



RELEASE NOTES

December 2018

Rogue Wave Server®
Version 6

Introduction

These *Release Notes* highlight the changes for the following versions of Rogue Wave Server:

- ◆ [Server version 6.3 changes](#)
- ◆ [Server version 6.2.1 changes](#)
- ◆ [Server version 6.2 changes](#)
- ◆ [Server version 6.1 changes](#)
- ◆ [Server version 6.0 changes](#)

Server version 6.3 changes

- ◆ [Announcements](#)
- ◆ [New Features](#)
- ◆ [New Ports](#)
- ◆ [Updated Features](#)
- ◆ [Bug Fixes](#)
- ◆ [Removed Features](#)

Announcements

The following platforms and databases are scheduled to be retired in Server 2019 (7.0). Contact your Rogue Wave account manager or Rogue Wave support if you have any questions.

Windows

- ◆ Windows 7, MSVS 2010, x86/x64
- ◆ Windows 8, MSVS 2010, x86/x64
- ◆ Windows 8.1, MSVS 2010, x86/x64
- ◆ Server 2008, MSVS 2010, x86/x64
- ◆ Windows 7, MSVS 2012, x86/x64
- ◆ Windows 8, MSVS 2012, x86/x64
- ◆ Windows 8.1, MSVS 2012, x86/x64
- ◆ Server 2008, MSVS 2012, x86/x64

Linux

- ◆ RHEL 5, x86/x64
- ◆ SUSE 10, x86/x64

UNIX

- ◆ Solaris 10, Sun Studio 11, x86/x64
- ◆ Solaris 11, Sun Studio 11, x86/x64
- ◆ Solaris 11, Sun Studio 11, x86/x64
- ◆ Solaris 10, Sun Studio 11, SPARC
- ◆ Solaris 11, Sun Studio 11, SPARC
- ◆ Solaris 11, Sun Studio 12, SPARC
- ◆ HP-UX 11.23, aCC 6.17, Itanium
- ◆ HP-UX 11.i, aCC 3.77, PA Risc
- ◆ HP-UX 11.i v3, aCC 3.77, PA Risc
- ◆ AIX 6.1, xLC 10.1, PowerPC

New Features

.NET Component Library

Server now provides a component library for the .NET platforms that allows you to create a client application within the .NET platform.

The assemblies are available in the `lib/dotnet` directory:

- ◆ `RW.Server.Component.dll` is the component assembly that handles representation objects and component connections.
- ◆ `RW.Server.Tcp.dll` implements the MvTCP communication protocol.

A sample is provided in `demo/network7/dotnetcomponent` and the `RW.Server.Component.MvOptions` class documentation explains the possible client options and how to set them.

The `RW.Server.Component.Mapping` class allows you to define how the names of the view representation objects (in `.ils` files) are mapped to actual .NET classes.

Once options and mappings are properly defined, initialize the communication layer with `RW.Server.Tcp.MvProcess.Initialize()` then connect the client to a server with `RW.Server.Component.MvComponent.Connect()`.

New Ports

No new ports have been added for this release.

Updated Features

- ◆ [API Updates](#)
- ◆ [Port Updates](#)
- ◆ [Other Updates](#)

API Updates

No API updates for this release.

Port Updates

No ports were updated for this release.

Other Updates

No other updates were performed for this release.

Bug Fixes

No bugs were fixed for this release.

Removed Features

No features have been removed for this release.

Server version 6.2.1 changes

Rogue Wave Server 6.2.1 is entirely compatible with version 6.2, both in source and binary. You can deploy the Rogue Wave Server 6.2.1 libraries beside existing applications and will immediately benefit from the fixes included in this release, without having to recompile your applications.

Please review the changes in the following sections:

- ◆ [New Features](#)
 - ◆ [New Ports](#)
 - ◆ [Updated Features](#)
 - ◆ [Bug Fixes](#)
 - ◆ [Removed Features](#)
-

New Features

No new features have been added for this release.

New Ports

Microsoft Visual Studio 2017 is supported for both 32 and 64-bit architectures.

Updated Features

- ◆ [API Updates](#)
- ◆ [Port Updates](#)
- ◆ [Other Updates](#)

API Updates

The API was not updated for this release.

Port Updates

Rogue Wave Server 6.2.1 provides support for Visual Studio 2017, both in 32 and 64-bits. The names of these new ports are `x86_.net2017_15.0` for the 32-bit version and `x64_.net2017_15.0` for the 64-bit version.

IMPORTANT: In the next major release of Rogue Wave Server the following platforms will be dropped. If you have any questions or concerns, contact your Rogue Wave Account Manager or Rogue Wave support.

- ◆ Windows 7
- ◆ Windows Server 2008
- ◆ Visual Studio 2010 and 2012 dropped from Windows platforms
- ◆ Red Hat 5
- ◆ SUSE 10
- ◆ HP-UX/ PA RISC
- ◆ Sun Studio 11 will be dropped from Solaris 10

Other Updates

No other updates were performed for this release.

Bug Fixes

The following bug fixes have been made:

- ◆ SERVER-1499: On Windows 7, copying `ILsmvUserType` objects may lead to a crash.
 - ◆ SERVER-1535: Server may crash when receiving corrupted messages.
 - ◆ SERVER-1556: Restarting a pending timer may crash the application.
 - ◆ SERVER-1613: Deadlock when using `InvokeNow` with timers.
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Removed Features

No features have been removed for this release.

Server version 6.2 changes

- ◆ [New Features](#)
 - ◆ [New Ports](#)
 - ◆ [Updated Features](#)
 - ◆ [Bug Fixes](#)
 - ◆ [Removed Features](#)
-

New Features

No new features have been added for this release.

New Ports

Rogue Wave Server 6.2 is officially supported on Windows Server 2012.

Updated Features

- ◆ [API Updates](#)
- ◆ [Port Updates](#)
- ◆ [Other Updates](#)

API Updates

The API was not updated for this release.

Port Updates

No ports were updated for this release.

Other Updates

No other updates were performed for this release.

Bug Fixes

The following bug fixes have been made:

- ◆ SERVER-1206: Makes Server applications more robust against intrusions.
 - ◆ SERVER-1335: Deleting an `ILSMvValue` with a user type may lead to undefined behavior.
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Removed Features

No features have been removed.

Server version 6.1 changes

- ◆ [New Features](#)
 - ◆ [Updated Features](#)
 - ◆ [Removed Features](#)
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New Features

ILS XML Schema

The ILS language DTD was removed from the product and replaced by an equivalent and complete XML Schema. See `ILSHOME/data/ils.xsd`.

The XML namespace URI was updated to `'http://www.roguewave.com/schemas/server/1.0'`, but backward compatibility was kept so you can still load your legacy XML files that hold ILS content.

Updated Features

- ◆ [API Updates](#)
- ◆ [Port Updates](#)
- ◆ [Other Updates](#)

API Updates

No API updates have been made for Rogue Wave Server V6.1.

Port Updates

This section describes new or retired ports for Rogue Wave Server V6.1.

New Ports

No new ports have been added.

Retired Ports

No ports have been retired.

Other Updates

Rogue Wave Server V6.1 also includes the following updates.

Forcing the Protocol Version

The protocol version of Server has been updated to version 6100 in order to improve 64-bit support.

To use another protocol version on C++ servers or C++ or Java clients:

- ◆ C++ Servers or Clients
 - Set the environment variable `ILS_PROTOCOL_VERSION`.
 - Use the command line option `-ilsprotocol_version <version>`.
- ◆ Java Clients
 - Set the JVM option `ilog.server.protocol.version`.
 - Use the command line option `-ilsprotocol_version <version>`.
 - Set the applet parameter `ilog.server.protocol.version`.

JViews Mapping

This version of Server has been compiled and tested with JViews 8.10.

Removed Features

No features have been removed.

Server version 6.0 changes

- ◆ [New Features](#)
 - ◆ [Updated Features](#)
 - ◆ [Removed Features](#)
-

New Features

There are no new features in this release.

Updated Features

This release of Server adds support for:

- ◆ Microsoft Visual Studio 2015: `x64_.net2015_14.0` and `x86_.net2015_14.0`

Retired Support

No port have been retired.

Removed Features

All ports over Solaris 10, SPARC or Intel architecture, with compiler Sun Studio 11 are deprecated. Future releases will only support Solaris 11 with compiler Sun Studio 12.3.

The Microsoft Visual Studio 2010 ports (`x86_.net2010_10.0` and `x64_.net2010_10.0`) are deprecated.

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