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STINGRAY STUDIO 2024.1 RELEASE NOTES

Stingray® Studio

• 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.

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

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/>

Updated Platform Support

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

Testing was done on Windows 11 Pro v23H2, build 22631 and Windows 10 v22H2, build 19045, Visual Studio up to version 2019 (16.11.37) and 2022 (17.10.3), and .NET Framework version 4.7.2

Bug Fixes and Enhancements

Common

- SRSTUDIO-9636 Fixed build errors during compiling Stingray RWUXTheme solution on Windows 7 SP1 OS.
- SRSTUDIO-9641 Upgraded Stingray Assistant to re-encoding files and build with utf-8 flag.

Chart

- SRSTUDIO-9542 Adjusted data labels when using CX_TAG_POSITION_CENTERED together with CX_TAG_ORIENTATION_90.

Grid

- SRSTUDIO-9512 Enhanced sorting within Grid to accommodate international number formats when autodetect=ON.
- SRSTUDIO-9559 Removed a disabled warning pragma C4996 in Formula Engine from the GXSINC.h file.
- SRSTUDIO-9593 Updated ADO connection string for SQL Server.
- SRSTUDIO-9596 Elaborated handling bigint in ADO to avoid crash.

- SRSTUDIO-9604 Implemented expansion of a row or column to the max text size behavior when double click on a header separator to mimic Excel.
- SRSTUDIO-9615 Resolved infinite loop for Formula Engine sheet function "YIELD" and its variants
- SRSTUDIO-9727 Fixed unhandled exception coming during saving Grid as XML format.

GridEX

- SRSTUDIO-9546 Fixed deselection of cells in ExcelLike Grid when selecting a cell and extending selection via Keyboard (Shift +Arrow Keys).
- SRSTUDIO-9560 In ExcelLike Grid, changed selection behavior to ensure a selection made with Shift+Click moves current cell like in the Excel.
- SRSTUDIO-9574 In ExcelLike Grid, enabled selection with Shift+PgDn and Shift+PgUp.
- SRSTUDIO-9601 Fixed wrong drawing of additional header rows and columns.

FoundationEX

- SRSTUDIO-9527 Fixed wrong setting of version in SFLEx and GridEx.
- SRSTUDIO-9584 In Menu resource IDR_SFLEX_THEME_2013_MENU, fixed image in Style: Office : Accent : Word as compared to PowerPoint/Excel/Outlook accents.

Foundation

- SRSTUDIO-9575 Under SFL folder, FileStream.h has, fixed an issue with double deleting of pointer on catching an exception.

Toolkit

- SRSTUDIO-9490 Fixed positions of the mouse pointer and the frame to be the same on 4K monitor while moving toolbars in OT sample toolbar.
- SRSTUDIO-9555, SRSTUDIO-9624 Developed a customer requested Numeric Edit control with ability to change format of doubles.
- SRSTUDIO-9648 Correct additional issues reported by Customer for a new Numeric Edit control
- SRSTUDIO-9580 Fixed macro FIELD_IGNORE multiply defined and corrected a usage of HAVE_ASSERT_H in sectiff library

- SRSTUDIO-9623 Fixed caused by zlib upgrade incompatibility of files, compressed via SECCompressFile object, with versions older than 2023.2.
- SRSTUDIO-9634 Upgraded Libtiff from version 4.2.0 to latest version 4.5.1 to get rid of vulnerabilities detected in version 4.2.0.

Views

- SRSTUDIO-9590 Fixed crash caused by resizing of text component.

Utils

- SRSTUDIO-9530 Fixed versions set in Build Wizards.

Docs

- SRSTUDIO-9554 Fix information in Reference Guide, CGXStyle::SetFormat.
- SRSTUDIO-9557 Added description for new sorting features (internationalization) in Users Guide.
- SRSTUDIO-9622 Old link to KB articles replaced with a new one.

Common Enhancements

Stingray Documentation

To enable searching across guides, we have implemented a unified search for the guides listed below:

- Stingray Studio User Guide
- Stingray Studio API Documentation
- Stingray Objective Grid for .NET User's Guide

- [Objective Grid KB](#)

Downloads

SRSTUDIO-9616 Moved Stingray downloads to AWS S3 to be accessible via the portal

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 .vcxproj 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.

Blocked Executables

To allow an app to access controlled folders in Windows 11:

1. Select Start > Settings > Update & Security > Windows Security > Virus & threat protection.
2. Select Manage settings under Virus & threat protection settings.
3. Select Add or remove exclusions under Exclusions and add the Stingray Studio 2024.1 folder.

Limitations

Installation

General Installation Issues

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

- 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.

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-`*

UTF-8

The new `\utf-8` checkbox is added in Additional Options checked listbox, as an alternative you can add `\utf-8` to a textbox for additional compiler options. When `\utf-8` is set and a library to be built is selected,

clicking the Run or Start button causes re-encoding of all corresponding .h, .cpp, inl files. A dummy empty file UTF.mrk is added to the folder where files were modified to avoid attempt to modify in future builds. Re-encoding is a one-way process. If you need the files in the original format, you can do a fresh install of Stingray Studio or use the backup files. You need to manually backup the files in advance.

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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