so that the application data can be imported correctly.
5. Click the 'Import' button.
6. Information about the imported application data will be displayed in the log window.
7. Click the 'Restart' button to restart AllSync and apply the imported data.

Info: You can also import the backup without AllSync by unzipping the contents of the backup file into the AllSync [application data](#) folder.

AllSync Internet-Update

AllSync's *Internet-Update* enables you to check whether a new version of AllSync is available for download and to install it, if necessary. The *Internet-Update* can be called up via the AllSync [menu bar](#) under the menu item '**Internet**'.



Version

Clicking on the '**Check**' button causes a check to see whether a new version is available. Clicking on '**Download**' causes the new version to be downloaded and installed. Information's about a new version are displayed at the log window. In addition, all logging information is written to '**InternetUpdate.log**', located in AllSync's '**Logs**' subdirectory.

Options

Automatically check for new version

This option causes a check to automatically be conducted for a new version of AllSync on the AllSync website every time you open the Internet-Update dialog.

Show Setup dialog when installing an update

Not activating this option cause updating to take place in the background, without any dialog being popped up.

Download Folder

Here you can specify the folder in which the update file for the new version should be saved

Proxy

If necessary, you can specify the access data for your proxy server here.

Data Privacy

When checking for a new version, only a text file containing information is downloaded from our website and evaluated. No private data on your computer is transmitted via the Internet.

Command Line

AllSync can be called via various parameters and thus be integrated in other programs, processes and workflows.

- [Syntax](#)
- [Command-Line Parameters](#)
- [Options](#)
- [Profiles](#)
- [Profile Folders](#)
- [Examples](#)

Tip: You can access most commands and options with mouse-click ease via the [Shortcut Assistant](#).

Syntax

AllSync.exe -command -option "profile" "profile_folder" ...

Note: the commands and options are case-sensitive, meaning a distinction is made between uppercase and lowercase letters when making entries.

Commands

PARAMETER	DESCRIPTION
-k "profile"	AllSync is started and a copy operation performed for all the profiles specified.
-r "profile"	AllSync is started and a copy preview created for all the profiles specified.
-ra "profile"	AllSync is started and a copy preview created for all the profiles specified. This is followed by the copy preview being automatically processed.
-h "profile"	Starts a copy operation using the profiles specified, this being done in the background without AllSync's GUI. Only the progress indicator is displayed during the copy operation. AllSync automatically shuts down afterwards.

PARAMETER	DESCRIPTION
-Q[1-5] "folder1" "folder2"	This command enables you to pass two folders to QuickSync and a copy preview to be generated. The -Q command has to include a number from 1 to 5 for a copy_mode : <ol style="list-style-type: none"> 1. 1:1 copy 2. Update 3. User-defined 4. Sync 5. Populate 6. Backup
-S	Starts AllSync Scheduler .
-ST	Starts AllSync Service Tool .
-l:"licensee", "license key"	This command enables the license key to be inputted without having a dialog popped up.
-LIC	This command enables the dialog for license data to be popped up again.
- ServiceUninstall	Use this command to uninstall AllSync Scheduler.
-InstallService	Use this command to install AllSync Scheduler.

Options

PARAMETER	DESCRIPTION
-s	This causes a confirmation dialog to be popped up before the copy operation for the -h, -x or -xe parameter.
-e	This causes a confirmation dialog to be popped up after the copy operation for the -h, -x or -xe parameter.
-np	This causes profile chaining to be deactivated.
-a	This causes AllSync Scheduler (-S) to be automatically activated upon starting AllSync.
-m	This causes AllSync to be started in a minimized window.

PARAMETER	DESCRIPTION
-X[0-7]	<p>This enables you to specify which action is to be performed for commands -k, -ra and -h when a copy operation has completed:</p> <ul style="list-style-type: none"> 0. Shut down computer 1. Shut down Windows 2. Restart Windows 3. Log off user 4. Standby 5. Hibernate 6. Exit AllSync 7. Lock computer
-XE[0-7]	<p>This option causes the same thing to be performed as -X, however, the selected action is performed only if no errors occurred during the copy operation.</p>
-Xf	<p>Forces the following actions of the options -X and -XE and terminate all blocking applications:</p> <ul style="list-style-type: none"> 0. Shut down computer 1. Shut down Windows 2. Restart Windows 3. Log off user
-rh	<p>This option causes all connected storage devices used via a source and destination folder to be safely removed after a copy operation. This option causes the general profile property Safely remove hardware after copy operation to be automatically deactivated.</p>
-ServiceLogon[0-1]	<p>Logon account for the 'InstallService' command.</p> <ul style="list-style-type: none"> 0 = Local system account 1 = User account
-ServiceStart[0-2]	<p>Startup mode for the 'InstallService' command.</p> <ul style="list-style-type: none"> 0 = Automatic 1 = Manual 2 = Deactivated

PARAMETER	DESCRIPTION
-ServiceUser="{user account}"	Name of the user account for the 'ServiceLogon1' option.
-ServicePW="{password}"	Password of the user account for the 'ServiceLogon1' option.

Profiles

You should bear the following in mind when specifying profiles:

- The profiles have to be located in AllSync's [Profiles folder](#).
- The profile name has to be given in double quotes.
- The file extension of a profile (.a4p) doesn't have to be specified.
- You don't need to specify the path of AllSync's 'Profiles' folder.

Examples using a profile named 'Favorites':

- "Favorites.a4p"
- "Favorites"
- "Private\Favorites"
- "C:\AllSync\Profile\Private\Favorites.a4p"

Profile Folders

You should bear the following in mind when specifying profile folders:

- The profile folder has to be located in AllSync's [profile folder](#).
- The profile folder name has to be given in double quotes.
- You don't need to specify the path of AllSync's 'Profiles' folder.
- The profile folder has to be specified using a backslash (\) or backslash and asterisk (*). A backslash causes all the profiles in this folder to be read. A backslash with an asterisk additionally causes all the profiles in all subfolders to be read.

Examples using a profile folder named 'Work':

- "Work\"
- "Backup*"
- "Backup\Work\"
- "C:\AllSync\Profiles\Backup\Work\"

Examples

- AllSync.exe -S
Starts [AllSync Scheduler](#).
- AllSync.exe -S -a
Starts [AllSync Scheduler](#) and automatically activates it.
- AllSync.exe -k "Demo" "Backup" "Favorites"
Starts a copy operation using the profiles 'Demo', 'Backup' and 'Favorites'.
- AllSync.exe -k "C:\AllSync\Profiles\Work*"
 - Starts a copy operation using all the profiles located in the Work folder and its subfolders.
- AllSync.exe -r "Backup" "\Internet\Favorites"
Generates a copy preview using the profiles 'Backup' and 'Favorites'.
- AllSync.exe -r "BackupPro\
Generates a copy preview using all the profiles of the BackupPro folder.
- AllSync.exe -h "Demo"
Starts a copy operation using the profile 'Demo' in the background without the AllSync GUI.
- AllSync.exe -h -s "Backup" "Favorites"
Starts a copy operation using the profiles 'Backup' and 'Favorites' and displays a confirmation window before the copy operation.
- AllSync.exe -h -s -e "Demo"
Starts a copy operation using the profile 'Demo' and displays a confirmation window after the copy operation.

- AllSync.exe -Q4 "C:\Data" "D:\Data"

Generates a copy preview between the two folders using the [Sync](#) copy mode.

- AllSync.exe -l:"Licensee","License key"

AllSync is enabled using this license key.

- AllSync.exe -InstallService

Installs AllSync Scheduler as a service using the local system account and 'automatic' startup mode.

- AllSync.exe -InstallService -ServiceLogon1 -ServiceStart0 -ServiceUser="Admin" -ServicePW="pw"

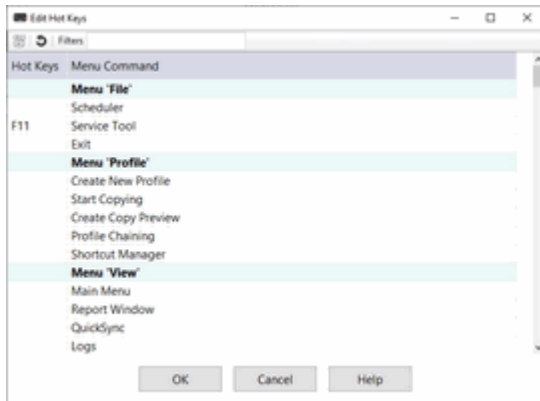
Installs AllSync Scheduler as a service using a user account and 'automatic' startup mode.

QuickSync

QuickSync enables you to generate a copy preview between two folders without having to set up a new [profile](#). QuickSync can also be integrated in other programs via the [command-line command](#) -Q.

Hot Keys

Here you can create keyboard shortcuts for all items of the menu bar and toolbar at the AllSync main window.



Click on a menu command at the list and press a key combination to set the shortcut for this item. Press the '**DEL**' key to remove the shortcut of a selected item. Using the key combination '**CTRL + DEL**' will delete the shortcuts of all items in the list.

The following keys can be used to create a shortcut:

- CTRL
- ALT
- SHIFT
- A-Z
- 0-9
- F2-F12
- Num0-Num9
- Backspace
- Enter (Return)
- Insert

Shortcut examples:

- CTRL + A
- ALT + 1
- SHIFT + L

- CTRL + ALT + M
- F2

File Lock Tool

With the *File Lock Tool* you can check which process is blocking access to a file. The *File Lock Tool* can be called up via the AllSync [menu bar](#) under the menu item '**Tools**' and is available from the AllSync [Professional](#) Edition.

How to use:

1. Select a file using the '**...**' button.
2. Click the '**Check**' button to determine the blocking process.

The following information about the blocking process will be displayed:

- The name of the process
- The process ID
- The complete file path of the process

Notes:

- The blocking process is identified only if error [32](#) or [33](#) occurs when opening the file.
- If you get error [5](#) when checking, then the user account with which AllSync was started does not have sufficient access rights to open the file.

ZIP-Tool

The ZIP-Tool enables you to check, unpack or list the contents of your created [ZIP files](#). The ZIP-Tool can be called up via the AllSync [menu bar](#) under the menu item 'Tools' and is available with the AllSync [Professional](#) Edition or higher.

The following actions are available via the toolbar:

- Extract ZIP file
- Check ZIP file integrity
- Show contents of ZIP file
- Display information about the ZIP file

ZIP file

Here you can add a ZIP file using the '...' button or select a previously selected ZIP file using the drop-down list. You can use additional buttons to open the selected ZIP file, open the storage location with Windows Explorer or remove the ZIP file from the drop-down list.

Password

Here you can set a required password for unpacking or checking the ZIP file.

Size format

Here you can specify the format for the size specification in the table and in the log. The following settings are possible: Automatic, Bytes, KB, MB and GB.

Actions

- Extract

Click the 'Extract' button to extract the selected ZIP file to the specified folder.

Extract to

The folder in which the content of the ZIP file is to be extracted is specified here.

Create file paths

This option specifies that files are extracted to the specified folder using their saved path. Otherwise, the file will be saved to the specified folder without the saved path.

Skip existing files

This option specifies not to overwrite existing files in the specified folder.

- Check

This action checks the ZIP file for errors. This unpacks and checks each individual file in the ZIP file in memory.

- Content

With this action, the entire content of the ZIP file will be displayed in the table. The following file information is displayed in the table:

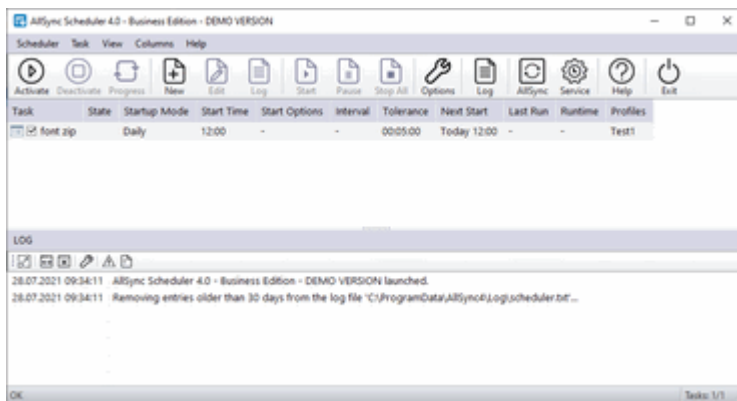
- File name
- File size unpacked
- File size packed
- Modified date
- Creation date
- File attributes
- [Compression method](#)
- Encrypted
- File path

- Info

This action lists various information about the zip file in the log.

AllSync Scheduler

The scheduler allows you to automatically start your [profiles](#) at a specific time, at a specific event or at recurring intervals. The settings for the automatic starting of one or more profiles are combined into a [task](#). The existing tasks are listed in the [Task list](#). The scheduler is available from the AllSync [Professional](#) Edition.



- [Tasks](#)
- [Important Information & Tips](#)
- [Task List](#)
- [Menu Bar](#)
- [Log Window](#)

Tasks

A [task](#) can be automatically started on the basis of the following [startup modes](#):

Scheduling/Timed Running

- [Once at a specified date and time](#)
- [Every day at a specified time](#)
- [On various days of the week at a specified time](#)
- [On various days of the month at a specified time](#)
- [At regular intervals on various days of the week](#)

Event Triggering

- [When starting Windows](#)
- [When shutting Windows down](#)
- [When connecting to a folder or drive](#)
- [When data in a folder change](#)
- [When activating the scheduler](#)
- [When the screen saver shows up](#)
- [When the system is idle](#)
- [When the computer wakes up from Standby or hibernation](#)
- [When the monitor enters Standby Mode](#)

Important Information

- AllSync Scheduler has to be **started** and **activated** so that activated tasks can be automatically started. You can have AllSync Scheduler be automatically started and activated when starting Windows by checking this option in the '**General**' section of AllSync Scheduler's [Options](#).
- The [AllSync Service Tool](#) enables you to also install AllSync Scheduler as a service.
- Shutdown of the Windows session by the user or the system is aborted when AllSync Scheduler is still in the process of running a task. The current task is aborted and AllSync Scheduler exited.

Task List

The task list contains all the [tasks](#) available.

COLUMN	DESCRIPTION
Task	Shows the name of the task. The task can be activated or deactivated via the checkbox before its name.
State	Shows the current task state: <ul style="list-style-type: none"> • Started • Paused • Completed • Completed with Error

Startup Mode	Shows the startup mode .
Start Time	Shows the start time .
Start Options	Shows several settings from the selected startup mode , e.g. Days of the Week, Months, etc.
Interval	Shows the interval , if present.
Tolerance	Shows the tolerance time .
Next Start	Shows the next time at which an activated task will be run.
Last Start	Shows when the task was last started.
Runtime	Shows the runtime of the last task run.
Profiles	Shows the names of all the activated profiles of a task.

The following actions are available via the [context menu](#) of a task:

- Edit Task
- Rename Task
- Copy Task
- Delete Task
- Show Task Log

Menu Bar

Scheduler

- Activate Scheduler
Activates AllSync Scheduler; tasks are started as scheduled by you.
- Log
Shows the Scheduler log.
- Options
Shows the [AllSync Scheduler options](#).
- Exit
Exit Scheduler

Task

- Start Task
Enables the task to be manually started or continued.
- Pause Task
Enables a task to be paused (temporarily discontinued).
- Stop Task
Enables a task to be stopped/canceled.
- Edit Task
Enables to edit the [task settings](#).
- Rename Task
Enables a task to be renamed.
- Copy Task
Enables a task to be copied.
- Delete Task
Enables a task to be deleted.
- Show Task Log
Shows the task log.

View

- Progress
For switching between the task list and the [progress indicator](#) during a copy operation.
- Grid Lines
Enables to change the display of the grid lines at the task list.

Columns

- Optimize Column Width
Optimize the column width at the task list.
- Show Column '...'
Enables to show or hide specific columns at the task list.

Import Tasks from Previous Versions

The Import Assistant enables you to import your scheduler tasks from AllSync version 2 or 3.

Notes

- AllSync 2: the tasks to be imported have to be saved with AllSync 2.7.60 or higher.
- AllSync 3: the tasks to be imported have to be saved with AllSync 3.5.134 or higher.
- Make sure that you import all profiles that you use in the tasks first and that they are in the same folder in the profile list. Otherwise you have to redefine the profiles in the task settings.
- For reasons of security, check all settings of the imported [tasks](#) before you use them.

Location of the Tasks

The task folder of version 2 or 3 is set here. AllSync attempts to automatically determine the location of the Version 2 or 3 task folder upon startup. Otherwise, you will have to manually select the task folder if it could not be determined.

Task List

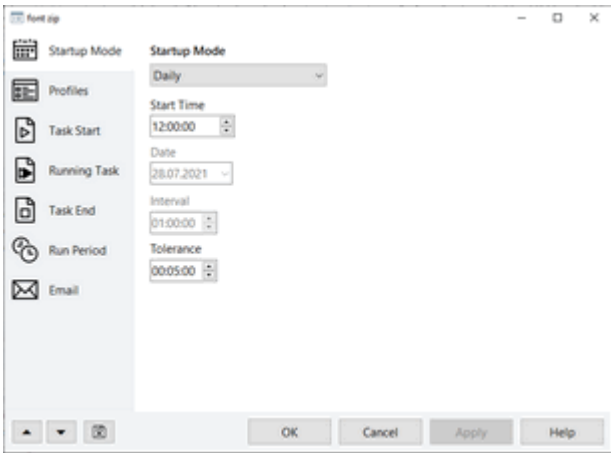
The list shows you all tasks found inside the specified location. Each task can be activated for the import operation as needed via the checkbox before its name.

Import

The button '**Import**' enables you to import all activated tasks from the list above and add them to the main task list.

Scheduler Task

A task is comprised of all the settings required for automatically running one or more profiles.



- [Startup Mode](#)
- [Startup Mode - Time/Date Settings](#)
- [Profiles](#)
- [Task Start](#)
- [Task Running](#)
- [Task End](#)
- [Run Period](#)
- [E-Mail](#)

Startup Mode

The Startup Mode enables you to start a task based on a time schedule or triggered by an event. The following Startup Modes are available:

- [Once](#)
- [Daily](#)
- [Weekly](#)
- [Monthly](#)
- [Interval](#)
- [Windows Start](#)
- [Windows Exit](#)
- [Link](#)
- [Monitoring](#)
- [Scheduler Activation](#)
- [Screen Saver](#)
- [System Idle](#)
- [System Wake-Up](#)
- [Monitor Standby](#)

STARTUP MODE	DESCRIPTION
--------------	-------------

Once	The task is run once at a specified date and time.
Daily	The task is run every day at a specified time.
Weekly	The task is run at a specified time on various days of the week. Additionally, you can also specify at which calendar weeks the task can be started.
Monthly	The task is run at a specified time on various days of the month. Additionally, you can also specify at which months the task can be started.
Interval	The task is run on various days of the week at regular intervals starting at the time specified and continuing until a specified end time. Additionally, you can also specify at which days of the week the task can be started.
Windows Start	<p>This startup mode causes the task to be started when the user logs on to Windows. Don't forget to activate the general AllSync Scheduler option Automatically start and activate AllSync Scheduler when starting Windows. You can suspend starting the task by keeping the 'CTRL' key pressed when starting AllSync Scheduler.</p> <p>Run only once a day</p> <p>This option forces to run the task only once a day.</p> <p>Notes pertaining to AllSync Scheduler Service</p> <p>When using AllSync Scheduler Service the task is started when starting Windows. No user logon to Windows is required. Use the Tolerance option to specify the maximum start time of your Windows system. The task is not started unless AllSync Scheduler Service is started within the specified tolerance period.</p>
Windows Exit	<p>This startup mode enables a task to be started when performing the following actions:</p> <ol style="list-style-type: none"> 1. Log off user 2. Restart / shut down Windows

At the scheduler options you can define what [rules](#) will be performed for every action.

Notes

- This startup mode has no effect when AllSync Scheduler is started as a service.
- You can suspend starting the task by keeping the 'CTRL' key pressed when shutting the Windows session down.
- When running a task the Windows shutdown dialog is displayed after a while; it can normally be ignored. If the task execution takes too long and Windows doesn't shut down automatically after the task is finished, activate the option [Increase waiting time until the Windows shutdown dialog is displayed](#).

Link

This startup mode causes a check to be conducted to determine whether a link has been **newly** established to the specified data source and whether the task has been successfully started. The data source is detected *anew* if it wasn't yet present during the previous check.

Monitoring

This startup mode enables you to monitor up to two folders for changes. The task will be started when the specified number of changes has been reached. The following changes can be detected when monitoring the folders:

1. Renaming, creation and deletion of files
2. Renaming, creation and deletion of folders
3. Attributes of files and folders
4. File size
5. File modified date
6. Access permissions of files and folders

Monitoring for changes can be optionally activated for all subfolders of the two folders. Monitoring can also be stopped when starting a task and then resumed after the task completes.

Interval

The '**Interval**' property enables you to specify that a pause of a minimum length is to be adhered to upon the conclusion of a task until

the task can be restarted.

Time Period between the Folder Accessible Checks

When activating the scheduler the specified folders will be checked for accessibility. If a folder is not available the next check will be performed after the specified time period until the folder is accessible.

Network Notes

In order for a folder to be monitored in the network, the user of AllSync Scheduler must be a member of the Backup Operators group. See Computer Management System Tools Local Users and Groups Groups Backup Operators Add to Group.

Monitored Changes

Here you get an overview of how many changes are registered for various file and folder actions in the monitored folder:

- Create new file (1)
- Rename file (1)
- Change file attributes (1)
- Change and save file contents with Notepad (1)
- Change and save file contents with Wordpad (2)
- Change and save file contents with Microsoft Word (2)
- Open file with Microsoft Word (2)
- Copy file to monitored folder (2)
- Move file to monitored folder (2)
- Create new folder (1)
- Rename folder (1)
- Change folder attributes (1)
- Copy empty folder to monitored folder (2)
- Move empty folder to monitored folder (2)
- Copy folder with 4 files to the monitored folder (2)
- Move folder with 4 files to monitored folder (2)

The number of registered changes for each action are shown in brackets. The file and folder actions in our tests were performed via Windows Explorer.

Scheduler Activation	With this Startup Mode the task will be started when the Scheduler becomes activated.
Screen Saver	With this Startup Mode the task will be started after the screen saver shows up. This start type has no function if the scheduler is started as a service . Additionally, you can specify to cancel the task after the screen saver was stopped.
System Idle	With this start type, the idle time of the currently logged-in user is determined and the task is started after a specified idle time. This start type has no function if the scheduler is started as a service . With the Interval property you can specify the idle time after which the task should be started.
System Wake-Up	With this Startup Mode the task will be started after the computer wakes up from the Standby mode or hibernation.
Monitor Standby	With this Startup Mode the task will be started after the monitor goes into Standby mode.

Startup Mode - Time/Date Settings

OPTION	DESCRIPTION
Start Time	Time at which the task is started.
End Time	This time specifies the end of the Interval . When you specify an end time of 00:00:00, the interval automatically ends at 12 midnight.
Date	Date on which the task is started using the startup mode Once .
Interval	This entry enables the interval for the startup modes Interval , Monitoring and System Idle to be specified.
Tolerance	This enables you to specify a timeframe within which a task can still be run if the task couldn't be started at the specified start time. This is necessary, for example, when another task is to run at the start time.

Days of the Week	Here you can specify the days of the week (Monday to Sunday) for the startup modes Weekly , Monthly and Interval .
Months	Here you can specify the various months of the year (January to December) for the startup mode Monthly .
Calendar Weeks	Here you can specify the various calendar weeks from 1 to 53 for the startup mode Weekly .
Calendar Days	Here you can specify the various days of the month from 1 to 31 and 'Last day of the month' for the startup mode Monthly .

Profiles

Here you can specify the profiles used to start the task. The profiles can be individually deactivated by unchecking the checkboxes. The 'Don't use profile chaining' option enables you to deactivate [profile chaining](#) for all profiles.

Task Start

Cancel task startup if the following folder could not be found

This option cancels the start of a task and displays a note in the log if the specified folder could not be found at start.

Start task immediately when last performed more than X days ago

This option causes a task to be started immediately upon activating AllSync Scheduler if the last time the task was started precedes a specified number of days ago.

Automatically remove entries from log file when they are more than ... day(s) old

With this option, every time a task is started, its log file is checked and all entries to be removed when they are older than the number of days you specified.

- Please note the 'Compatibility' section under the [Time format](#) option.

- When deleting old log entries, a new log file is always created first and then the old log file is deleted.

User must confirm task start

This option shows up a dialog window to start or cancel the task. Additionally, you can specify a time period to close the dialog window automatically and cancel the task start.

Wait this number of seconds before starting the profiles

This option enables you to specify a delay period before the copy operation of the profiles will be started.

Change the window state of the scheduler

This enables you to specify the window state of the scheduler when the task will be started.

Show pop-up message at the notification area of the Windows taskbar

With this option, a pop-up message is displayed in the notification area of the Windows taskbar when the task starts. The scheduler must be shown as an icon in the notification area of the Windows taskbar so that this notification is displayed.

Task Running

Don't show File Conflict dialog


This option causes the [File Conflict dialog](#) not to be displayed.

Show error messages in the notification area of the Windows taskbar

This displays all error messages that occur while the task is running in the notification area of the Windows taskbar.

Task End

Show info message after the task has completed

This option shows up a message box after the task has completed. AllSync uses for this the system command [MSG](#) . Apparently, Windows Home editions do not have the msg.exe

command installed. The command button '**Test**' enables you to check the availability of the system commands.

Upon completing processing of task

This enables you to specify which action is to be performed when the processing of a task has completed:

- Shut down computer
- Shut down Windows
- Restart Windows
- Log off user
- Standby
- Hibernate
- Shut down AllSync Scheduler
- Lock computer

The option '**Force Action**' enables you to force the selected action. Forcing the action could be necessary if the computer is locked.

Note: Forcing the actions 1 to 4 could result in data loss because other applications cannot save their data.

Change the window state of the scheduler

This enables you to specify the window state of the scheduler when the processing of a task has completed.

Log task state at the Windows event viewer

This option enables you to log the task state at the Windows event viewer after task completion. An event with the ID 100 will be created if there were no errors during the task run; otherwise the ID 101 will be used. See Windows event viewer -> Windows Logs -> Application.

Show pop-up message at the notification area of the Windows taskbar

With this option, a pop-up message is displayed in the notification area of the Windows taskbar when the task has completed. The scheduler must be shown as an icon in the notification area of the Windows taskbar so that this notification is displayed.

Run Period

With this option you can define in which time period of the day the [tasks](#) may be started. The time period can be set between 00:00 and 23:59. This option overrides the run period settings in the general [scheduler options](#).

Abort a running task outside the specified run period

This option aborts a running task if it is outside the specified run period. With the '**Complete file copy process**' suboption, you can specify that the current file copy process is completed before the task is terminated.

E-Mail

The email options are available from AllSync [Business](#) Edition.

Don't send log to the e-mail addresses indicated in AllSync Scheduler's options

This option enables you to suspend sending the e-mail to the e-mail addresses in AllSync Scheduler's general [options](#).

Send log to these addresses

This option causes the log of all the profiles run of a task to be sent to the specified e-mail address(es). If there is more than one address, they have to be separated by a comma. No e-mails can be sent unless you make all the settings for the mail server in the '**E-Mail**' section of AllSync Scheduler's [options](#).

When should the e-mail be sent?

The following settings are possible:

- Always
- Only when an error occurs
- Only when changes occur
- Only when errors and changes occur
- Only when an error or a change occurs
- Only if no changes have been made

E-Mail logged actions of a profile

Activating this option causes the actions logged during the copy operation to be emailed. This option doesn't have any effect unless the [Log these actions during a copy operation](#) option is activated (Profile Properties Options Log).

Forward log of each individual profile via e-mail

When this option is activated, the log of each individual profile is forwarded via e-mail.

How should the log be sent?

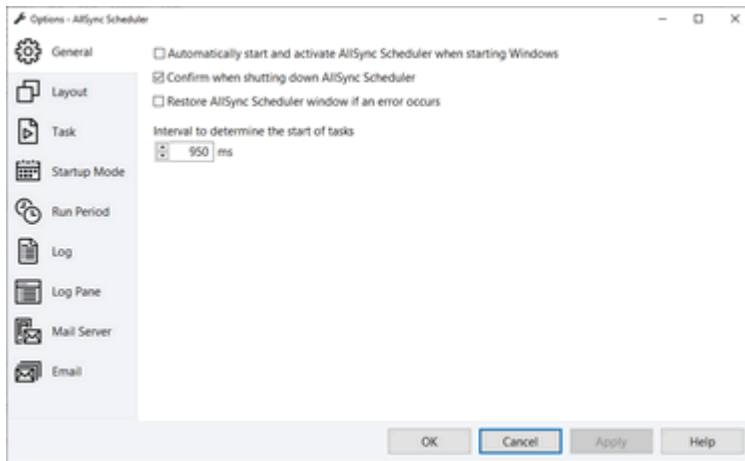
- Send log as text in the e-mail and as an attachment
- Send log only as text in the e-mail
- Send log only as an attachment

Note: Logs larger than 1 MB are automatically sent only as an attachment.

Include these files as attachments

With this option you can also send several files as attachments with the email. One file path can be specified per line in the text field. You can select files and add them to the text field using the '+' button. The 'x' button can be used to delete all files from the text field.

AllSync Scheduler Options



- [General](#)
- [Layout](#)
- [Task](#)
- [Startup Mode](#)
- [Run Period](#)
- [Log](#)
- [Log Pane](#)
- [Mail Server](#)
- [E-Mail](#)

General

Scheduler Activation

With this option you can determine whether the scheduler should be activated automatically at startup. The following settings are available:

- Do not activate the scheduler at startup
- Activate scheduler at startup
- Restore the last activation state at startup

This option has no effect if the scheduler is started with the [-a](#) command line option.

Automatically start and activate the scheduler after user login

This causes [AllSync Scheduler](#) to be automatically started and activated after user login. You can also specify that the scheduler window is automatically minimized when it starts.

Confirm when shutting down AllSync Scheduler

This option causes a prompt to be shown when shutting down AllSync Scheduler. The prompt is only displayed if the scheduler is activated and at least one task is activated in the list.

Restore AllSync Scheduler window if an error occurs

This option causes the AllSync Scheduler dialog to be restored and shown in the foreground when errors have occurred during a copy operation.

Timer Interval

This option enables you to change the interval how often the scheduler check if a task has to be started. The standard value of 950 ms allows a task start time to the second. Example: With a value of 9000 ms the scheduler checks every 9 seconds if a task has to be started. A higher interval value reduces the CPU usage of the scheduler.

Layout

Scheduler Window

Save window position and size on exit

This option causes the window position of [AllSync Scheduler](#) to be saved upon exiting and restored the next time AllSync Scheduler is started.

Clicking the close button only minimizes the scheduler

This option allows you to change the behavior of the Scheduler window's close button. If this option is activated, the scheduler window is only minimized when the close button is used and the scheduler is not terminated.

Windows Taskbar and Notification Area

The scheduler window is visible on the desktop (not minimized):

- Only show the scheduler in the Windows taskbar
- Only show the scheduler as an icon in the Windows notification area
- Show the scheduler in the Windows taskbar and as an icon in the notification area

The scheduler window is minimized:

- Only show the scheduler in the Windows taskbar
- Only show the scheduler as an icon in the Windows notification area

- Show the scheduler in the Windows taskbar and as an icon in the notification area

Task List

Here you can specify the font for the task list.

Task

Set the application priority to 'low' when starting a task

Activate this option if your system is overburdened while performing a [task](#) and other applications are taking too long to respond to user input.

Display progress indicator when starting a task

This option causes the task list to be automatically hidden when starting a task, and the progress indicator to be displayed.

Reduce hard disk accesses per second

This option enables you to reduce the number of hard disk accesses per second so that other applications do not become sluggish. The pause is specified in milliseconds and takes place when reading the source and destination data after each file/folder found.

Animate icon in the Windows notification area during copy operation

This option causes the scheduler icon in the Windows notification area to be animated during a copy operation.

Show pop up messages at the notification area of the Windows taskbar

With this option you can turn all notifications in the notification area of the Windows taskbar on or off. The scheduler shows the following notifications:

- Scheduler activation
- Scheduler deactivation
- Upon task startup (optional, see task properties -> [Task Start](#))
- Error messages while a task is running (optional, see task properties -> [Task Running](#))
- Upon task completion (optional, see task properties -> [Task End](#))
- Notice that the scheduler is displayed as an icon in the notification area.

Startup Mode

Shut down Windows

This options only affects [tasks](#) with the [Windows Exit](#) startup mode.

Show task log upon startup when an error occurred during shutdown

This option causes the log of the last task to be displayed upon starting [AllSync Scheduler](#) for which an error occurred.

Increase waiting time until the Windows shutdown dialog is displayed

This option enables you to extend the waiting time until the Windows shut down dialog is displayed. Activating this option causes the following registry entries to be changed:

- HKCU \ Control Panel \ Desktop \ [HungAppTimeout](#) = 500000
- HKCU \ Control Panel \ Desktop \ [WaitToKillAppTimeout](#) = 500000
- HKCU \ Control Panel \ Desktop \ [AutoEndTasks](#) = 0

Deactivating this option changes the registry entries to the default values:

- HKCU \ Control Panel \ Desktop \ HungAppTimeout = 5000
- HKCU \ Control Panel \ Desktop \ WaitToKillAppTimeout = 20000
- HKCU \ Control Panel \ Desktop \ AutoEndTasks = 0

Note: The computer must be restarted, for the changes to take effect.

Rule for action "Log off user"

You can specify one of the following rules:

- Don't cancel the action and run the tasks
- Cancel the action, run the tasks and log off the user

Rule for action "Restart / shut down Windows"

You can specify one of the following rules:

- Don't cancel the action and run the tasks
- Cancel the action, run the tasks and shut down Windows
- Cancel the action, run the tasks and restart Windows

Run Period

With this option you can define in which time period of the day the [tasks](#) may be started. The time period can be set between 00:00 and 23:59.

Abort a running task outside the specified run period

This option aborts a running task if it is outside the specified run period. With the '[Complete file copy process](#)' suboption, you can specify that the current file copy process is completed before the task is terminated.

Log

Automatically remove entries from log file when they are more than ... day(s) old

With this option, the log file '[scheduler.txt](#)' is checked every time a task is started and all log entries that are older than the number of days you specified are deleted.

- Please note the '[Compatibility](#)' section under the [Time format](#) option.
- When deleting old log entries, a new log file is always created first and then the old log file is deleted.

Log Pane

Font

Here you can specify the font for the log pane.

Maximum number of lines in log pane

This option enables you to specify the maximum number of lines in the log pane to minimize memory consumption.

Mail Server

Here you can specify a [Mail Server](#) to send E-Mails with the AllSync Scheduler.

E-Mail

If there is more than one address, they have to be separated by a comma.

Send log of each task to the following e-mail address(es)

This option causes the log to be automatically sent to the specified e-mail address(es) after a task has completed.

Send bug report to the following e-mail address(es)

Activating this option causes a bug report to be automatically sent to the address(es) entered.

Send an e-mail to these addresses if a task couldn't be started:

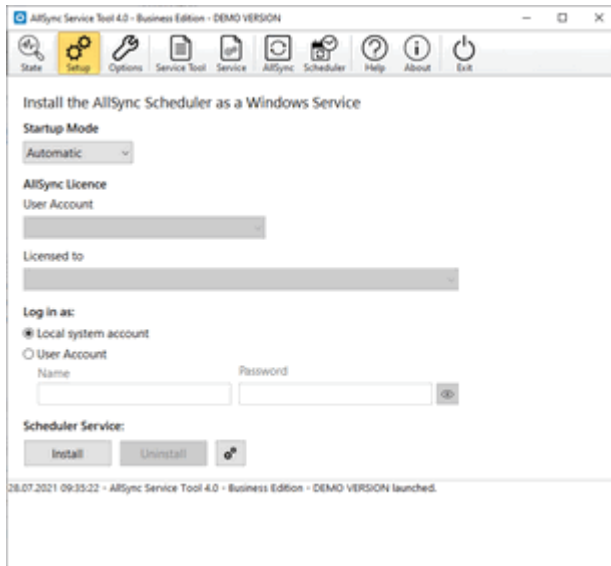
This option causes a message to be sent to the specified e-mail address(es) when a task couldn't be started at its specified start time and within the specified tolerance.

Send task log to these addresses when an error occurs:

This option causes the log to be automatically sent to the specified e-mail address(es) when an error occurs.



AllSync Service Tool

AllSync Service Tool enables you to run [AllSync Scheduler](#) as a Windows service. The advantage of this is [tasks](#) can be run according to schedule when no user is logged in to the system. The Service Tool is available with the AllSync [Business](#) Edition.



- [Important Information](#)
- [Status](#)
- [Setup](#)
- [Options](#)

Important Information

- AllSync Service Tool and [AllSync Scheduler](#) needn't be started in order for the AllSync Scheduler service to run the specified tasks.
- The AllSync Scheduler service can't be started as long as [AllSync Scheduler](#) is activated.
- If you get error [1069](#)  when starting the AllSync Scheduler service, then either the specified login data (name or password) of the user account used is incorrect or the user account does not have the [Log on as a service](#)  permission.
- If you access drives from mapped network shares with your profiles in the source or target folders, then you should replace these with the direct UNC path of the network share. Windows services only have access to drive letters with associated network shares if the user under whom the drive letters are available is logged on to the Windows system with his user account.

- If you make changes to the [task list](#), the [tasks](#) or the [AllSync Scheduler options](#) with the scheduler, these changes are automatically applied every 5 seconds by the AllSync Scheduler service when it is idle (no task started).
- The user account used for the AllSync Scheduler service must have access to the specified AllSync application data [storage location](#).
- When uninstalling the AllSync Scheduler service it may be internally flagged by Windows as "uninstalled", meaning it can't be directly uninstalled by the system. In this case, simply reboot your computer so that the service is completely uninstalled.

Status

This tab shows you whether the service is started and which [task](#) is currently being run by the service.

Service

Shows you whether the service is started or stopped. The service can be started or stopped using the corresponding command buttons. Furthermore, the current used [TCP port](#) and the last connection with the service will be displayed.

Task

Shows you which [task](#) is currently being run by the service. A running task can be stopped using the corresponding command button. The log pane below shows information in real-time about the task started by the service.

Service Log

All messages that were sent from the scheduler service to the service tool are displayed in the log window.

Setup

Here you can install the AllSync Scheduler as a Windows service.

Startup Mode

Here you can specify the startup mode of the service:

- Automatic

The service is automatically started when booting the computer.

- Manual

The service has to be started manually by the user.

- Deactivated

The service is deactivated.

License

Here you can select which AllSync license is to be used for the service. This setting may be needed on a multi-user system featuring several installed AllSync licenses.

Log in as:


Here you can specify which account is to be used when installing the Scheduler service:

- Local system account

The local Windows system account has no access to network resources and can consequently only be used for local copy tasks.

- User account

The service has to be installed using the user account enabling access to the network shares used in the profiles. In a domain the name of the domain has to be additionally entered before the user account: "domain\user account".

Make sure that the user account indicated by you is assigned the [Log on as a service](#)  permission so that the service can be started. This permission is normally automatically assigned when installing the service and can also be assigned manually: Control Panel -> Administrative Tools -> Local Security Policy -> Local Policies -> User Rights Assignment.

Options

General

Start the Service Tool automatically after user login

With this option, the service tool is automatically started and minimized after the user has logged on.

Save window position and size on exit

This option causes the window position of AllSync Service Tool to be saved upon exiting and restored the next time AllSync Service Tool is started.

Display as icon on taskbar when minimized

With this option, the minimized window of the service tool is only displayed as an icon in the notification area of the Windows taskbar.

Display a notification in the Windows notification area for the following events

You can use this option to specify that a notification is displayed in the notification area of the Windows taskbar for the following events:

- Task Start
- Task Run error message
- Task End

Log

Wrap lines in log pane

This causes lines extending beyond the right edge of your screen to be wrapped.

Maximum number of lines in log pane

This option enables you to specify the maximum number of lines in the log pane on the **'Status'** tab and thus minimize memory consumption.

Automatically remove entries from log file when they are more than ... day(s) old

This option allows old log entries to be automatically deleted from the **'servicetool.txt'** and **'service.txt'** log files that are older than the number of days you specified. The log file **'servicetool.txt'** is checked every time the Service Tool is started and the log file **'service.txt'** is checked every time a task is started.

- Please note the **'Compatibility'** section under the Time format option.
- When deleting old log entries, a new log file is always created first and then the old log file is deleted.

Data exchange between Scheduler Service and Service Tool

The Scheduler Service and the Service Tool exchange information and commands using the local IP address 127.0.0.1 and the specified TCP port. This setting doesn't need to be changed unless the TCP port 62324 is used by another application.

Synchronization of 2 Folders

The following instructions explain which settings are needed in the [Profile Properties](#) for synching two folders.

1. Profile

Create a new [profile](#). If the [Profile Assistant](#) opens, exit it by clicking on 'Cancel'.

2. Copy mode

Select [Sync](#) copy mode.

3. Source and destination folders

In the left menu select [Folders](#). Add the source and destination folders to the two folder lists.

4. Synchronization conflicts

- In the left menu below [Copy Modes](#), click on [File Conflict](#). Activate the 'File Conflict' option so that AllSync recognizes when the same file at the source and destination has changed since the last sync operation.
- In the left menu below [Copy Modes](#), click on [Structure Conflict](#). Activate the 'Deletion of files and folders' option so that AllSync recognizes when files and folders have been deleted, moved or renamed since the last sync operation.

5. Saving your settings

You have now completed all the requisite settings. Conclude by clicking on 'OK'. Now you can create a copy preview of the profile and examine the results of the settings you have made.

File Versioning

The following instructions explain which settings are needed in the [Profile Properties](#) for data backup with file versioning.

1. Information

File versioning allows you to save a certain number of backups for each individual file, regardless of how often you back up your data.

Every file that has to be overwritten or deleted during a data backup is saved with a consecutive file extension (".0001", ".0002", etc.) in a separate backup folder. When the maximum number of backups per file has been reached, the oldest backup file with the extension ".0001" is always deleted and all other files are renamed accordingly.

For example, if you have carried out 50 data backups in a week and the 'info.txt' file was only changed 7 times this week, then the 7 backups of this file are still in the backup folder.

2. Profile

Create a new [profile](#). If the [Profile Assistant](#) opens, exit it by clicking on 'Cancel'.

3. Copy mode

Select [1:1 copy mode](#).

4. Source and destination folders

In the left menu select [Folders](#).

- In the source folder list add the folder containing the data to back up.
- In the destination folder list add the folder in which the backup is to be saved.

5. File Versioning

In the left menu below [Options](#), select [Data Protection](#).

1. In the 'Backup Folder' section you can specify the folder in which the files are to be saved.
2. In the 'Subfolder' section, uncheck the 'Create subfolder in backup folder' option.

3. Activate the 'Create Backup Generations' option in the 'Backup Generations' section and define the number of backups per file under 'Data Backups'.

6. Saving your settings

You have now completed all the requisite settings. Conclude by clicking on 'OK'. Now you can create a copy preview of the profile and examine the results of the settings you have made.

Data Imaging (1:1 copy)

The following instructions explain which settings are needed in the [Profile Properties](#) for data imaging.

1. Profile

Create a new [profile](#). If the [Profile Assistant](#) opens, exit it by clicking on 'Cancel'.

2. Copy mode

Select [1:1 copy mode](#).

3. Source and destination folders

In the left menu select [Folders](#).

- In the source folder list add the folder containing the data to be imaged.
- In the destination folder list add the destination folder.

4. Saving your settings

You have now completed all the requisite settings. Conclude by clicking on 'OK'. Now you can create a copy preview of the profile and examine the results of the settings you have made.

Data Archiving

The following instructions explain which settings are needed in the [Profile Properties](#) for data archiving.

Terms & Concepts

This data archiving method causes all files not modified within the last 30 days to be moved to a consecutive backup folder.

1. Profile

Create a new [profile](#). If the [Profile Assistant](#) opens, exit it by clicking on 'Cancel'. Activate the [Expert View](#) below the menu.

2. Copy mode

Select [Backup](#) copy mode.

3. Copy options

In the left menu click on [Copy Options](#). Enable the option [Move source files to destination folder](#).

4. Backup options

In the left menu below [Copy Modes](#), select [Backup Options](#). Activate the option [Create backup folder at destination](#).

5. Source and destination folders

In the left menu select [Folders](#).

- In the source folder list add the folder containing the data to be archived.
- In the destination folder list add the destination folder.

6. Filters

In the left menu click on [Filters](#). Add a new filter with the following properties:

- Filter Action: Exclude
- Filter Type: Age (newer than)
- Use with: Source
- Compare with: File Modified Date
- Age Filter: 30 days

This will exclude all files that have been modified during the last 30 days.

7. Saving your settings

You have now completed all the requisite settings. Conclude by clicking on 'OK'. Now you can create a copy preview of the profile and examine the results of the settings you have made.

Consecutive Complete Backup

The following instructions explain which settings are needed in the [Profile Properties](#) for a consecutive [complete backup](#).

1. Profile

Create a new [profile](#). If the [Profile Assistant](#) opens, exit it by clicking on 'Cancel'. Activate the [Expert View](#) below the menu.

2. Copy mode

Select [Backup](#) copy mode.

3. Backup options

In the left menu below [Copy Modes](#), select [Backup Options](#). Activate the option [Create backup folder at destination](#).

Optional:

- The option [Generations of backups to be created](#) enables you to additionally specify the total number of consecutive backups.
- In the left menu below [Copy Modes](#), select [Compression](#). The option [Compress files](#) enables the files to be backed up into a single ZIP file.

4. File options

Optional:

This option needn't be activated unless you additionally want to make a [partial backup](#) of your data. In the left menu below [Copy Options](#) click on [File Attributes](#). Activate the option 'Modify attributes of source file' and the sub option 'Archive Delete'.

5. Source and destination folders

In the left menu select [Folders](#).

- In the source folder list add the folder containing the data to be backed up.

- In the destination folder list add the folder in which the consecutive backup folder is to be created.

6. Saving your settings

You have now completed all the requisite settings. Conclude by clicking on 'OK'. Now you can create a copy preview of the profile and examine the results of the settings you have made.

Consecutive Partial (Incremental) Backup

The following instructions explain which settings are needed in the [Profile Properties](#) for an [incremental](#) partial backup.

1. Profile

Create a new [profile](#). If the [Profile Assistant](#) opens, exit it by clicking on 'Cancel'. Activate the [Expert View](#) below the menu.

2. Copy mode

Select [Backup](#) copy mode.

3. Copy rules

In the left menu select [Copy Rules](#). Activate the copy rule [Copy only files with the 'Archive' attribute](#) and the sub option [Filter files without 'Archive' attribute](#).

4. File options

In the left menu below [Copy Options](#) click on [File Attributes](#). Activate the option 'Modify attributes of source file' and the sub option 'Archive Delete'.

5. Backup options

In the left menu below [Copy Modes](#), select [Backup Options](#). Activate the option [Create backup folder at destination](#).

Optional:

- The option [Generations of backups to be created](#) enables you to additionally specify the total number of consecutive backups.
- In the left menu below [Copy Modes](#), select [Compression](#). The option 'Compress files' causes the files to be backed up into a single ZIP file.

6. Source and destination folders

In the left menu select [Folders](#).

- In the source folder list enter the folder containing the data to be backed up.
- In the destination folder list add the folder in which the consecutive backup folder is to be created.

7. Saving your settings

You have now completed all the requisite settings. Conclude by clicking on 'OK'. Now you can create a copy preview of the profile and examine the results of the settings you have made.

Consecutive Partial (Differential) Backup

The following instructions explain which settings are needed in the [Profile Properties](#) for a [differential](#) partial backup.

1. Profile

Create a new [profile](#). If the [Profile Assistant](#) opens, exit it by clicking on 'Cancel'.

2. Copy mode

Select [Backup](#) copy mode.

3. Copy rules

In the left menu select [Copy Rules](#). Activate the copy rule [Copy only files with the 'Archive' attribute](#).

4. Backup options

In the left menu below [Copy Modes](#), select [Backup Options](#). Activate the option [Create backup folder at destination](#).

Optional:

- The option [Generations of backups to be created](#) enables you to additionally specify the total number of consecutive backups.
- In the left menu below [Copy Modes](#), select [Compression](#). The option 'Compress files' causes the files to be backed up into a single ZIP file.

5. Source and destination folders

In the left menu select [Folders](#).

- In the source folder list add the folder containing the data to be backed up.
- In the destination folder list add the folder in which the consecutive backup folder is to be created.

6. Saving your settings

You have now completed all the requisite settings. Conclude by clicking on 'OK'. Now you can create a copy preview of the profile and examine the results of the settings you have made.

Important Note

You have to delete the archive attribute of all source files before starting the first differential backup.

Consecutive Partial (Differential) Backup with Hard Links

The following instructions explain which settings are needed in the [Profile Properties](#) for a [differential](#) partial backup with hard links.

Backup Plan

Files to back up: C:\Data

Full backup: C:\FullBackup

Partial backup with hard links: C:\PartialBackup

- Monday: Full backup
- Tuesday: 1. partial backup with hard links
- Wednesday: 2. partial backup with hard links
- Thursday: 3. partial backup with hard links
- Friday: 4. partial backup with hard links

A total of 2 profiles are required. The 1. profile creates the full backup. The 2. profile creates the partial backup and the hard links from the files of the full backup.

Profile Properties: Full Backup

1. Profile

Create a new [profile](#). If the [Profile Assistant](#) opens, exit it by clicking on 'Cancel'. Activate the [Expert View](#) below the menu.

2. Copy mode

Select [Backup](#) copy mode.

3. File options

In the left menu below [Copy Options](#) click on [File Attributes](#). Activate the option 'Modify attributes of source file' and the sub option 'Archive Delete'.

4. Source and destination folders

In the left menu select [Folders](#).

- In the source folder list add the folder 'C:\Data'.
- In the destination folder list add the folder 'C:\FullBackup'.

5. Saving your settings

You have now completed all the requisite settings. Conclude by clicking on 'OK'. Now you can create a copy preview of the profile and examine the results of the settings you have made.

Profile Properties: Partial Backup

1. Profile

Create a new [profile](#). If the [Profile Assistant](#) opens, exit it by clicking on 'Cancel'. Activate the [Expert View](#) below the menu.

2. Copy mode

Select [Backup](#) copy mode.

3. Copy rules

In the left menu select [Copy Rules](#). Activate the copy rule [Copy only files with the 'Archive' attribute](#) and deactivate the sub-option [Filter files without 'Archive' attribute](#)

4. Copy options

In the left menu below [Copy Options](#) click on [Folder Options](#). Activate the option [Don't create empty folders in source or destination folder](#).

5. Backup options

In the left menu below [Copy Modes](#), select [Backup Options](#).

- Activate the option [Create differential backup on the basis of complete backup](#). Enter the folder 'C:\FullBackup' at the text box 'Complete Backup'.
- Activate the option [Create hard links](#).
- Activate the option [Create backup folder at destination](#).
- Activate the option [Generations of backups to be created](#) and set the generations to 4 (from Tuesday to Friday).

6. Source and destination folders

In the left menu select Folders.

- In the source folder list add the folder 'C:\Data'.
- In the destination folder list add the folder 'C:\PartialBackup'.

7. Saving your settings

You have now completed all the requisite settings. Conclude by clicking on 'OK'. Now you can create a copy preview of the profile and examine the results of the settings you have made.

Reverse Incremental Backups

The following instructions explain which settings are needed in the [Profile Properties](#) for reverse incremental backups.

1. Profile

Create a new [profile](#). If the [Profile Assistant](#) opens, exit it by clicking on 'Cancel'.

2. Copy mode

In the left menu select [Copy Mode](#) and select the copy mode [1:1 copy](#).

3. Full Backup

In the left menu select [Folders](#).

- In the source folder list add the folder containing the data to be backed up.
- In the destination folder list add the destination folder for the full backup.

4. Incremental Backups

In the left menu below [Options](#) click on [Data Protection](#). Select the option [Move files and folders to a backup folder](#). Activate the option 'Create subfolders in the backup folder'.

5. Saving your settings

You have now completed all the requisite settings. Conclude by clicking on 'OK'. Now you can create a copy preview of the profile and examine the results of the settings you have made.

Copying an Individual File

The following instructions explain which settings are needed in the [Profile Properties](#) for copying a single file.

1. Profile

Create a new [profile](#). If the [Profile Assistant](#) opens, exit it by clicking on 'Cancel'. Activate the [Expert View](#) below the menu.

2. Copy mode

Select [Update](#) copy mode.

3. Source and destination folders

In the left menu select [Folders](#).

- In the source folder list add the folder containing the file to be copied and activate the option [Exclude All Subfolders](#) for this folder.
- In the destination folder list add the destination folder.

4. File filter

In the left menu click on [Filter](#). Add a new filter with the following properties:

- Filter Action: [Include](#)
- Filter Type: [Text](#)
- Use with: Source
- Compare with: File Path (Absolute)
- Filter Text: the path of the file to be copied (e.g. C:\Data\doc.txt)

5. Saving your settings

You have now completed all the requisite settings. Conclude by clicking on 'OK'. Now you can create a copy preview of the profile and examine the results of the settings you have made.

Data Imaging on an FTP Server

The following instructions explain which settings and prerequisites are needed for data imaging on an FTP server.

1. FTP software

For data imaging on an FTP server an additional software tool like NetDrive needs to be installed. This software enables you to link a folder on the FTP server to a drive letter. The instructions below are in reference to [NetDrive](#).

2. Configuring the FTP software

Start NetDrive and create a new 'site'. In the list click on the new 'site' and enter all the requisite FTP data in the right menu. For the drive letter, enter 'Z'.

3. Profile properties

Create a new [profile](#). If the [Profile Assistant](#) opens, exit it by clicking on 'Cancel'.

4. Copy mode

Select [User-defined](#) copy mode.

5. Copy rules

- In the left menu select [Copy Rules](#). Under [Rules for Overwriting Files](#), select the Rule 'Overwrite file if the size of both files is different'.
- In the left menu below [Copy Rules](#), select [Delete](#). Activate the option 'Delete items at destination which are not present at source'.

Note: Comparisons using the modified date of a file are not possible when imaging via FTP. When copying onto an FTP server, the files automatically receive the current date of the FTP server. The modified date cannot be changed afterwards as the FTP file system doesn't support this.

6. Source and destination folders

In the left menu click on [Folders](#).

- In the source folder list add the folder containing the data to be imaged.
- In the destination folder list add the drive letter 'Z:'.

7. Saving your settings

You have now completed all the requisite settings. Conclude by clicking on 'OK'.

8. Test your settings

Now change to 'NetDrive' and link the FTP folder to the drive letter. Create a copy preview of your profile and examine the results of the settings you have made.

Verify if the content of two folders is equal

The following instructions explain which settings are needed in the [Profile Properties](#) to compare the content of two folders. This enables to make sure the content of these two folders is completely the same.

1. Profile

Create a new [profile](#). If the [Profile Assistant](#) opens, exit it by clicking on 'Cancel'.

2. Copy Mode

Select [User-defined](#) copy mode.

3. Copy rules

- In the left menu select [Copy Rules](#). Enable the option 'Overwrite file if the contents of both files are different' at [Rules for Overwriting Files](#).
- In the left menu below [Copy Rules](#), select [Delete](#). Enable the option 'Delete items at destination which are not present at source'.

4. Source and destination folders

In the left menu select [Folders](#). In the left and right folder list add the folder containing the data to be compared.

5. Saving your settings

You have now completed all the requisite settings. Conclude by clicking on 'OK'.

6. Verify the folders

Now create a copy preview of the profile. At the menu bar above the copy preview click on 'Remove' and select the command 'Remove Identical Files and Folders Without Any Actions'. Now the report will give you an overview about all files and folders that are not identical.


How to trigger a copy run when connecting a USB stick

The following instructions explain which settings are needed to start a profile when connecting a USB stick.

1. AllSync Product Edition

The AllSync [Professional](#) or [Business](#) Edition is necessary.

2. USB Stick

Connect the external USB stick with your computer. Now open the Windows [Disk Management](#)  and assign the new drive letter X: for the USB stick. This ensures that the USB stick gets the same drive letter assigned every time you connect the stick to the computer.

3. AllSync Scheduler

Start the AllSync [Scheduler](#) und create a new [task](#).

4. Task Startup Mode

At the task window select the startup mode [Link](#). Select the drive letter X: at the folder text box.

5. Profile

In the left menu select [Profiles](#) and choose the profile(s) to be run with this task.

6. Saving your settings

You have now completed all the requisite settings. Conclude by clicking on 'OK'.

7. Test your settings

Now remove the USB stick from your computer and activate the scheduler. After the scheduler is activated connect the USB stick again and the task will run the specified profiles.

Securely delete files from a source folder

The following instructions explain which settings are needed in the [Profile Properties](#) to securely delete files from a source folder which have not been modified in the last 30 days.

1. Profile Properties

Create a new [profile](#). If the [Profile Assistant](#) opens, exit it by clicking on 'Cancel'. Activate the [Expert View](#) below the menu.

2. Copy mode

Select [User-defined](#) copy mode.

3. File options

In the left menu below [Copy Options](#) click on [Copy Method](#). Select the 'Copy Method D' and the sub option 'Delete source file'.

4. Source and destination folders

In the left menu select [Folders](#).

- In the source folder list enter the folder containing the files to be deleted.
- In the destination folder list add an empty folder.

5. Filter

In the left menu click on [Filters](#). Add a new filter with the following properties:

- Filter Action: [Exclude](#)
- Filter Type: [Age \(newer than\)](#)
- Use with: Source
- Compare with: File Modified Date
- Age Filter: 30 days

This will exclude all files from the deletion that have been modified during the last 30 days.

6. Data Protection

In the left menu below [Options](#) click on [Data Protection](#). Select the option 'Don't back up any files and folders'.

7. Saving your settings

You have now completed all the requisite settings. Conclude by clicking on 'OK'.


8. Test your settings

Now you can create a copy preview of the profile and examine the results of the settings you have made.

Securely delete files from a source folder using the tool SDelete

The following instructions explain which settings are needed in the [Profile Properties](#) to securely delete files from a source folder which have not been modified in the last 30 days.

1. SDelete

Download the freeware [SDelete](#)  from Microsoft and extract the content of the zip file into the folder "C:\Tools".

2. Profile Properties

Create a new [profile](#). If the [Profile Assistant](#) opens, exit it by clicking on 'Cancel'. Activate the [Expert View](#) below the menu.

3. Copy mode

Select [User-defined](#) copy mode.

4. File options

In the left menu below [Copy Options](#) click on [Copy Method](#). Select the 'Copy Method D' and enter the following command into the text box: "C:\Tools\sdelete.exe" -p "%1"

5. Source and destination folders

In the left menu select [Folders](#).

- In the source folder list enter the folder containing the files to be deleted.
- In the destination folder list add an empty folder.

6. Filter

In the left menu click on [Filters](#). Add a new filter with the following properties:

- Filter Action: [Exclude](#)
- Filter Type: [Age \(newer than\)](#)

- Use with: Source
- Compare with: File Modified Date
- Age Filter: 30 days

This will exclude all files from the deletion that have been modified during the last 30 days.

7. Data Protection

In the left menu below [Options](#) click on [Data Protection](#). Select the option 'Don't back up any files and folders'.

8. Saving your settings

You have now completed all the requisite settings. Conclude by clicking on 'OK'.


9. Test your settings

Now you can create a copy preview of the profile and examine the results of the settings you have made. All source files with the action 'Copy file to the right' shown at the copy preview will be deleted when you run a copy operation.

Backup Files to OneDrive

The following instructions explain which settings and prerequisites are needed to back up your files to OneDrive.

1. OneDrive Login

1. Open the website [OneDrive](#)  and login.
2. Search the URL at the address bar of your browser for the parameter '&cid=' and copy the indicated value into the clipboard.

Example: `https://onedrive.live.com/?id=root&cid=344A29441EFB2BED`

2. Connect Network Drive with OneDrive

1. Open the Windows Explorer and right-click on '**Network**'.
2. Choose '**Map network drive ...**' at the displayed content menu.
3. Enter the address '**https://d.docs.live.net/**' at the text box for the folder. Paste the copied value from the clipboard behind the address.

Example: `https://d.docs.live.net/344A29441EFB2BED`

4. Activate the options '**Reconnect at sign-in**' and '**Connect using different credentials**'.
5. Click on the button '**Finish**'.
6. Enter your OneDrive login data to connect the network drive with OneDrive.

3. Important Information

Each time a file or folder is backed up to OneDrive, the date stamp will be changed to the date of the backup to the Cloud. Unfortunately, this is by design from Microsoft, and cannot be changed.

4. Conclusion

Now you can use the new network drive with AllSync to back up your files to OneDrive.

Backup files from your smartphone

The following instructions explain which settings and prerequisites are needed to back up files from your smartphone.

1. WebDAV Server

First you need to install the free app '**WebDAV server**' on your smartphone:

1. Open '**Google Play Store**' on your smartphone.
2. Search for the app '**WebDAV server**' from the company *The Olive Tree*.
3. Install the app '**WebDAV server**'.
4. Open the app '**WebDAV server**'.
5. Start the server via the start button.
6. Below the start button the IP-address of the server will be displayed:
e.g. `http://192.168.1.114:8080`

2. Profile Properties

1. Open the profile with which you want to access the files on your smartphone.
2. In the left menu select Folders.
3. Press the 2. button above the source folder list.
4. Enter the server address, port and folder into the text field: e.g.
`\\192.168.1.114@8080\DCIM`

3. Assign Drive Letter (optional)

Additionally, you can assign the shared folder on your smartphone with a drive letter to access all files on your smartphone:

1. Open the Windows Explorer and right-click on '**Network**'.
2. Choose '**Map network drive ...**' at the displayed content menu.
3. Enter the IP-address and port of the server:
Example: `\\192.168.1.114:8080`
4. Activate the option '**Reconnect at sign-in**'.
5. Click on the button '**Finish**'.

4. Important Information

Make sure that the smartphone is connected to the same Wi-Fi network name as the computer with AllSync installed.

Restore files from a backup

This guide will show you step by step how to copy files from a backup to their original location.

1. Copy profile

First create a copy of your profile with which you always carry out the data backup.

2. Swap source and destination folders

Open the profile properties of the copied profile. In the left menu click on [Folders](#). Swap the source and destination folders by selecting the '**Swap all source and destination folders**' button on the toolbar. Now activate the source and target folder in the respective folder list using the checkbox in front of the folder. Close and save the profile properties.

Note:

For example, if your backup profile uses the source folder "*C:\Data*" and the destination folder "*C:\Backup*", then the profile copy should now use the source folder "*C:\Backup*" and the destination folder "*C:\Data*".

If the backed-up data from "*C:\Data*" is not located directly in "*C:\Backup*", then you have to select the corresponding subfolder with the data from "*C:\Backup*".

3. Create copy preview

Select '**Action**' -> '**Create copy preview (without any actions)**' in the profile list menu bar to create a [copy_preview](#) without actions of your profile copy.

4. Select files

In the [copy_preview](#), right-click each file to be copied and select the '**Copy**' action from the context menu that appears. This will show you that the file will be copied back from the backup folder to its original location in the source folder.

5. Process copy preview

Click on '**Process Copy Preview**' button in the toolbar above the [copy_preview](#) so that all displayed file actions are carried out from the preview.

Synchronize files between Android phone and computer

In order for AllSync to access the files on an Android phone, they must be made available via drive letters. This step-by-step guide will show you how to make the files on the internal memory of your Android phone available on your computer using a drive letter.

1. Install AndroidDrive

First install the free software [AndroidDrive](#)  on your computer.

2. Dokan installieren

Install the free software [Dokan](#)  on your computer.

3. Activate USB-Debugging

Activate '**USB debugging**' on your Android device:

1. To do this, open the phone settings and navigate to '**About Phone**' -> '**Software information**' -> '**Build number**'.
2. Tap '**Build number**' 7 times until the '**Developer options**' have been activated.
3. Go back to the main settings and tap on the new entry '**Developer options**' at the end of the list.
4. In the '**Developer options**', enable the '**USB debugging**' option.

4. Connect mobile phone to computer

1. Start AndroidDrive.
2. Connect your phone to a USB port on your computer.
3. AndroidDrive will then automatically connect your phone's internal storage to a free drive letter.

Data Backup Methods

- [Complete Backup A](#)
- [Complete Backup B](#)
- [Incremental Partial Backup](#)
- [Differential Partial Backup](#)
- [What You Should Do to Ensure Protection of Your Data](#)
- [Backup Strategy](#)

Complete Backup A

This complete backup method always causes all data items to be copied to a new backup folder. See [Consecutive Complete Backups](#).

Advantages

- Direct availability of backed-up data in a contingency situation.
- Easy and quick restoration of backed-up data.

Disadvantages

- Requires a lot of time and storage space as compared to partial backups.

Complete Backup B

This complete backup method causes only modified and new data items to be copied to the same backup folder. See [Data Imaging](#).

Advantages

- Direct availability of backed-up data in a contingency situation.
- Easy and quick restoration of backed-up data.
- Doesn't require much time as compared to complete backup A.

Disadvantages

- Requires a lot of storage space as compared to partial backups.

Incremental Partial Backup

This causes only modified and new data items since the last *partial* backup to be copied to a new backup folder. See [Consecutive Partial \(Incremental\) Backups](#).

Advantages

- Requires little time and storage space.

Disadvantages

- Restoration of the backup rendered difficult and time-consuming as the complete backup and all partial backups are required.

Differential Partial Backup

This always causes all modified and new data items since the last *complete* backup to be copied to a new backup folder. See [Consecutive Partial \(Differential\) Backups](#).

Advantages

- Restoration of the backup is easier and quicker than compared to an incremental partial backup as only the complete backup and the last partial backup are required.

Disadvantages

- Requires a lot of time and storage space as compared to incremental partial backups.

What You Should Do to Ensure Protection of Your Data

- Complete backups onto storage media that are changed constantly afford you the best possible protection against data loss.
- Use at least two different storage media devices for your backups.
- Avoid making more than one backup in sequence on the same storage medium. Otherwise, loss of the storage medium device will cause you to lose data covering an extended period of time.
- Complete backups of corporate data should be made as often as possible and the storage media stored at a secure location (e.g. bank vault) in order to protect against unforeseen events like theft or burglary.

- Protect your storage media against unauthorized access using encryption software. One option for this purpose: [VeraCrypt](#).

Backup Strategy

From Monday to Thursday make a differential partial backup or complete backup onto a separate storage medium. For the complete backup on Friday use two storage devices, making sure to store one of them (E or F) at a secure location.

Weekly Backup

- Monday: data backup on storage medium A
- Tuesday: data backup on storage medium B
- Wednesday: data backup on storage medium C
- Thursday: data backup on storage medium D
- Friday: complete backup on storage medium E or F

Always back up more than one generation of your data onto each storage medium so that you can access older data assets in a contingency situation. If, for example, you store 4 generations of your data backups on each storage device, you can always access the data covering the last 4 weeks.

FAQs

General Questions

- [How can I access my files on my android phone with AllSync?](#)
- [Can I use AllSync to synchronize the content of databases \(e.g. Outlook\) and other files?](#)
- [Can I use AllSync to copy data items to an FTP server?](#)
- [When synching two computers does the same operating system have to be installed both of them?](#)
- [Can I use AllSync to back up my data onto CDs and DVDs?](#)

Installation and Getting Started

- [Which computer does AllSync have to be installed on if I want to sync the data between two computers?](#)
- [How can I transfer AllSync to another computer?](#)

Copy Operations

- [Why are files that haven't changed always transferred?](#)
- [How can I have a copy operation automatically run when starting Windows?](#)
- [How can I have the USB device automatically deactivated after running a copy operation?](#)
- [How can I use a USB device with changing drive letters?](#)
- [Why aren't files copied from subfolders in the local OneDrive folder?](#)

Copying Files

- [How can I copy open files using AllSync?](#)
- [How does AllSync know which file source or destination needs to be copied?](#)
- [Why may the source and destination files still show a difference of a few seconds after a copy operation?](#)
- [Can I use AllSync to copy files with Unicode characters in their names?](#)

Synchronization

- [Does AllSync recognize when the same file on two computers has been edited since the last sync operation?](#)

Network

- [What link is required between two computers so I can sync data using AllSync?](#)
- [What ports and protocols are used when transferring data to another computer?](#)
- [Why isn't all data processed when accessing a OneDrive folder using UNC?](#)

AllSync Scheduler

- [Can I run multiple tasks in parallel with the scheduler?](#)
- [Why aren't my tasks being started at the scheduled time?](#)
- [Why isn't a task started at the specified time?](#)

AllSync Scheduler Service

- [Why can't AllSync Scheduler access linked drive letters?](#)
- [Why can't AllSync Scheduler access drive letters mapped by WebDrive?](#)

General Questions

How can I access my files on my android phone with AllSync?

Google dropped the support for USBMS (USB Mass Storage device) since Android 4. Now your phone will be connected as an MTP device instead and Windows does not see MTP devices as a mass storage devices. However, you can install a WebDAV server on your phone to share the data from the storage partition on your phone at your home network. On your Windows PC you can access the files from your phone by using the phone's IP Address or link a drive letter to it. See tutorial [Backup files from your smartphone](#).

Can I use AllSync to synchronize the records of two databases (e.g. Outlook)?

No, this isn't possible.

Can I use AllSync to copy data items to an FTP server?

Yes, see tutorial [Data Imaging on an FTP Server](#).

When synching two computers does the same operating system have to be installed both of them?

No, this isn't necessary.

Can I use AllSync to back up my data onto CDs and DVDs?

No, this isn't possible.

Installation and Getting Started

Which computer does AllSync have to be installed on if I want to sync the data between two computers?

AllSync has to be installed on only one of the computers. We recommend installing AllSync on the more powerful of the two computers.

Copy Operations

Why are files that haven't changed always transferred?

See question [Why may the source and destination files still show a difference of a few seconds after a copy operation?](#)

How can I have a copy operation automatically run when starting Windows?

You can create a [shortcut](#) of your profile in the Windows Startup folder or have the profile started by [AllSync Scheduler](#) when starting Windows.

How can I have the USB device automatically deactivated after running a copy operation?

In the profile properties, enable the option [Safely remove hardware after copy operation](#).

How can I use a USB device with changing drive letters?

Use the folder variable [%driveletter:drivename%](#) when specifying the source or destination folder.

Why aren't files copied from subfolders in the local OneDrive folder?

In the profile properties, in the folder options, deactivate the option [Do not search NTFS junction points](#) so that the contents of the subfolders are copied.

Copying Files

How can I copy open files using AllSync?

Activate the [Windows Volume Shadow Copy Service \(VSS\)](#) copy option to copy open files.

How does AllSync know which file source or destination needs to be copied?

AllSync uses the last modified date, which is automatically updated by Windows as soon as a change has been made to the file.

Why may the source and destination files still show a difference of a few seconds after a copy operation?

This is caused by differing [treatment](#) by Microsoft Windows of the NTFS and FAT file systems. You can remedy this problem by activating the [Treat files with a modified time differential of](#) option in the Profile Properties (Copy Rules).

Can I use AllSync to copy files with Unicode characters in their names?

Yes. AllSync can copy files and folders with Unicode characters in their names.

Synchronization

Does AllSync recognize when the same file on two computers has been edited since the last sync operation?


Yes, this is enabled via the [File Conflict](#) option.

Network

What link is required between two computers so I can sync data using AllSync?

The computers have to be linked via a network and read and write access has to be enabled for the data.

What ports and protocols are used when transferring data to another computer?

AllSync uses standard Windows protocols and ports (TCP 139 / UDP 137-138) for data traffic in Windows networks. For more information, see [Windows Ports and Protocols](#) .

Why isn't all data processed when accessing a OneDrive folder using UNC?

In the profile properties, in the folder options, deactivate the option [Do not search NTFS junction points](#) so that the entire contents of the OneDrive folder are processed.

AllSync Scheduler

Can I run multiple tasks in parallel with the scheduler?

No, a task can only be started if no other task is running at the start time.

Why aren't my tasks being started at the scheduled time?

[Tasks](#) can't be automatically run unless [AllSync Scheduler](#) is started **and** activated.

Why isn't a task started at the specified time?

There can be various reasons for this:

1. The task is not activated in the task list.
2. The task did not start because another task was running.
3. The start time of the task is outside the specified run period. To do this, check the run period settings in the general [Scheduler Options](#) and in the [Task Settings](#).

AllSync Scheduler Service

Why can't AllSync Scheduler access linked drive letters?

Windows doesn't enable access to linked drive letters unless the user is logged in to the system and the service has been installed under the user's account. In this case, use a direct UNC path in lieu of a drive link.

Why can't AllSync Scheduler access drive letters mapped by WebDrive?


In the options of WebDrive, enable access by Windows services to mapped drive letters.

Software Recommendations


Here is a list of software tools and utilities which will help you enhance your productivity when working with AllSync.

- [7-Zip](#)
- [Attribute Changer](#)
- [Autolt](#)
- [Data Encryption](#)
- [Delay](#)
- [DevEject](#)
- [File Checksum](#)
- [File Comparison](#)
- [File Recovery](#)
- [FreeCommander](#)
- [FTP Software](#)
- [Handle](#)
- [Link Shell Extension](#)
- [NoWindow](#)
- [PDF Reader](#)
- [PsExec](#)
- [PsService](#)
- [PsShutdown](#)
- [RemoveDrive](#)
- [Setx](#)
- [UltraVNC](#)


7-Zip

[7-Zip](#)  (freeware) enables you to process and unpack ZIP files.



Attribute Changer

[Attribute Changer](#)  (freeware) enables you to change various file properties: attributes, date, time, NTFS compression, etc.


Autolt

[Autolt](#)  is an automation tool designed for automating the Windows GUI. It enables you to simulate keystrokes, mouse movements and window commands (maximize, minimize, etc.).


Data Encryption

The freeware [TrueCrypt](#)  and [VeraCrypt](#)  enables you to encrypt entire partitions and protect your data against unauthorized access.

Delay

[Delay](#)  is a substitute for the DOS command '**Pause**', extending it with a timeout function.





DevEject

[DevEject](#)  (freeware) enables you to register USB devices under Windows via the command line.

File Checksum

The freeware [HashCheck](#)  and [HashMyFiles](#)  enables you to create file checksums.

File Comparison

[ExamDiff](#) , [WinMerge](#) , [WinDiff](#)  and [FCU](#)  (freeware) enable you to compare the contents of two files and view their differences. You can integrate these tools in AllSync via the [File Comparison](#) option and use them in a copy preview.

File Recovery

[Recuva](#) or [Wise Data Recovery](#) enables you to restore deleted files on your hard disks.

FreeCommander

The freeware [FreeCommander](#) enables you to display and process files with a path length of more than 260 characters.

FTP Software

[Novell NetDrive](#), [WebDrive](#) or [Bdrive NetDrive](#) enables you to link to the content of an FTP server using a drive letter.

Handle

Use [Handle](#) (freeware) to list all open files and their respective application.

Link Shell Extension

The freeware [Link Shell Extension](#) enables you to create and determine hard links, junctions, volume mount points and symbolic links at the Windows Explorer.

NoWindow

[NoWindow](#) (freeware) enables you to start programs invisibly in the background.


PDF Reader

[Foxit PDF Reader](#) (freeware) enables you to view PDF files and print them out.


PsExec

[PsExec](#)  (freeware) enables you to start programs installed on other machines in your network.

PsService

[PsService](#)  (freeware) enables you to start up and shut down services from the command line.


PsShutdown

[PsShutdown](#)  (freeware) enables you to shut down or restart your local computer or a computer in the network from the command line.


RemoveDrive

[RemoveDrive](#)  (freeware) enables you to deregister USB devices via the command line.

Setx

[Setx](#)  enables you permanently store the environment variables for the entire Windows system or individual users.

UltraVNC

[UltraVNC](#)  (VNC = virtual network computing) (freeware) enables you to remote-control other machines in your network or via the Internet.

Optimizing Your Working Speed

Here are some tips on how you can optimize the time needed for performing a copy preview or copy operation and thus save time.

General

- Use [Sync](#) copy mode only when the items have changed at the source **and** destination.
- Deactivate the [report colors](#) for the entries of the report window.
- Avoid unnecessary [filters](#) for files and folders.

Copy Operations

- In [Sync](#) copy mode, deactivate the options for [file conflicts](#) and [structure conflicts](#) if you not need them.
- The backup folder for the [data protection](#) option should be located on the local hard drive.
- In the [profile properties](#), deactivate all unneeded options in the [General](#) section.
- In the profile properties, deactivate the [logging](#) settings.
- Use a [temporary folder](#) for creating a ZIP file when the destination of the ZIP file is not located on the local hard drive.
- Use a low [compression level](#) when backing up your items into a ZIP file in [Backup](#) copy mode.

Copy Preview

- In the profile properties (Filters), deactivate the [Display contents of filtered folders in report](#) option.

Tips and Tricks

- AllSync's [Shortcut Assistant](#) enables you to conveniently create shortcuts of your profiles on your desktop and in other folders.
- [AllSync Scheduler](#) enables you to automatically run profiles by scheduling them.
- [QuickSync](#) enables you to quickly run a copy preview without having to set up a new profile.
- AllSync's [Internet-Update feature](#) enables you to check whether a more recent version of AllSync is available for download.
- In the [report color](#) options you can custom-define colors for report entries in a copy preview and thus highlight certain actions.
- The actions shown of files and folders in a copy preview can be modified via the [context menu](#) in the [report window](#).
- Use [profile chaining](#) if you frequently want to run several profiles in the same sequence.

Switchover between Daylight Saving and Standard Time

How does the switchover affect the copying of files?

After a switchover between standard and daylight-saving time, the modified date/time of two identical files in the source and destination folders may exhibit a time differential of one hour. Depending on the [Copy Rules](#) settings, the identical files are recopied.

Which files are affected by the switchover?

The time differential occurs only if the one file is located on a FAT partition and the respective file on the other side is located on an NTFS partition.

What do I have to do before the switchover?

Before the switchover, you should perform a copy operation so that all the files in the source and destination folder exhibit the same time stamp. You should not change any files between the time you perform the copy operation and the time switchover.

What do I have to do after the switchover?

There are two ways to remedy the problem:


- You activate the [Treat files with a modified time differential of ...](#) option in the Copy Rules and specify an exact time differential. This prevents AllSync from recopying all files.
- You start a copy operation using a profile so that all files are copied and the time differential is eliminated.


Error Messages

Here you will find a list of known error messages which can occur when copying files.


ERROR	DESCRIPTION
2	<u>The system cannot find the specified file.</u>
3	<u>The system cannot find the specified path.</u>
5	<u>Access denied.</u>
8	<u>There is not enough memory available</u>
15	<u>This file would replace an existing file in the zip file, but no temp file is used (ZIP).</u>
23	<u>Data error (cyclic redundancy check)</u>
32	<u>The process cannot access the file ...</u>
33	<u>The process cannot access the file ...</u>
64	<u>The specified network name is no longer available.</u>
67	<u>The network name cannot be found.</u>
82	<u>The directory or file cannot be created.</u>
103	<u>Cannot open this file (ZIP).</u>
112	<u>There is not enough space on the disk.</u>
121	<u>The semaphore timeout period has expired.</u>
282	<u>The mounted file system does not support extended attributes.</u>
320	<u>The file was already open for writing, but permitted us to open for reading (ZIP).</u>
507	<u>Cannot write to zip file (ZIP).</u>
508	<u>Cannot move temporary file to target zip file (ZIP).</u>
521	<u>Clipboard cannot be opened</u>
999	<u>Error performing inpage operation</u>
1069	<u>The service did not start due to a logon failure</u>

ERROR	DESCRIPTION
1117	The request couldn't be executed because of an I/O device error
1130	Not enough server storage is available to process this command.
1219	Multiple connections to a server or shared resource by the same user, using more than one user name, are not allowed.
1450	Insufficient system resources exist to complete the requested service.
1816	Not enough quota is available to process this command.
2202	The user name or group name parameter is invalid.
5132	Word cannot start the converter mswrd632
-2147024891	Access denied (VSS)
-2147212522	The Windows Volume Shadow Copy Service is used by another program (VSS)
-2147212529	Unexpected provider error (VSS)
-2147212542	The Windows Volume Shadow Copy Service couldn't be initiated (VSS)
-2147417848	Automation error
-2147418113	Critical error (VSS)


ERROR 2	
Description	The system cannot find the specified file 
Cause #1	The network environment is no longer available.
Cause #2	The file has been deleted or renamed by another application.

ERROR 3	
Description	The system cannot find the specified path 
Cause #1	The network environment is no longer available or not properly initialized.
Cause #2	The folder has been deleted or renamed by another application.

ERROR 5

Description	Access denied 
Cause #1	The user has no or insufficient permissions to access the data.
Solution #1	Start AllSync with a user account providing for the requisite access permissions for this data.
Solution #2	Expand the data access permissions for the AllSync user.




ERROR 8

Description	There is not enough memory available 
Cause	The Windows page file is deactivated, doesn't exist or the size is too small.
Solution #1	Check that the Windows page file is activated and exist.
Solution #2	Increase the size of the Windows page file.

ERROR 15


Description	This file would replace an existing file in the zip file, but no temp file is used.
Cause	Existing files in a ZIP file can't be updated if no folder has been specified for the temporary creation of the ZIP file.
Solution	Activate the options for creating a temporary ZIP file .

ERROR 23


Description	data error (cyclic redundancy check) 
Cause	The stored data from different sectors on the storage medium are faulty and can no longer be read!
Solution	1. Check the disk with the Windows tool Chkdsk  . 2. Check the disk's SMART  values.

ERROR 32


ERROR 32

Description	The process cannot access the file because it is being used by another process 
Cause	Access to this file is blocked because another program has an exclusive share on the file.
Solution #1	Before copying the file, exit the application that opened and locked the file.
Solution #2	Use the Windows Volume Shadow Copy Service (VSS) copy option to copy open files.
Info #1	Use the Identify the process that is locking a file copy option to automatically detect the blocking process during a copy operation.
Info #2	The File Lock Tool enables you to manually check locked files if necessary.


ERROR 33

Description	The process cannot access the file because another process has locked a portion of the file 
Info	See error message 32 .


ERROR 64

Description	The specified network name is no longer available 
Cause	The network resource is not connected to the network and no longer available.

ERROR 67

Description	The network name cannot be found 
Cause	The network resource is not connected to the network and no longer available.

ERROR 82

Description	The directory or file cannot be created 


ERROR 82

Info	This error message may be seen when copying many thousands of files into a single directory on a FAT32 partition. On FAT32 partitions, directories are limited to 65,536 entries. Each file, however, can take up several entries. One entry is needed for the file's short (8.3) name, plus one for every 13 characters in the long name.
Solution #1	Spread your files across multiple directories if you want to use FAT32.
Solution #2	Convert the partition from FAT32 to NTFS.

ERROR 103

Description	Cannot open this file
Info	The file is locked for read access and cannot be compressed.


ERROR 112

Description	There is not enough space on the disk 
Solution #1	Check the space on the storage device and free up disk space by deleting unneeded files.
Solution #2	Delete the contents of the Windows Recycle Bin.

ERROR 121

Description	The semaphore timeout period has expired 
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ERROR 282

Description	The mounted file system does not support extended attributes 
Solution	Activate the copy method B in the profile properties.

ERROR 320

Description	The file was already open for writing, but permitted us to open for reading.
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ERROR 320

Info	The file is locked for read access and cannot be compressed.
------	--


ERROR 507

Description	Cannot write to zip file.
Cause #1	The storage device is full or has been removed.
Cause #2	The ZIP file being created exceeds the maximum size of 4 GB.


ERROR 508

Description	Cannot move temporary file to target zip file
Cause	A ZIP file of the same name in the destination folder can't be deleted and thus can't be replaced with the temporary ZIP file.
Solution	Check the access rights of the ZIP file in the destination folder.

ERROR 521



Description	Clipboard cannot be opened 
Cause	Another application is using the Clipboard and is not releasing it to your application.
Solution #1	Shut down all other applications one by one, attempting to perform the action each time.
Solution #2	Restart Windows so that the Clipboard is released again.

ERROR 999




Description	Error performing inpage operation 
Cause	A system error has occurred while using the Windows swap file.

ERROR 1069

ERROR 1069

Description	The service did not start due to a logon failure 
Cause #1	The specified login data (name or password) of the user account is incorrect.
Cause #2	The user account does not have the "Log on as a service" permission.
Solution #1	Check the name and password of the user account login data.
Solution #2	Check the Log on as a service  permission of the user account.


ERROR 1117

Description	The request couldn't be executed because of an I/O device error 
Cause	A hardware error occurred while accessing the data medium.
Note	Check the Windows system log  for more information about the device error.
Tip	Start Windows disk error checking (chkdsk ) and test the data medium for bad sectors.

ERROR 1130

Description	Not enough server storage is available to process this command 
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ERROR 1219

Description	Multiple connections to a server or shared resource by the same user, using more than one user name, are not allowed 
Info	Windows does not allow multiple connections to the same network device.
Solution #1	Check whether you have set multiple connections to the same network device in your profile, such as the destination folder '\\192.168.1.12\\Destination' and the backup folder '\\192.168.1.12\\Backup'. For either connection, replace the IP address with the computer name to resolve the problem, such as '\\192.168.1.12\\Destination' -> '\\Computer\\Destination'.
Solution #2	In Windows Explorer, disconnect all drives that are connected to the shared resource.


ERROR 1219

Solution #3	Close all Windows Explorer windows that have the shared resource open.
Solution #4	Disconnect all links to the server or the shared resource: net use "\\Computer\Sharename" /delete net use X: /delete net use * /delete


ERROR 1450

Description	Insufficient system resources exist to complete the requested service 
Solution	For information on remedying this problem, consult the Microsoft  website.



ERROR 1816

Description	Not enough quota is available to process this command 
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ERROR 2202

Description	The user name or group name parameter is invalid 
Solution	Use a different user name or group name to connect to the password-protected network folder.

ERROR 5132

Description	Word cannot start the converter mswrd632 
Solution	For information on remedying this problem, consult the Microsoft  website.

ERROR -2147024891

Description	Access denied
Solution	When user account control is activated, AllSync must be started with full administrator rights.

ERROR -2147212522

Description	The Windows Volume Shadow Copy Service is used by another program
Solution	Stop the other application using the Windows Volume Shadow Copy Service.

ERROR -2147212529

Description	Unexpected provider error
Solution	Make sure that the services required for the Windows Volume Shadow Copy Service (VSS) option for copying open files have not been deactivated.

ERROR -2147212542

Description	The Windows Volume Shadow Copy Service (VSS) couldn't be initialized
Solution	See error no. 2147417848 .

ERROR -2147417848

Description	Automation error
Solution #1	Restart AllSync and repeat the operation.
Solution #2	Restart Windows and repeat the operation.
Solution #3	Reinstall AllSync using Setup and repeat the operation.

ERROR -2147418113

Description	Critical error
Solution	See error no. 2147417848 .

Wildcards for Filters

The following wildcards are available for [filtering](#) files and folders:

WILDCARD	STANDS IN THE FILTER FOR
*	No or several characters.
?	Any single character.
#	Any single numeral (0 - 9).
[charlist]	Any single character in <i>charlist</i> .
[!charlist]	Any single character that isn't contained in <i>charlist</i> .

The wildcards can be combined in any sequence.

The following characters have to be inserted in square brackets in order to be used for a compare operation: left square bracket (**[**), question mark (**?**), pound sign (**#**) and asterisk (*****). The right square bracket (**]**) can't be used in a string of characters being compared. However, it can be indicated outside of a string as an individual character.

You can also specify a range of characters in *charlist* by indicating the largest and smallest value of the range, separated by a hyphen (-). For example, **[A-Z]** results in a match if the respective character position in *charlist* is a letter between **A** and **Z**. You can specify a sequence of several ranges in square brackets without using separators.

Other key rules for using wildcards:

- An exclamation point (!) at the beginning of *charlist* means that a match results when any character except for the characters in *charlist* is found. If the exclamation point is used outside of the square brackets it serves as a wildcard for itself.
- A hyphen (-) can appear at the beginning (after an exclamation point, if present) or at the end of *charlist* in order to serve as a wildcard for itself. In any other position a hyphen serves to designate a character range.
- When a range of characters is specified, the characters have to be listed in ascending order (from the lowest to the highest). This means that **[A-Z]** is a permissible pattern whereas **[Z-A]** isn't.

Examples:

TYPE OF CORRESPONDENCE	FILTER	CORRESPONDENCE	NO CORRESPONDENCE
Several characters	a*a	aa, aBa, aBBBa	aBC
	ab	abc, AABb, Xab	aZb, bac
[? # *	a[*]a	a*a	aaa
Several characters	ab*	abcdefg, abc	cab, aab
Individual characters	a?a	aaa, a3a, aBa	aBBBa
Individual numerals	a#a	a0a, a1a, a2a	aaa, a10a
Character range	[a-z]	f, p, j	2, &
Outside of range	[!a-z]	9, &, %	b, a
No numerals	[!0-9]	A, a, &, ~	0, 1, 9
Combination	a[!b-m]#	An9, az0, a99	abc, aj0

Placeholders for the Date and Time

The following placeholders for the date and time can be used in the [backup options](#) and the general options for the [time and date format](#).

CHARACTERS	DESCRIPTION
:	Time delimiter
/	Date delimiter
d, dd	Day (1 31, 01 31)
Ddd	Abbreviated day of the week (Sun - Sat)
dddd	Day of the week (Sunday - Saturday)
dddddd	Short date format
ddddddd	Long date format
w	Calendar week day (1 for Sunday to 7 for Saturday)
ww	Calendar week (1 54)
m, mm	Month (1 - 12, 01 12)
mmm	Abbreviated names of the months (Jan - Dec)
mmmm	Names of the months (January - December)
q	Quarter (1 4)
y	Calendar day (1 366)
yy, yyyy	Year (00 99, 100 - 9999)
h, hh	Time/hour (0 - 23, 00 - 23)
m, mm, n, nn	Time/minute (0 - 59, 00 - 59)
s, ss	Time/second (0 - 59, 00 - 59)
AM/PM, A/P, AMPM	12-hour format

RegEx - Regular Expressions

A regular expression, or RegEx, is a sequence of characters that defines a search pattern which is used for finding a specific pattern of characters in a text string. The interpreter used for processing the regular expressions is '[Microsoft VBScript Regular Expressions 5.5](#)'.

- [Search Patterns](#)
- [Common metacharacters](#)
- [Operators](#)
- [Character classes](#)
- [Helpful RegEx Resources](#)

Search Patterns

A RegEx search pattern is a sequence of characters consisting of one or more of the following components:

- Literal characters.
- Metacharacters.

Literal characters simply match their counterparts in the input text. For instance, the literal character sequence **abc** in a search pattern will simply match all occurrences of **abc** in the input text. Metacharacters, on the other hand, are far more abstract.

Common metacharacters

A metacharacter is a character, or combination of characters, with a special meaning in a RegEx pattern. Unlike literal characters, metacharacters can match several different characters in the input text or they can even represent something other than a character. I know some of these descriptions may be a bit confusing, but I encourage you to take a moment to familiarize yourself with the following metacharacters:

METACHARACTER	DESCRIPTION
.	"Wildcard." The unescaped period matches any character, except a new line.
^	Beginning of a string.

\$	End of a string
\	"Escape." The backslash in front of a metacharacter turns it into a literal character.
\b	"Word boundary" or "backspace character." Outside character classes, \b matches a position before or after a word within the text source. Within character classes, \b denotes the backspace character.
\B	"Not a word boundary." \B is the negation of \b, but has no alternate meaning within character classes.
\d	"Digit." Matches any digit from 0-9.
\D	"Not digit." Matches any character that's not a digit.
\s	"Whitespace." Matches a space, newline or tab character.
\S	"Not whitespace." Matches a character that's not a space, newline or tab.

The characters ^, \$ and \b are called **anchors**, since they match a position before, after, or between characters.

Operators

Some metacharacters change how one or more of the other components in the search pattern is interpreted, i.e. they perform operations on these other components. RegEx comes with three types of operators. The last one in the table is actually a group of metacharacter expressions:

OPERATOR	META-CHARACTER	DESCRIPTION	EXAMPLE
Boolean "or"		The vertical bar denotes the boolean "or" operator.	a b matches either "a" or "b".
Grouping	()	Parentheses are used for several purposes: 1) to define the scope and precedence of operators.2) to group characters and remember text.	h(a e)y matches either "hay" or "hey".
Quantification	?	Zero or one occurrences of the preceding element.	colou?r matches both "color" and "colour".
	*	Zero or more occurrences of the preceding	ab*c matches

		element.	"ac", "abc", "abbc", "abbbc", and so on.
	+	One or more occurrences of the preceding element.	ab+c matches "abc", "abbc", "abbbc", and so on, but not "ac".
	{n}	The preceding item is matched exactly n times.	a{3} matches "aaa".
	{min,}	The preceding item is matched min or more times.	a{1,} matches "a", "aa", "aaa" and so on.
	{min, max}	The preceding item is matched at least min times, but not more than max times.	a{1,3} matches "a", "aa" and "aaa", but not "aaaa".

Character classes

Character classes or character sets are specified with square brackets `[]`. Some of the most common ones are:

`[a-z]`

The set of lower-case letters ranging from a to z.

`[A-Z]`

The set of upper-case letters ranging from A to Z.





`[0-9]`

The set of single digits ranging from 0 to 9.

Character classes are frequently used in conjunction with operators in the search pattern. For instance, `[0-5]+` translates to find one or more digits, rather than just a single digit in the range from zero to five.

Helpful RegEx Resources

- [Wikipedia - Regular expression](#) 

- [Microsoft VBScript Regular Expressions 5.5](#) 
- [Regex Tutorial](#) 
- [Regular Expression Tester](#) 
- [Regular Expression syntax](#) 

File and Folder Attributes

Here you will get an overview of all file and folder [attributes](#) supported by AllSync:

ATTRIBUTE	DESCRIPTION
Archive (A)	This file is marked to be included in incremental backup operation. Windows sets this attribute whenever the file is modified, and backup software should clear it when processing the file during incremental backup.
Compressed (C)	The file is compressed.
Directory (D)	The file is a directory.
Encrypted (E)	The file or directory is encrypted. For a file, this means that all data in the file is encrypted. For a directory, this means that encryption is the default for newly created files and directories.
Hidden (H)	The file is hidden, and thus is not included in an ordinary directory listing.
Normal (N)	The file is a standard file that has no special attributes. This attribute is valid only if it is used alone.
Not Content-Indexed (I)	The file will not be indexed by the operating system's content indexing service.
Offline (O)	The file is offline. The data of the file is not immediately available.
Read-Only (R)	The file is read-only.
Reparse Point (L)	The file contains a reparse point, which is a block of user-defined data associated with a file or a directory.
Sparse File (P)	The file is a sparse file .
System (S)	The file is a system file. That is, the file is part of the operating system or is used exclusively by the operating system.
Temporary (T)	The file is temporary. A temporary file contains data that is needed while an application is executing but is not needed after the application is finished.
Virtual (V)	This attribute is reserved for system use.

Windows Naming Conventions

To ensure your files and folders sync correctly on other operating systems, try to follow these guidelines:

Incompatible characters with Windows

When naming your files, avoid characters incompatible with the Windows file system:

/	forward slash
\	backslash
<	less than
>	greater than
:	colon
"	double quote
	vertical bar or pipe
?	question mark
*	asterisk
.	period or a space at the end of a file or folder name

For more information about the Windows naming conventions visit [Microsoft](#) .

Max character length

Windows only allows file and folder names of 260 characters or less but permit a maximum total path length of 32,767 characters which will be supported by AllSync. Please note that the Windows Explorer supports only a maximum total path length of 260 characters. The content of folders with a path length of more than 260 characters cannot be displayed with the Windows Explorer. Alternatively, you can use a tool like [FreeCommander](#) to display and process files with a path length of more than 260 characters.

Case conflicts

Most Linux installations allow you to have several files or folders with the same name but different capitalization. However, by default, Windows won't differentiate file or folder names by case. Therefore, if AllSync comes across Linux directories named "DATA FOLDER" and "data folder", it will create only one folder with this name at the Windows computer but it will sync the content of both Linux folders with the content of the single folder at the Windows computer.

Ordering AllSync

Please refer to the following web page to order licenses for the software AllSync:

www.AllSync.biz 