



Third-party Software in Connex DDS – Core Libraries & Utilities, Connex Micro, and build infrastructure

This document outlines Real-Time Innovations’ (RTI) usage of third-party open source software in the RTI Connex DDS Core Libraries and Utilities. This product was previously known by the following names: NDDS, RTI DDS, and RTI Data Distribution Service. This document also applies to the RTI Connex Messaging product.

Table of Contents

- Third-Party Software included in Connex DDS Core and/or Connex DDS Micro Libraries..... 2**
- Apache Log4j 2 2
- crc32c.c 2
- Expat 2
- fnmatch 3
- inet_pton4, inet_pton6 4
- List.cs file from .NET Core 3.1 4
- LZ4 4
- ZLIB..... 5
- BZIP2..... 6
- MiGBase64 6
- MD5 7
- utf8proc 7
- json-parser 8
- Boost 9
- pybind11..... 9
- Third-Party Software generators whose output is included in Connex DDS Core libraries..... 10**
- Bison 10
- Flex 11
- JavaCC 11
- Third-Party Software generators whose output is not included in Connex DDS Core libraries, but the output is shipped with the Connex software bundle..... 12**
- Doxygen 12
- Sphinx 12
- MadCap Flare 12
- Texlive 12
- TeX Live licensing, copying, and redistribution 13
- Third-Party Software used by the RTIDDSGEN code-generation utility..... 13**
- ANTLR 13
- Apache Commons Lang..... 14
- Apache Log4j 2 14
- Apache Velocity 14



AdoptOpenJDK JRE.....	14
Third-Party Software used by RTI Connector.....	47
Lua	47
json-parser	47
Third-Party Software Used by RTI ConnexT TSS.....	48
utHash	48
Appendix – Open Source Software Licenses	49
Apache License version 2.0, January 2004 (http://www.apache.org/licenses/).....	49
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GNU GENERAL PUBLIC LICENSE Version 2, June 1991	53

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Apache Log4j 2

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- Source: <https://logging.apache.org/log4j/2.x/license.html>
- Version: 2.17.1
- License: The Apache Software License, Version 2.0
See Appendix

crc32c.c

- Related to: ConnexT Micro 3.1 and 2.4.14 and ConnexT Micro Cert 2.4.12.1
- Version 1.1
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Expat

- Related to: XML configuration
- Software is included in the core middleware libraries.



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- Release 2.4.8
- <https://github.com/libexpat/libexpat>
- License

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fnmatch

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inet_pton4, inet_pton6

- Related to: network addressing
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List.cs file from .NET Core 3.1

- Related to:
This is a source file taken from the .NET open source repository and adapted to be compiled into RTI core middleware libraries.
- <https://github.com/dotnet/runtime/blob/8593a477fb8f41029f9d7963658922b8d504c76e/src/libraries/System.Private.CoreLib/src/System/Collections/Generic/List.cs>
- License
The MIT License. See Appendix

LZ4

- Related to: Compression feature added in Connex 6.1.0 . LZ4 is a library for compression and will be part of our Connex DDS Professional, so any other product that contains our libraries would also contain the LZ4 libraries.
- Software is included in the core middleware libraries.
- Release 1.9.3
- <https://github.com/lz4/lz4>
- License:

<https://raw.githubusercontent.com/lz4/lz4/dev/lib/LICENSE>

LZ4 Library

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ZLIB

- Related to: Compression feature added in Connex 6.1.0, and TypeObject compression
- Software is included in the core middleware libraries.
- Release 1.2.12
- <http://zlib.net/>
- License: http://zlib.net/zlib_license.html

zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.12, March 27th, 2022

(C) 1995-2022 Jean-loup Gailly and Mark Adler

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BZIP2

- Related to: Compression feature added in Connex 6.1.0, and TypeObject compression
- Software is included in the core middleware libraries.
- Release 1.0.8
- <https://www.sourceware.org/bzip2/manual/manual.html>
- License

Version 1.0.8 of 13 July 2019
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MiGBase64

- Related to: RTI Connex Java support for mechanism for loading certificates from a keystore, and not just a file for the TLS/DTLS transports



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@version 2.2
@author Mikael Grev
Date: 2004-aug-02
Time: 11:31:11

MD5

- Related to: DDS keys implementation, content-filtered topics (to sign the filter), persistence service (to generate writer-side unique identification)
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ghost@aladdin.com

utf8proc

- Related to: Content-filtered topics, query conditions, and multichannel.
- <https://github.com/JuliaStrings/utf8proc>
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- License: MIT license. See Appendix.
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json-parser

- Related to: DynamicData and Real-Time WAN Transport Configuration in Core Libraries. Connector also uses the API exposed by the Core Libraries.
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- <https://github.com/json-parser/json-parser/blob/master/LICENSE>
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* <https://github.com/udp/json-parser>

*

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Boost

- Related to: Modern C++ API
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pybind11

- Related to: RTI Connex DDS Python API (Experimental)
- <https://pybind11.readthedocs.io/en/stable/#license>

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- Related to: Content-filtered topics feature in C.
- Version 3.7.6
- License:

```
/* A Bison parser, made by GNU Bison 3.7.6. */
```

```
/* Bison interface for Yacc-like parsers in C
```

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```
/* As a special exception, you may create a larger work that contains
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parser generator using the skeleton or a modified version thereof
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Bison output files to be licensed under the GNU General Public
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```

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- Related to: Content-filtered topics feature in C.
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- Version: 2.6.4
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License: BSD
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MadCap Flare

- Related to: RTI uses Flare to generate documentation for RTI Connex DDS. The software is not included in the RTI libraries or distribution.
- Version: 14
- <https://www.madcapsoftware.com/>

Texlive

- Related to: RTI uses the Texlive Tex system to generate RTI Connex documentation. The software is not included in the RTI Libraries or distribution.
- Version: 2019



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- Installing
- Contributing
- Sponsoring
- Developers' Guide
- Vulnerabilities
- Mailing lists
- IRC · Wiki
- Bylaws · Census
- Legal
- **JEP Process**
- **Source code**
- Mercurial
- GitHub
- **Groups**
- (overview)
- 2D Graphics
- Adoption
- AWT
- Build
- Compatibility & Specification Review
- Compiler
- Conformance
- Core Libraries
- Governing Board
- HotSpot
- IDE Tooling & Support
- Internationalization
- JMX
- Members
- Networking
- Porters
- Quality
- Security
- Serviceability
- Sound
- Swing
- Vulnerability
- Web
- **Projects**
- (overview)
- Amber
- Annotations Pipeline 2.0
- Audio Engine
- Build Infrastructure
- Caciocavallo
- Closures
- Code Tools
- Coin
- Common VM Interface
- Compiler Grammar
- Detroit



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- Developers' Guide
- Device I/O
- Duke
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- Framebuffer Toolkit
- Graal
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- HarfBuzz Integration
- IcedTea
- JDK 6
- JDK 7
- JDK 7 Updates
- JDK 8
- JDK 8 Updates
- JDK 9
- JDK (... 15, 16, 17)
- JDK Updates
- JavaDoc.Next
- Jigsaw
- Kona
- Kulla
- Lambda
- Lanai
- Locale Enhancement
- Loom
- Memory Model Update
- Metropolis
- Mission Control
- Modules
- Multi-Language VM
- Nashorn
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- Port: AArch64
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H. musl

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