



STINGRAY STUDIO 2020.1 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 Rogue Wave web site:
<https://www.roguewave.com/help-support/documentation/stingray>



New Features

Updated Platform Support

Please see Platforms and System Requirements at <https://www.roguewave.com/help-support/documentation/stingray>.

In this version, support was added for current updates of **Windows 10** and **Visual Studio 2015, 2017 and 2019**, in 32 or 64 bits.

Testing was done on Windows up to version 20H2 (10.0.19042), Visual Studio up to version 2019 (16.8.2) and .NET Framework up to version 4.7.2



Bug Fixes and Enhancements

Common

- [SRSTUDIO-8451]: Fixed build dependencies set incorrectly
- [SRSTUDIO-8445]: Fixed build fails with migration to VS 2019 16.3
- [SRSTUDIO-8442]: Fixed defects in porting code to language standards
- [SRSTUDIO-8417]: Fixed Property Sheets had hardcoded paths instead of tags
- [SRSTUDIO-8540]: Fixed project files for VC16 were checked in with hardcoded version number instead of the tag
- [SRSTUDIO-8568]: Fixed memory leaks caused by incorrect deletion of arrays
- [SRSTUDIO-8529]: Fixed error C3861: 'MvcViewport': identifier not found
- [SRSTUDIO-8528]: Fixed compiler warnings C5205
- [SRSTUDIO-8530]: Fixed compiler warnings C5054

Grid

- [SRSTUDIO-8457]: Fixed conflicts caused by dependency on macro 'min'
- [SRSTUDIO-8424]: Fixed gxadolib libraries provided for vc16/x86
- [SRSTUDIO-8492]: Fixed CGXFont initialization to initialize b8Value
- [SRSTUDIO-8516]: Fixed incorrect drawing of a themed checkbox
- [SRSTUDIO-8470]: Fixed crash in GXRANGE.cpp with default release optimization for VS 2019
- [SRSTUDIO-7380]: Fixed incorrect project settings in a sample PrintPreview
- [SRSTUDIO-8561]: Fixed broken link to help in Grid Designer
- [SRSTUDIO-8009]: Fixed rows selection with Shift+Arrow(up/down)
- [SRSTUDIO-8009]: Fixed deletion of cells selected with Ctrl
- [SRSTUDIO-8413]: Fixed build error in Grid with checked ExcelReadWrite

Toolkit

- [SRSTUDIO-8431]: Fixed missed check boxes in SECTreeCtrl
- [SRSTUDIO-8432]: Provided mechanism to turn off DPI scaling for image list

Views

- [SRSTUDIO-8466]: Fixed crash when text component is used as a child of a symbol

FoundationEx

- [SRSTUDIO-7467]: Fixed incorrect optimization setting in debug configurations

GridEx

- [SRSTUDIO-8501]: Fixed tooltip text displayed incorrectly
- [SRSTUDIO-7853]: Fixed crash on release of mouse button in application using class CGXGridViewEx
- [SRSTUDIO-7817]: Added flexibility for subclassing CGXGridCoreEx<T>

ExcelGridHelper

- [SRSTUDIO-7882]: Fixed GridExcelHelper created incorrect new Excel file

Stingray Assistant

- [SRSTUDIO-8473]: Assistant modified to allow set build with /Zc:wchar_t-
- [SRSTUDIO-8429]: Assistant modified to allow set build release with debug info
- [SRSTUDIO-7882]: Assistant modified to allow set build with Control FlowGuard



Known Issues

Project Files

Targeted to Windows SDK

We ship .vcxproj files ported to Visual Studio 2017 targeted to Windows SDK 10.0.17763.0 with 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, 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 the Windows SDK using the Windows SDK setting in Stingray Assistant or manually edit the .vcxproj file and change the code line above to match the Windows 10 SDK version you would like to target.

For projects which 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 "Retarget Projects" option in Visual Studio IDE. Please, be aware 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 4.6.2.

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

```
<TargetFrameworkVersion>v4.6.2</TargetFrameworkVersion>
```

Libraries Build Random Error

On start of building a solution for Stingray libraries, sometimes an error is displayed in the build log:

```
--- Build started: Project: RWUXTheme, Configuration: Stingray Lib MFC DLL Unicode Release (au)
x64 ----
Error: The operation could not be completed. Unspecified error
```

Usually, it is enough to close and re-open the solution to overcome this error.

Grid for .NET Build Error with Visual Studio 2019

On start of building a solution for GridControl, an error is displayed in the build log:

```
fatal error C1001: Internal compiler error.
(compiler file 'msc1.cpp', line 1591)
```

This is a bug in the latest updates of Visual Studio 2019, Microsoft is investigating this issue.

"Run as Administrator" is needed for Build

To build Stingray components, Visual Studio should start with the "Run as administrator" option. When you first start Stingray Studio Assistant with Run as administrator, Visual Studio is launched from Assistant with "Run as administrator" option.

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 Grid Build Wizard, this option was set checked by default. We strongly recommend do not run build wizards for Grid and other components until you'll be sure it is needed for your custom purpose.



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

- Documentation location changed
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.

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-`*

Stingray Studio Assistant

Missed links

There is no links in Stingray Studio Assistant to navigate to GridExcelHelper and Grid for .NET:

- `<InstallDir>\Src\ GridExcelHelper*.sln`
- `<InstallDir>\Samples\Grid\Excel\ExcelReadWrite_CLI\1stGridS1_*.sln`
- `<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`



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