ViceVersa PRO
Version 4 Release

ViceVersa PRO 4 focuses on big performance enhancements (it's a lot faster!) and adds new functionality.

Performance Enhancements

➡ **Faster** *file copy* and *delete* speed, up to *50%* or more in some cases, when copying or deleting files in ViceVersa.

➡ Significantly **increased** overall speed and responsiveness of the side-by-side comparison window and file lists when working with millions of files, e.g., select view, preview, selection of files, overall display, file filtering, finding, deleting files, refresh, re-comparison after copy/delete, archiving etc.

➡ Several **new** *multithreading options* to fine-tune folder scanning performance (Profile Settings -> Performance):

- Scan Target While Scanning Source (Prefetch Target)
This option can help comparison speed in certain scenarios, as ViceVersa scans and caches the target at the same time as the source.

- Multithreaded Source Scanning
Use multiple threads to scan source (16). Over network and/or low latency this can help speed up the scanning time significantly.

- Multithreaded Target Scanning
Use multiple threads to scan target (16). Over network and/or low latency this can help speed up the scanning time significantly.

- Multithreaded Comparison
Use multiple threads to compare source and target (16 by default). This can help speed up the scanning time significantly, especially when CRC/SHA-256 comparison and verification is used.

With the four new multithreading options, the source / target comparison total time can be reduced to half in certain cases.

➡ **New Option** '*Use Large Fetch*' in Profile Settings -> Performance. With this option, ViceVersa uses a larger buffer for directory queries. This can increase performance of source / target scanning over low latency connections.

➡ **Faster** handling of file icons over network in the comparison window (i.e. .exe and .ico icons). Icons could slow down the ViceVersa display in the comparison window in earlier versions.

➡ **Faster** scanning of repeated folders: if a profile has the same folder used repeatedly as source or target, that folder is no longer scanned multiple times but just once, which is faster. For example, if a profile has folder A replicating to folder B and folder A replicating to folder C, folder A will be scanned just once in version 4. In earlier versions, folder A would be scanned twice. If multiple scanning is still required, the new option "*Force rescan of repeated source and target folders*" can be enabled in Profile Settings -> Advanced Settings -> More Settings.

New Features / Improvements

New "*Find*" and "*Find Filters*" functionality (menu -> lists -> find or CTRL+F), to search for files in the source or target side-by-side list. This also include the capability to apply a "Find Filter", e.g., to show only files with extension *.doc in the lists or based on name etc. More info in the help file.

New ability to specify a default profile file to be used as starting point when a new profile is created. The default profile should be named "default.fsf" and should be saved in the ViceVersa installation folder, where the ViceVersa.exe file is located. If a file "default.fsf" is found by ViceVersa, then when "New Profile" is selected, the settings in default.fsf are used as default values.

New Option '*Create Volume Shadow Copy only when needed*', i.e., if there are locked/in-use files that can't be copied. If there are no locked/in-use files for that run, the volume shadow copy is not created which is much faster and much less resource intensive.

New Option "*Use Quick Archive Check*" in profile settings -> archiving. When this option is enabled, ViceVersa only performs a quick archive check, and never a full archive check/rescan, which can be slow if there are many files in the archive locations.

New Option "*Case-Sensitive*" for file/folder name comparison, in profile settings -> comparison.

New Option "*Log Comparison Status to CSV*" in profile settings -> execution. This option will export the comparison status before and after execution automatically to a CSV file.

New Option "*Move Files Only (Not Folders)*" in profile settings -> execution. With this option, ViceVersa will only move files and not folders to target, when 'Move to Target' is enabled.

New ability to suppress overwrite, overwrite newer, delete read-only warning dialogs in Preferences -> Manage Don't Ask Me / Tell Me again.

New ability to IGNORE, IGNORE ALL, CANCEL on CRC calculation error.

New Separated "Skipped Files" from "Error Files" in the e-mail body and the environment variables. Newly added: %VV_COPIED_FILES_SKIPPED%, %VV_DELETED_FILES_SKIPPED%

Improved *'File Hashes'* extension in Windows Explorer with new coloring of file names based on their hash when sorting, and included the ability to add to the existing list, if File Hashes list is already open.

Moved the option "*Do not copy file streams*" to Profile Settings -> Advanced Settings -> More Settings.

New "*check for software updates*" functionality with increased security.

The Option '*Replace newer target files with older source files*' can now be used with the Replication methods too, not just Backup.

Give warning instead of an error when 'Additional File Streams' cannot be copied.

Tested on Windows 11 and Windows Server 2022.

Bug fixes.