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The security features of this product include software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.openssl.org/).

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Chapter 1 Supported Platforms

This release of RTI® TLS Support is supported on the platforms in Table 1.1 Supported Platforms. For details on these platforms, see the RTI Connext DDS Core Libraries Platform Notes.

Table 1.1 Supported Platforms

<table>
<thead>
<tr>
<th>Operating System</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>Android®</td>
<td>All Android platforms listed in the RTI Connext® DDS Core Libraries Release Notes for the same version number.</td>
</tr>
<tr>
<td>iOS®</td>
<td>All iOS platforms listed in the RTI Connext DDS Core Libraries Release Notes for the same version number.</td>
</tr>
<tr>
<td>Linux®</td>
<td>All Linux platforms in the RTI Connext DDS Core Libraries Release Notes for the same version number, except SUSE® Linux Enterprise Server 11 and 12.</td>
</tr>
<tr>
<td>macOS®</td>
<td>All macOS platforms listed in the RTI Connext DDS Core Libraries Release Notes for the same version number.</td>
</tr>
<tr>
<td>QNX®</td>
<td>All QNX Neutrino® 6.5 and higher platforms listed in the RTI Connext DDS Core Libraries Release Notes for the same version number.</td>
</tr>
<tr>
<td>Windows®</td>
<td>All Windows platforms listed in the RTI Connext DDS Core Libraries Release Notes for the same version number.</td>
</tr>
</tbody>
</table>

TLS Support is also supported on the platforms in Table 1.2 Custom Supported Platforms; these are target platforms for which RTI offers custom support. If you are interested in these platforms, please contact your local RTI representative or email sales@rti.com.
### Table 1.2 Custom Supported Platforms

<table>
<thead>
<tr>
<th>Operating System</th>
<th>Version</th>
</tr>
</thead>
</table>
| Linux            | Debian® 7 (Arm v7)  
|                  | RedHawk™ Linux 6.5 (x86 and x64)  
|                  | Wind River® Linux 8 (PPC e6500 and Arm v7)  
|                  | Yocto Project® 2.5 (Arm v7) |
| QNX              | QNX Neutrino 6.6 (x86 and Arm v7) |
Chapter 2 Compatibility

TLS Support is designed for use with the TCP transport that is included with RTI Connext DDS. If you choose to use TLS Support, it must be installed on top of an existing TLS Support installation with the same version number. It can only be used on architectures that support the TCP transport (see the RTI Connext DDS Core Libraries Platform Notes).

TLS Support 6.0.1 is API-compatible with OpenSSL® versions 1.1.0a through 1.1.1d. It is not API-compatible with previous versions to OpenSSL® 1.1.0a. Note that TLS Support 6.0.1 has only been tested by RTI using OpenSSL 1.1.1d. If you need TLS Support 6.0.1 to run against older versions of OpenSSL®, please contact support@rti.com.

If you are upgrading from OpenSSL 1.0.1 to OpenSSL 1.0.2 or above: The number of bits of any Diffie-Hellman (DH) parameters must now be at least 1024 (see https://www.openssl.org/blog/blog/2015/05/20/logjam-freak-upcoming-changes/). Therefore, if you are using the property tls.cipher.dh_param_files and there is a DH parameter file that has fewer than 1024 bits, you must regenerate the file with at least 1024 bits.

For backward compatibility information between 6.0.1 and previous releases, see the Migration Guide on the RTI Community Portal (https://community.rti.com/documentation).
Chapter 3 What's New in 6.0.1

3.1 Added platforms

This release adds support for these platforms:

- Android 9 (Arm v7, Arm v8 64-bit)
- macOS 10.14 (x64)
- Red Hat Enterprise Linux 8 (x64)
- Wind River Linux 8 (PPC e6500) (Custom-supported target platform. Contact your RTI sales representative or sales@rti.com for more information.)
- Windows 10 (x86, x64) with Visual Studio® 2019
- Windows Server 2016 (x86, x64) with Visual Studio 2019
- Yocto Project 2.5 (Arm v7) (Custom-supported target platform. Contact your RTI sales representative or sales@rti.com for more information.)

3.2 Removed platforms

These platforms are no longer supported:

- macOS 10.11
- Windows 7
- Windows Server 2008 R2

3.3 Updated OpenSSL Version

This release uses OpenSSL 1.1.1d (instead of 1.0.2o).
Chapter 4 Previous Release

4.1 What's New in 6.0.0

4.1.1 New Platforms

This release adds support for the following platforms.

<table>
<thead>
<tr>
<th>Operating System</th>
<th>CPU</th>
<th>Compiler</th>
<th>RTI Architecture Abbreviation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ubuntu 18.04 LTS</td>
<td>x64</td>
<td>gcc 7.3.0</td>
<td>x64Linux4gcc7.3.0</td>
</tr>
<tr>
<td>Wind River Linux 8</td>
<td>Arm v7</td>
<td>gcc 5.2.0</td>
<td>armv7aWRLinux8gcc5.2.0 (custom target platform)</td>
</tr>
</tbody>
</table>

See the RTI Connext DDS Core Libraries Platform Notes for details.

4.1.2 Updated OpenSSL Version

This release uses OpenSSL 1.0.2o (instead of 1.0.2n).
Chapter 5 Third-Party Licenses

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