



# STINGRAY<sup>®</sup> STUDIO 2025.1 RELEASE NOTES

## • Introduction

### In this Document

These release notes contain a summary of new features and enhancements, late-breaking product issues, migration from earlier releases, and bug fixes.

For change logs or other information on previous releases, please contact Technical Support.

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**NOTE >>** Perforce products may contain undocumented interfaces. These interfaces are not supported for general use and may be changed or removed from release to release.

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**NOTE >>** The version of this document in the product distribution is a snapshot at the time the product distribution was created. Additional information may be added after that time because of issues found during distribution testing or after the product is released. To be sure you have the most up-to-date information, see the version of this document on the Perforce web site: <https://help.perforce.com/stingray/>

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# Updated Platform Support

See Platforms and System Requirements at <https://help.perforce.com/stingray>.

This product is tested on Windows 11 Pro v23H2, build 22631 and Windows 10 v22H2, build 19045, Visual Studio up to version 2017(15.9.63), 2019(16.11.47), 2022 (17.14.4) and .NET Framework version 4.7.2

## Bug Fixes and Enhancements

### Common

- SRSTUDIO-8652 Modify makefiles to avoid redundant re-builds of Foundation

### Chart

- SRSTUDIO-8791 Changed undesirable #define directives to avoid conflict with applications

### Grid

- SRSTUDIO-9831 Objective Grid Formula Engine sample "Formula" crashes while doing operations in tab: Logic
- SRSTUDIO-9786 Build of sample CellTipDemo fails because of a bug in Grid library GXALL.h
- SRSTUDIO-9779 Incorrect redrawing when pasting of multi-line content into a one-line field on the last row
- SRSTUDIO-9769 Read-Only Checkboxes can't be distinguished from Editable check-boxes in Grid CGXCheckBox
- SRSTUDIO-9755 Incorrect Enabling of Resizing by Double-Click
- SRSTUDIO-9742 Freeze left columns disables auto fill handle on all frozen columns
- SRSTUDIO-9739 Grid Cells displays tooltip window over overlapped windows present on top of the Grid window
- SRSTUDIO-9730 Numeric Edit control enhancement to add customer desired features formats

- SRSTUDIO-9627 Problem with Grid Date formats in latest release of the grid (2023.2) while loading old grid format file saved with 2023.1 version
- SRSTUDIO-9614 Add the ability to print non-contiguous multiple selected rows to Print/Print Preview functionality for Objective Grid

## Grid.NET

- SRSTUDIO-9772 GridExcelHelper library doesn't compile on using v3.1.0.0 of package: 'DocumentFormat.OpenXml'
- SRSTUDIO-9200 Multiple issues in Grid.NET
- SRSTUDIO-8837 Get a notification of a date change via a DateTime control's dropdown calendar

## Foundation

- SRSTUDIO-9773 Use '\_swprintf\_s' instead of the unsafe '\_swprintf' in Stingray file PropContainer.h

## FoundationEx

- SRSTUDIO-9306 Stingray L&F: Migration to FoundationEx from new (developed with Visual Studio App Wizard) projects

## Toolkit

- SRSTUDIO-9854 Fix CVE-2023-52355 in our current tiff library 4.5.1 by using limits via TIFFOpenOptionsSetMaxSingleMemAlloc() in TIFFClientOpen() api
- SRSTUDIO-9846 Upgrade to LibTIFF 4.7.0
- SRSTUDIO-9851 Implement Outlook-like with White/Black/Gray Theme for Tree control
- SRSTUDIO-9760 Handle mouse wheel events in tooltip window
- SRSTUDIO-9751 In SecToolbar, toolbar button's are not disabled when they are called with SetCheck(TRUE) and Enable(FALSE)
- SRSTUDIO-9563 Update to zlib 1.3.1
- SRSTUDIO-9751 In SecToolbar, toolbar button's are not disabled when they are called with SetCheck(TRUE) and Enable(FALSE)

## Utils

- SRSTUDIO-9392 Windows 11 version detection in Stingray Assistant

## Common Enhancements

### AI-powered search for product information

- On the main page of the <https://help.perforce.com/stingray/> documentation site, you can now enter a question to get an AI-generated answer. Answers combine content from the current version of the product documentation and the Perforce knowledge base. This new search experience helps you locate information more efficiently.

## Known Issues

### Compilation

#### C++23 Build Error and Support

The following error is generated when using latest Visual Studio 2022 update 17.6.4 and later, and if using *C++latest* as C++ Standard for creating non-make file-based builds:

```
"C:\Program Files\Microsoft Visual  
Studio\2022\Professional\VC\Tools\MSVC\14.36.32532\modules\std.ixx(147,1): fatal error C1010:  
unexpected end of file while looking for precompiled header. Did you forget to add '#include  
"stdafx.h"' to your source?"
```

To resolve this error set the following option:

**Configuration Properties > C/C++ > Language > Build ISO C++23 Standard Library Modules = "No"**

### Project Files

#### Targeted to Windows SDK

We ship .vcxproj files ported to Visual Studio 2017 targeted to Windows SDK 10.0.17763.0 with the following line of code:

```
<WindowsTargetPlatformVersion>10.0.17763.0</WindowsTargetPlatformVersion>
```

If you are targeting the Windows 8.1 SDK, this line is not needed and should be removed.

For Visual Studio 2019 and 2022, we use a new option to target to the latest installed version of the SDK:

```
<WindowsTargetPlatformVersion>10.0</WindowsTargetPlatformVersion>
```

You can re-target C++ projects to another version of Windows SDK using the Windows SDK setting in Stingray Assistant or by manually editing the `.vcproj` file and changing the code line above to match the Windows 10 SDK version you would like to target.

For projects that are not makefile-based, you can re-target the Windows SDK version on the project's property pages (**Configuration Properties | General | Windows SDK Version**) or use the "Retarget Projects" option in Visual Studio IDE. Note that these options do not work for makefile-based projects used for main Stingray components.

## Targeted to .NET Framework

Stingray projects which use .NET are targeted to .NET Framework 4.7.2.

To set this targeting in shipped MFC samples or other similar projects used with C++\CLI, you need to add the following line of code in the `<PropertyGroup Label="Globals">` of the `*vcxproj` file:

```
<TargetFrameworkVersion>v4.7.2</TargetFrameworkVersion>
```

## "Run as Administrator" is needed for Build

To build Stingray components, start Visual Studio with the "Run as administrator" option. If you start Stingray Studio Assistant in administrator mode, launching Visual Studio from Assistant will also launch Visual Studio in administrator mode.

## Parallel Projects Build May Cause Errors

To avoid possible Stingray build errors in Visual Studio, go to **Tools > Options > Projects And Solutions > Build and Run**, and set "maximum number of parallel project builds" to 1.

## Grid Build with ExcelReadWrite Option

Grid make file was modified to ignore ExcelReadWrite files when building with Unicode. In the Grid Build Wizard this option was set checked by default. We strongly recommend you do not

run build wizards for Grid and other components until you're sure it is needed for your custom purpose. This improvement does not work for build Grid from command line. If you face any problem building from command line, please, contact [techsupport@perforce.com](mailto:techsupport@perforce.com).

## Build Fails with Message "This project cannot build given the current state of the project."

Use of Visual Studio versions 17.12 and later may cause build error message "This project cannot build given the current state of the project."

This error is common after upgrading to Visual Studio 2022 version 17.12, especially with MFC projects. Usually retarget the project can resolve this. If the problem persists, search for Microsoft documentation.

Later versions of Visual Studio (we tested with 17.14) do not show up this problem.

## Build GridExcelHelper

Build of GridExcelHelper fails if DocumentFormat.OpenXml 3.1.0.0 is not installed.

To build a project using DocumentFormat.OpenXml version 3.1.0.0, follow these steps:

1. Install the NuGet Package:
  - Open your project in Visual Studio.
  - Go to the NuGet Package Manager (Tools > NuGet Package Manager > Manage NuGet Packages for Solution).
  - Search for DocumentFormat.OpenXml and install version 3.1.0.0.
2. Add References:
  - Ensure that your project references the DocumentFormat.OpenXml assembly. You can do this by right-clicking on your project in Solution Explorer, selecting Add Reference, and then browsing to the installed package.

# Limitations

## Installation

### General Installation Issues

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**NOTE >>** Each Stingray Studio release is a replacement for, not an upgrade to, the previous version. Always perform an installation into a new area, and not into the same install directory as a previous version

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- User Guides are no longer installed into the Docs folder, but instead are provided online. These guides are accessible from the *Documentation* shortcut installed in the Start menu or from the Stingray Assistant tool.
- Uninstall may not remove files and folders which were changed after installation.
- Grid for .NET Reference Guide is provided on Web-site only.

## Build

### C++\CLI Issues

With use of the latest C++ language standards, there are some limitations on build with /clr compiler option (C++\CLI). This limitation impacts FoundationEx.NET, Grid for .NET and managed build configuration for all other Stingray components.

- **Visual Studio 2017:** *for each version of C++ language standard, setting the /clr option works fine without option /permissive-, but build with the /permissive- compiler option requires to set an additional option /Zc:twoPhase-*
- **Visual Studio 2019:** *build with the /clr option is not available for c++latest (Command Line error D8016 : '/clr' and '/std:c++latest' command-line options are incompatible); for other versions of C++ language standard, it works fine without option /permissive-, but build with the /permissive- requires additional option /Zc:twoPhase-*

## Missing links

There are no links in Stingray Studio Assistant to navigate to Grid for .NET:

- <InstallDir>\Objective Grid for Microsoft .NET\GridControl\*.sln
- <InstallDir>\Objective Grid for Microsoft .NET\Samples\Samples\*.sln
- <InstallDir>\Objective Grid for Microsoft .NET\Tutorials\Tutorials\*.sln

## Slow Loading of Visual Studio

When Visual Studio is launched from the Assistant, the solution platform is reset to correspond selected compiler (32 or 64 bits). This operation is slow and sometimes causes very slow loading of Visual Studio. There is a new option: uncheck a checkbox Set Platform on the Libraries tab to quick load Visual Studio without setting solution platform programmatically (it is easy to set manually on IDE).

## Vc.bat

Running vc.bat commands a few times may cause error: "The input line is too long. The syntax of the command is incorrect".

This error is not related to our scripts but is caused by vcvarsall.bat. It repetitively adds the same paths to the PATH variable until the above error is displayed. You can read more about this issue here:

<https://stackoverflow.com/questions/16821784/input-line-is-too-long-error-in-bat-file>



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