

Cloudpaging Studio 9.4.0 Release Notes

Date: February 20, 2024

Studio Version: 9.4.0.2160



Package Contents

Studio\Cloudpaging Studio.msi

Studio\Cloudpaging Studio x64.msi

Documentation\Cloudpaging Studio Guide.pdf



Version Compatibility

The 9.4.0 Cloudpaging Studio fully supports all older appset versions. Older appsets may not have the full set of features available with the 9.4.0. Any edits made to these appsets will update their versioning.

9.4 project files (.STW) are compatible with pre-4.0 (9.3.1, 9.3.0, etc.) Studio versions by default.

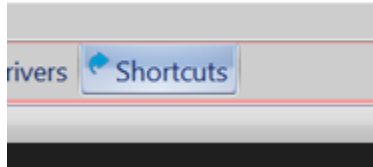
9.4 project files (.STW) are not compatible with pre-4.0 Studio versions only when Compression is set to LZ4 (non-default setting).

Overview

In this latest update to Cloudpaging Studio, we enhanced the packaging experience by introducing the all-new "Shortcuts" tab within Studio, allowing seamless addition, removal, or modification of application shortcuts inside a Numecent container. We also added a new compression algorithm that can accelerate deployments, especially those in VDI environments, between 10x to 100x. To further simplify the packaging process, we have expanded the automation capabilities and added more commands to the command-line interface within Studio. This release also includes fixes for bugs and directly addressed customer-reported support issues. This document shows a curated selection of features and enhancements made in this release.

Highlights

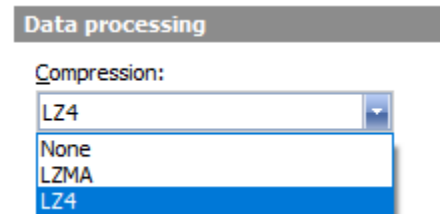
Shortcuts Management Tab



The new Shortcuts tab in Studio makes it easy to manage (add, delete, modify, exclude) application shortcuts on user Desktops and Start Menus. The new shortcuts tab will also highlight any potential issue, providing a quick way to configure the command line setting.

LZ4 Compression

Studio now supports a newer compression type called "LZ4". While the compression ratio is not as small as LZMA, LZ4 decompression speeds are between 10x to 100x faster. This is useful for multi-source and precache use cases where latency and storage are not a concern relative to application performance.



Automation and CLI Enhancements

Numecent is committed to making packaging applications simple and straightforward. Numerous enhancements have been implemented to expand application packaging automation capabilities and seamlessly integrate command-line operations within Cloudpaging Studio. This includes the ability to add specific files or registry keys when automated packaging, improving error messages, and fixing various defects. In addition, Cloudpaging Studio can now output key information about an appset and extract appsets via CLI for quick analysis.

🕒 Enhancements and Improvements

Here are some more details on the enhancement highlighted above and additional improvements made in this release.

| Issue Type | Summary | Issue key |
|-------------|--|--|
| Enhancement | Shortcut Management Tab <ul style="list-style-type: none"> Add Shortcuts tab to Cloudpaging Studio. Add ability to set the command line, working folder, and icon for the appset from a shortcut. | STU-2228 STU-130 |
| Enhancement | New Improved Compression Type <ul style="list-style-type: none"> Adding LZ4 as a compression choice. Add "Do not compress" option for generating multi-source or precache files. | STU-2264 STU-2247 STU-419 STU-2254 |
| Enhancement | Automation Enhancements <ul style="list-style-type: none"> Provide the ability to automate the packaging of existing folders/registry keys. Improve error messages when using the automated packaging. Suppress any popup UI dialogs with using automated packaging. | STU-2233 STU-2290 STU-2271 STU-2273 |
| Enhancement | Command Line (CLI) Improvements <ul style="list-style-type: none"> Added support to output appset settings (from TOK) to human readable text file. Added support for "Extract Application" via command line. | STU-2274 STU-2315 STU-2216 STU-1 |
| Improvement | Improved Logging <ul style="list-style-type: none"> Added Symbolic/Hard Link entries in the Studio merge log. Added Captured install parameters to the Studio log file. | STU-186 32600 STU-195 24460 |
| Improvement | <ul style="list-style-type: none"> Modified default Command Line security settings to not apply copy and write protection, which allows greater compatibility with Windows AppLocker. | STU-2219 |
| Improvement | <ul style="list-style-type: none"> Remove deprecated "AES-256" option from the list of encryption choices as replaced by Enhanced AES option. | STU-2265 |

Bugs

Here are some defects we squashed in this release.

| Issue Type | Summary | Issue key |
|------------|---|-------------------------|
| Bug | After capturing Printer driver in 32bit machine, virtualizing to 64bit machine results in DLL Path error. | STU-309 34105 |
| Bug | Application failure at launch when virtualized due to order of files in a folder. | STU-307 33020 |
| Bug | Studio prompts "Out of memory" error when using a Regdispositions.dat file larger than 20KB. | STU-234 33554 |
| Bug | Extracted registry values are shorter than expected. | STU-142 |
| Bug | Setting Global Disposition changes behaves differently when working with STW vs. AIB. | STU-2237 |
| Bug | Run key item shows in Registry tab but not in Startup tab. | STU-2235 |
| Bug | Studio crashes after merging capture for very large applications. | STU-2294 |
| Bug | Studio does not capture file deletion when the file is opened with FILE_DELETE_ON_CLOSE flag. | STU-2313 |
| Bug | Studio can take hours to fail when adding a large file/folder structure and no drive space available for packaging. | STU-381 |
| Bug | Patched AIB file shows registry entries that have been deleted from the STW. | STU-358 |

Open-Source Disclosure

Numecent's Cloudpaging products use open-source software licensed to Numecent for use and redistribution under an open-source license. To better inform Numecent customers on what open source code is included within Cloudpaging products, please see this [support article](#) to learn more.

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