

# CTE▷7.3.0-3rdparty▷ Notices File

Phase: In Development | Distribution: External

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librdkafka - the Apache Kafka C/C++ client library 1.0.2

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libarchive 3.3.2, librdkafka - the Apache Kafka C/C++ client library 1.9.2, libuuid 2.32.1

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libevent 2.1.12-stable

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cpprestsdk 2.10.9, librdkafka - the Apache Kafka C/C++ client library 1.9.2, zlib 1.2.12

```
The zlib/libpng License
```

```
=====
```

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misrepresented as being the original software.

3. This notice may not be removed or altered from any source distribution.

| Component                                | Version                    | Linking                           | Description  |
|--|----------------------------|-----------------------------------|--|
| Crypto++                                 | 8.6.0                      | dynamic                           | Used for "N of M" key backup   |
| gSOAP                                    | 2.8.74                     | static for toolkit generated code | The gSOAP tools are designed to simplify the development and deployment of SOAP/XML Web services applications in C++.  |
| Microsoft Compiler Generated Code        | NA                         | Static                            | Some people are concerned about the use of Microsoft compiler generated code within a commercial product due to the somewhat restrictive nature of some versions of some Microsoft products. For completeness, we specify the components that are automatically generated and show how the appropriate licenses allow the distribution of such code. Note that this amounts to a very small number of lines of |
| Microsoft DLLs                           | Visual C++ version 8 and 9 | dynamic                           | Various DLLs shipped with the Windows PEM  |
| Files for ARIA Encryption and Decryption | NA                         | Static                            | RFC 5794. ARIA is a block cipher designed in 2003 by a large group of South Korean researchers. In 2004, the Korean Agency for Technology and Standards selected it as a standard cryptographic technique.   |
| Hadoop-common                            | 2.6, 2.7.0, 3.0, 3.1       | dynamic                           | The common utilities that support the other Hadoop modules.  |
| Hadoop-hdfs                              | 2.7.1 & 3.1                | dynamic                           | Hadoop distributed file system   |

### 3rd Party Components - VTD Linux/Windows 6.2.1 v1

|                                |               |         |  |
|--------------------------------|---------------|---------|--|
| Libhdfs                        | 2.7           | dynamic | for agent to communicate with HDFS   |
| javaassist                     | 3.20.0        |         |  |
| OpenSSL                        | 1.1.1q        | dynamic | Collection of encryption/decryption functions, secure communications libraries       |
| libcurl                        | 7.84.0        | static  | A free, open source client to get documents/files from servers, using any of         |
| libxml2 XML parser and toolkit | 2.9.14        | static  | XML C parser and toolkit used for parsing XML sent from the security server to the   |
| OpenLDAP                       | 2.6.3         | static  | Open Source implementation of the Lightweight Directory Access Protocol              |
| Jansson                        | 2.10          | static  | json library used by agent to talk to/from docker daemon                             |
| Libarchive                     | 3.3.2         | static  | used to read and write tar files by the agent - they are the image files used by the |
| Zlib                           | 1.2.12        |         |  |
| Squid                          | 4.17          |         |  |
| libecap                        | 1.0.1         |         |  |
| c-icap                         | 0.3.4         |         |  |
| Boost C++ libraries            | 1.69.0        |         |  |
| CURL                           | 7.84.0        |         |  |
| Log4cpp                        | NA            |         |  |
| libtirpc                       | 1.2.6         |         |  |
| libnsl                         | 1.3.0         |         |  |
| AWS SDK for Python (Boto3)     | NA            |         |  |
| AWS SDK Cpp                    | 1.3.54        |         |  |
| Microsoft C++ REST SDK         | NA            |         |  |
| Microsoft Detours              |               |         |  |
| Casablanca C++ REST SDK        | 2.10.9        |         |  |
| jemalloc                       | 3.6.0         |         |  |
| libevent                       | 2.1.12-stable |         |  |
| librdkafka                     | 1.9.2         |         |  |
| libuuid                        | 2.32.1        |         |  |
| musl                           | 1.2.3         |         |  |

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3rd Party Components - VTD Linux/Windows 6.2.1 v1

|          |        |  |  |
|----------|--------|--|--|
| protobuf | 3.14.0 |  |  |
| Redis    | 3.0.7  |  |  |

## Third Party Components for CTE v7.2

| Product information (Product Web page)  | License Type                                    | License Info  | Server/Agent   |
|---|---|---|--|
| <a href="http://www.cryptopp.com/">http://www.cryptopp.com/</a>   | Boost License                                   | <a href="https://cryptopp.com/License.txt">https://cryptopp.com/License.txt</a>   | server   |
| <a href="http://www.genivia.com/Products/gsoap/">http://www.genivia.com/Products/gsoap/</a>                                 | Custom license, we are using commercial license | See attached file "Genivia, Inc - Commercial Use.pdf" for the executed ..   | server and all agents (file, db2, IDS, RAW, key agent) |
| Visual Studio 2005/2008 Professional Edition  | Proprietary                                     | "MicrosoftProdu[1]...(English)(Oct05).doc"<br>"MicrosoftProductUseRights(Worldwide)(English)(January2008)(CR).doc"  | Agents   |
| <a href="http://msdn.microsoft.com/en-us/library/ms235299.aspx">http://msdn.microsoft.com/en-us/library/ms235299.aspx</a>   | Proprietary                                     | Refer to the following URL<br><a href="https://msdn.microsoft.com/en-us/library/8kche8ah(v=vs.80).aspx">https://msdn.microsoft.com/en-us/library/8kche8ah(v=vs.80).aspx</a><br><br><a href="https://msdn.microsoft.com/en-us/library/8kche8ah(v=vs.90).aspx">https://msdn.microsoft.com/en-us/library/8kche8ah(v=vs.90).aspx</a><br><br><a href="https://msdn.microsoft.com/en-us/library/8kche8ah(v=vs.100).aspx">https://msdn.microsoft.com/en-us/library/8kche8ah(v=vs.100).aspx</a> | Windows agent  |
| <a href="http://www.rfc-editor.org/rfc/rfc5794.txt">http://www.rfc-editor.org/rfc/rfc5794.txt</a>                           | Simplified BSD License                          | See the attached files "IETF Trust License Policy.pdf" and "ARIA notes.docx"  | Agent  |
| <a href="https://hadoop.apache.org/">https://hadoop.apache.org/</a>   | Apache 2.0                                      | See the attached file "apache_2.0.txt"  | server   |
| <a href="https://hadoop.apache.org/docs/r1.2.1/hdfs_design.html">https://hadoop.apache.org/docs/r1.2.1/hdfs_design.html</a> | Apache 2.0                                      | See the attached file "apache_2.0.txt"  | server   |

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3rd Party Components - VTD Linux/Windows 6.2.1 v1

|   |   |   |  |
|---|---|---|--|
| <a href="https://hadoop.apache.org/docs/r1.2.1/libhdfs.html">https://hadoop.apache.org/docs/r1.2.1/libhdfs.html</a> | Apache 2.0                              | See the attached file "apache_2.0.txt"  | agent                                  |
| <a href="http://www.openssl.org/">http://www.openssl.org/</a>   | OpenSSL License                         | see attached file "OpenSSL Source License. pdf"   | server and all agents (VTE, VAE agent) |
| <a href="http://www.libcurl.org/">http://www.libcurl.org/</a>   | Custom license / BSD style              | See the attached file "lib_curl.txt"  | agent                                  |
| <a href="http://www.xmlsoft.org/">http://www.xmlsoft.org/</a>   | MIT License                             | See the attached file "mit.txt"   | agent                                  |
| <a href="http://www.openldap.org/">http://www.openldap.org/</a>   | Public license                          | See the attached file "OpenLDAP, Public License 2.4"  | agent                                  |
| <a href="https://jansson.readthedocs.io/en/2.7/">https://jansson.readthedocs.io/en/2.7/</a>                         | MIT License                             | See the attached file "mit.txt"   | agent                                  |
| <a href="http://libarchive.org">http://libarchive.org</a>   | New BSD License                         | See the attached file "NewBSD.txt"  | agent                                  |
| <a href="https://zlib.net/zlib_license.html">https://zlib.net/zlib_license.html</a>                                 | Free software                           |   |  |
| <a href="https://wiki.squid-cache.org/SquidFaq/AboutSquid">https://wiki.squid-cache.org/SquidFaq/AboutSquid</a>     | GPLv2                                   | <a href="https://wiki.squid-cache.org/SquidFaq/AboutSquid">https://wiki.squid-cache.org/SquidFaq/AboutSquid</a>                               |  |
|   | Simplified BSD License                  | See attached file libcap-LICENSE  |  |
|   | GPLv2 LGPLv2                            | <a href="https://sourceforge.net/projects/c-icap/">https://sourceforge.net/projects/c-icap/</a>   |  |
|   | Boost Software License                  | <a href="https://www.boost.org/users/license.html">https://www.boost.org/users/license.html</a>   |  |
|   | Custom curl license                     | <a href="https://curl.haxx.se/docs/copyright.html">https://curl.haxx.se/docs/copyright.html</a>   |  |
|   | LGPLv2.1                                | <a href="http://log4cpp.sourceforge.net/#license">http://log4cpp.sourceforge.net/#license</a>   |  |
|   | MIT license                             | <a href="https://github.com/amylum/libtirpc/blob/master/LICENSE">https://github.com/amylum/libtirpc/blob/master/LICENSE</a>                   |  |
|   | LGPL v2.1                               | <a href="https://github.com/thkukuk/libnsl/blob/master/COPYING">https://github.com/thkukuk/libnsl/blob/master/COPYING</a>                     |  |
|   | Apache license 2.0                      | <a href="https://github.com/boto/boto3/blob/develop/LICENSE">https://github.com/boto/boto3/blob/develop/LICENSE</a>                           |  |
|   | Apache license 2.0                      | <a href="https://github.com/aws/aws-sdk-cpp/blob/master/LICENSE">https://github.com/aws/aws-sdk-cpp/blob/master/LICENSE</a>                   |  |
|   | MIT license                             | <a href="https://github.com/microsoft/cpprestsdk/blob/master/license.txt">https://github.com/microsoft/cpprestsdk/blob/master/license.txt</a> |  |
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3rd Party Components - VTD Linux/Windows 6.2.1 v1

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**Notes**

Crypto++ is a C++ library that contains many different cryptographic functions.

We do not use mars.cpp which is licenses under terms that are different than the terms listed in the attached license. For the other files that are explicitly listed in the license text, the only file we use is rijndael.cpp. No element of the mars.cpp code is included in the build.

All files that we use are covered by the license text and have been written by Wei Dai. The two files that are not his direct work are rijndael.cpp and rijndael.h. The original work is covered by the additional license file "rijndael.txt".

We only use the code from Crypto++ that implements Shamir's Secret Sharing algorithm - this is not covered by patents.

The only code that we use and/or distribute is: i) files licensed pursuant to the document crypto\_license that were authored by Wei Dai and (ii) two files (rijndael.cpp and rijndael.h) that are licensed pursuant to the document rijndael.txt.

With respect to patents that cover Shamir's Secret Sharing algorithm, we have searched <http://www.patentstorm.us> ,

<http://www.google.com/patents> and the general web extensively and see no reference to any patents covering this algorithm. We believe that Wei Dai's reference to patents is (potentially) for the files implementing algorithms that he did not personally author.

We conform to the terms of the license.

The specific language is found on

- page 10 of the Microsoft Licensing Product Use Rights document dated October 2005 or
- page 18 of the Microsoft Licensing Product Use Rights document dated October 2008 or
- page 12 of the Microsoft Licensing Product Use Rights document dated July 2015. It states: additional license terms for Products in the Developer Tools Section of these Product Use Rights.

The software may also contain the following Distributable Code.

o MFCs, ATLs and CRTs. Modify the source code form of Microsoft Foundation Classes (MFCs), Active Template Libraries (ATLs), and C runtimes (CRTs) to design, develop and test your programs, and copy and distribute the object code form of your modified files under a new name;

Visual Studio makes these DLLs listed in the URLs available as redistributable libraries that you can include in your application installer.

We implemented ARIA encryption based on the specification of RFC5794.

None

None





# AIX Open Source Compliance for CTE

## 7.2.0

### Section 1: Listing of open source components used by the partner's product

Please answer the questions below.

- The Thales CipherTrust Transparent Encryption product is available as a AIX kernel binary executable file.
- List the libraries not included in the normal base image that you want to use with this image. List every library that does not come in the standard OS in a table, with a column which links to the license text on the web, and another that classifies the license type.



|  |                               |  |   |
|--|-------------------------------|--|---|
| gSOAP 2.8.74                             | Custom license,               | See attached file "GenivialncCommercialUse.pdf" for the executed license   | We conform to the terms of the license. |
| Files for ARIA Encryption and Decryption | <i>Simplified BSD License</i> | See the attached files <ul style="list-style-type: none"> <li>• "IETF Trust License Policy.pdf"</li> <li>• "ARIA notes.rtf"</li> </ul>                 |   |
| OpenSSL 1.1.1f                           | OpenSSL License               | <a href="http://www.openssl.org/source/license.html">http://www.openssl.org/source/license.html</a> or see attached file "Open SSL Source License.pdf" |   |
| libcurl 7.79.1                           | Custom license / BSD-style    | See the attached file "lib_curl.txt"   |   |
| libxml2 2.9.10 XML parser and toolkit    | <i>MIT License</i>            | See the attached file "libxml_mit.txt"   |   |
| OpenLDAP 2.4.55                          | <i>Public License 2.4.33</i>  | See the attached file "OpenLDAP, Public License for 2.4"   |   |
| Jansson 2.10                             | MIT License                   | <a href="https://opensource.org/licenses/mit-license.php">https://opensource.org/licenses/mit-license.php</a>  |   |
| Libarchive 3.3.2                         | New BSD License               | See the attached newBSD.doc  |   |
| Zlib 1.2.11                              | Free software                 | <a href="https://zlib.net/zlib_license.html">https://zlib.net/zlib_license.html</a>  |   |

|      |                     |   |  |
|------|---------------------|---|--|
| CURL | Custom curl license | <a href="https://curl.haxx.se/docs/copyright.html">https://curl.haxx.se/docs/copyright.html</a> |  |
|------|---------------------|---|--|

## Section 2: VM Image requirements <TBD>

(to be filled once the VM image is built)

1. Show us the directory path using which users can see the open source components' license text **WITHIN THE IMAGE**.
  - a. E.g. attach a screen shot of the parent directory
2. For components under GPL and LGPL, install source code and list the source code directory(ies) on the image

Thales does not distribute the source code for any of the open source components. Nor does it distribute the license text files.

# Linux Open Source Compliance for CTE 7.3.0

## Section 1: Listing of open source components used by the partner's product

Please answer the questions below.

- Is this a Docker image, a GCE image, or something else? The Vormetric Data Security Manager is offered as a Hardware Appliance or in the virtual machine OVA format. The Vormetric Transparent Encryption product is available as a Linux kernel binary executable file.
- List the libraries not included in the normal base image that you want to use with this image. List every library that does not come in the standard OS in a table, with a column which links to the license text on the web, and another that classifies the license type.

| Component    | License Type (Apache, MIT etc.) | License Link   |   |
|--------------|---------------------------------|--|---|
| gSOAP 2.8.74 | Custom license                  | See attached file "GenivialncCommercialUse.pdf" for the executed license | We conform to the terms of the license. |

|  |                           |  |  |
|--|---------------------------|--|--|
| <p>Microsoft Compiler Generated Code</p> | <p><i>Proprietary</i></p> | <p>See documents</p> <p>“MicrosoftProdu[1]...(English)(Oct05).doc”</p> <p>“MicrosoftProductUseRights(Worldwide)(English)(January2008)(CR)”</p> <p>“MicrosoftProductTerms(WW)(English)(July2015)(CR)”</p> | <p>The specific language is found on</p> <ul style="list-style-type: none"> <li>• page 10 of the Microsoft Licensing Product Use Rights document dated October 2005 or</li> <li>• page 18 of the Microsoft Licensing Product Use Rights document dated October 2008 or</li> <li>• page 12 of the Microsoft Licensing Product Use Rights document dated July 2015. It states: <u>additional license terms for Products in the Developer Tools Section of these Product Use Rights.</u></li> </ul> <p>The software may also contain the following Distributable Code.</p> <ul style="list-style-type: none"> <li>○ <u>MFCs, ATLS and CRTs.</u> Modify the source code form of Microsoft Foundation Classes (MFCs), Active Template Libraries (ATLs), and C runtimes (CRTs) to design, develop and test your programs, and copy and distribute the object code form of your modified files under a new name;</li> </ul> |
|--|---------------------------|--|--|

|  |                               |   |  |
|--|-------------------------------|---|--|
| Microsoft DLLs   | <i>Proprietary</i>            | <p>Refer to the following URL</p> <ul style="list-style-type: none"> <li>• <a href="https://msdn.microsoft.com/en-us/library/8kche8ah(v=vs.80).aspx">https://msdn.microsoft.com/en-us/library/8kche8ah(v=vs.80).aspx</a></li> <li>• <a href="https://msdn.microsoft.com/en-us/library/8kche8ah(v=vs.90).aspx">https://msdn.microsoft.com/en-us/library/8kche8ah(v=vs.90).aspx</a></li> <li>• <a href="https://msdn.microsoft.com/en-us/library/8kche8ah(v=vs.110).aspx">https://msdn.microsoft.com/en-us/library/8kche8ah(v=vs.110).aspx</a></li> </ul> | Visual Studio makes these DLLs listed in the URLs available as redistributable libraries that you can include in your application installer. |
| Files for ARIA Encryption and Decryption   | <i>Simplified BSD License</i> | <p>See the attached files</p> <ul style="list-style-type: none"> <li>• "IETF Trust License Policy.pdf"</li> <li>• "ARIA notes.rtf"</li> </ul>   |  |
| <ol style="list-style-type: none"> <li>1. Hadoop-common 2.6, 2.7.0 , 3.0, 3.1</li> <li>2. Hadoop-hdfs 2.7.1 and 3.1</li> <li>3. Libhdfs 2.7</li> <li>4. javaassist 3.20.0</li> </ol> | Apache 2.0                    | <p>See the attached file "apache_2.0.txt"</p>   | Not used   |

|                                       |                               |  |  |
|---------------------------------------|-------------------------------|--|--|
| OpenSSL 1.1.1q                        | OpenSSL License               | <a href="http://www.openssl.org/source/license.html">http://www.openssl.org/source/license.html</a> or see attached file "Open SSL Source License.pdf" |  |
| libcurl 7.84.0                        | Custom license / BSD-style    | See the attached file "lib_curl.txt"   |  |
| libxml2 2.9.14 XML parser and toolkit | MIT License                   | See the attached file "libxml_mit.txt"   |  |
| OpenLDAP 2.6.3                        | Open LDAP Public License v2.8 | <a href="https://spdx.org/licenses/OLDAP-2.8.html">https://spdx.org/licenses/OLDAP-2.8.html</a>  |  |
| Jansson 2.10                          | MIT License                   | <a href="https://opensource.org/licenses/mit-license.php">https://opensource.org/licenses/mit-license.php</a>  |  |
| Libarchive 3.3.2                      | New BSD License               | See the attached newBSD.doc  |  |
| Zlib 1.2.12                           | Free software                 | <a href="https://zlib.net/zlib_license.html">https://zlib.net/zlib_license.html</a>  |  |
| Squid 4.17                            | GPLv2                         | <a href="https://wiki.squid-cache.org/SquidFAQ/AboutSquid">https://wiki.squid-cache.org/SquidFAQ/AboutSquid</a>  |  |
| eCap 1.0.1                            | Simplified BSD License        | See attached file libecap-LICENSE  |  |
| c-icap 0.3.4                          | GPLv2 LGPLv2                  | <a href="https://sourceforge.net/projects/c-icap/">https://sourceforge.net/projects/c-icap/</a>  |  |
| Boost C++ libraries 1.69.0            | Boost Software License        | <a href="https://www.boost.org/users/license.html">https://www.boost.org/users/license.html</a>  |  |
| CURL 7.84.0                           | Custom curl license           | <a href="https://curl.haxx.se/docs/copyright.html">https://curl.haxx.se/docs/copyright.html</a>  |  |

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|                                |   |   |  |
|--------------------------------|---|---|--|
| Log4cpp                        | LGPLv2.1                                | <a href="http://log4cpp.sourceforge.net/#license">http://log4cpp.sourceforge.net/#license</a>   |  |
| Crypto++ 8.6.0                 | Boost License                           | <a href="https://cryptopp.com/License.txt">https://cryptopp.com/License.txt</a>   |  |
| libtirpc-1.2.6                 | MIT license                             | <a href="https://github.com/amyllum/libtirpc/blob/master/LICENSE">https://github.com/amyllum/libtirpc/blob/master/LICENSE</a>                 |  |
| libnsl-1.3.0                   | LGPL v2.1                               | <a href="https://github.com/thkukuk/libnsl/blob/master/COPYING">https://github.com/thkukuk/libnsl/blob/master/COPYING</a>                     |  |
| AWS SDK for Python (Boto3)     | Apache license 2.0                      | <a href="https://github.com/boto/boto3/blob/develop/LICENSE">https://github.com/boto/boto3/blob/develop/LICENSE</a>                           |  |
| AWS C++ SDK 1.3.54             | Apache license 2.0                      | <a href="https://github.com/aws/aws-sdk-cpp/blob/master/LICENSE">https://github.com/aws/aws-sdk-cpp/blob/master/LICENSE</a>                   |  |
| Microsoft C++ REST SDK         | MIT license                             | <a href="https://github.com/microsoft/cpprestsdk/blob/master/license.txt">https://github.com/microsoft/cpprestsdk/blob/master/license.txt</a> |  |
| Microsoft Detours              | MIT license                             | <a href="https://opensource.org/licenses/MIT">https://opensource.org/licenses/MIT</a>   |  |
| Casablanca C++ REST SDK 2.10.9 | MIT license                             | <a href="https://opensource.org/licenses/MIT">https://opensource.org/licenses/MIT</a>   |  |
| Jemalloc 3.6.0                 | BSD 3-clause "New" or "Revised" License | <a href="https://opensource.org/licenses/BSD-3-Clause">https://opensource.org/licenses/BSD-3-Clause</a>                                       |  |
| Libevent 2.1.12-stable         | BSD 3-clause "New" or "Revised" License | <a href="https://opensource.org/licenses/BSD-3-Clause">https://opensource.org/licenses/BSD-3-Clause</a>                                       |  |
| Librdkafka 1.9.2               | BSD 3-clause "New" or "Revised" License | <a href="https://opensource.org/licenses/BSD-3-Clause">https://opensource.org/licenses/BSD-3-Clause</a>                                       |  |

|                 |   |   |  |
|-----------------|---|---|--|
| Libuuid 2.32.1  | BSD 3-clause "New" or "Revised" License | <a href="https://opensource.org/licenses/BSD-3-Clause">https://opensource.org/licenses/BSD-3-Clause</a> |  |
| Musl 1.2.3      | MIT License                             | <a href="https://opensource.org/licenses/MIT">https://opensource.org/licenses/MIT</a>                   |  |
| Protobuf 3.14.0 | BSD 3-clause "New" or "Revised" License | <a href="https://opensource.org/licenses/BSD-3-Clause">https://opensource.org/licenses/BSD-3-Clause</a> |  |
| Redis 3.0.7     | BSD 3-clause "New" or "Revised" License | <a href="https://opensource.org/licenses/BSD-3-Clause">https://opensource.org/licenses/BSD-3-Clause</a> |  |

## Section 2: VM Image requirements <TBD>

(to be filled once the VM image is built)

1. Show us the directory path using which users can see the open source components' license text **WITHIN THE IMAGE**.
  - a. E.g. attach a screen shot of the parent directory
2. For components under GPL and LGPL, install source code and list the source code directory(ies) on the image

Vormetric does not distribute the source code for any of the open source components. Nor does it distribute the license text files.