IntervalZero

Product Release Notice

RTX64 Visual Studio 2015 Support

General Availability Release Date

August 20, 2015

Product Overview

RTX64 Visual Studio 2015 Support provides support for developing, building and running RTSS applications with Visual studio 2015 on RTX64 2014 with Service Pack 2 and Update 1. The update can be downloaded here.

Release Highlights

- RTX64 Application & RTDLL Templates
- Visual Studio 2015 C Runtime Support
- API Code Snippets
- Debugging Support

Features

RTX64 Application & RTDLL Templates

With the provided RTX64 application and RTDLL templates you can:

- create projects and solutions for the development of RTX64 applications or RTX64 Real-Time Dynamic-Link Library (RTDLLs).
- create projects that contain 4 build configurations: Windows Release, Windows Debug, RTSSRelease, and RTSSDebug.
- set the project settings for each configuration according to the program and project options that you specify.

- provide a basic C/C++ program framework, which contains code to create RTX64 objects and demonstrate their use

C Runtime Support

The C Runtime support includes:

- support for the multithreaded static version of the Microsoft Visual Studio 2015 C Runtime libraries
- support for both release and debug versions of a subset of standard C Runtime APIs

API Code Snippets

The Code Snippets provide templates for the following API:

- RtCreateProcess - creates and starts a new RTSS process
- CreateThread - creates and starts a new RTSS thread
- RtCreateTimer - creates and starts a new RTSS timer
- RtAttachInterrupt - allows the association of an Interrupt Service Thread (IST) and Interrupt Service Routine (ISR) with a line-based or message-based hardware interrupt

Debugging Support

The Visual Studio 2015 launch provider and debug engine includes the ability to:

- debug RTSS applications locally and remotely within Visual Studio through launch
- create breakpoints and step through code within Visual Studio
- set debugging properties for main thread affinity and the use of local memory

Availability

RTX64 Visual Studio 2015 Support and the required Update 1 for RTX64 2014 with Service Pack 2 are available beginning August 20, 2015 through Partners and by contacting Sales: sales@intervalzero.com or (781) 996-4481.

Feedback

We welcome comments and feedback. If you have any recommendations, or wish to suggest any product enhancements, please contact Product Management at:
productmanagement@intervalzero.com.