IntervalZero

Product Release Notice

RTX64 2013 with Service Pack 1 and Update 3

General Availability Release Date

May 16, 2014

Product Overview

RTX64 2013 with Service Pack 1 and Update 3 is the latest 64-bit version of IntervalZero's market-leading hard real-time software products. This update provides fixes for a number of important issues. The software can be downloaded here.

Features and Resolved Issues

RTX64 2013 with Service Pack 1 and Update 3 includes the following:

Subsystem

- Resolves an issue where using priority promotion with a large number of mutexes could lead to large latency and undeterministic performance of the subsystem. This scalability issue was reproducible when the number of mutex objects was larger than 10,000. (2468, 2437)
- Resolves an issue where EnterCriticalSection could fail silently if called with an invalid CRITICAL_SECTION structure. (2560)
- Resolves an issue where under memory stress conditions pieces of the subsystem could be swapped out of memory and the launching of an RTSS process could cause a system to crash. (2629)
- Resolves an issue where the subsystem was unable to correctly determine the number of available processors and would not start. This issue only occurred on systems built from ghosted images. (2639)

RT-TCP/IP Stack and Drivers

- Resolves an issue where multiple network interfaces on the same subnet could not be pinged. (2584)
- Resolves an issue where repeatedly calling sendto with a non-existent IP address would cause unexpected latency within the calling RTSS application. (2622)

Tools

- Resolves an issue where RtssRoute is not documented. (2461)
- Resolves an issue where editing the Time Quantum value in the control panel has no effect. (2631)

SDK

- Resolves an issue where GetModuleHandle did not properly handle a parameter of NULL, which should return the file used to create the calling process (.rtss file). (2466)
- Resolves an issue where calling RtEnumProcessModules from an RTSS process caused an access violation. (2443)

Installation

- Resolves an issue where internal registry information was not properly removed on modifying or uninstalling features. Under some conditions on reinstall of the Runtime the Activation and Configuration utility incorrectly showed the subsystem was already configured. (2439, 2507)
- Resolves an issue where if the Microsoft .NET Framework failed to install, the RTX64 installation would continue. (2130)

Activation & Licensing

The IntervalZero product licensing system allows for flexibility in how features are activated and deployed. Please click here for an overview of IntervalZero product licensing.

For additional information on deployment, refer to the RTX64 Deployment Guide located on the IntervalZero web site.

Availability

RTX64 2013 with Service Pack 1 and Update 3 is available beginning May 16, 2014 through Partners and by contacting Sales: sales@intervalzero.com or (781) 996-4481.

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