



# Thermal-Flow OSS Copyright Notice

October 2025

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These exclusions and limitations of liability shall apply regardless if NVIDIA or its affiliates have been advised of the possibility of such damages, and regardless of whether a remedy fails its essential purpose. These exclusions and limitations of liability form an essential basis of the bargain between the parties, and, absent any of these exclusions or limitations of liability, the provisions of this Agreement, including, without limitation, the economic terms, would be

substantially different.

### 1.6. Termination

1. This Agreement will continue to apply until terminated by either you or NVIDIA as described below.
2. If you want to terminate this Agreement, you may do so by stopping to use the SDK.
3. NVIDIA may, at any time, terminate this Agreement if:
  - a. (i) you fail to comply with any term of this Agreement and the non-compliance is not fixed within thirty (30) days following notice from NVIDIA (or immediately if you violate NVIDIA's intellectual property rights);
  - b. (ii) you commence or participate in any legal proceeding against NVIDIA with respect to the SDK; or
  - c. (iii) NVIDIA decides to no longer provide the SDK in a country or, in NVIDIA's sole discretion, the continued use of it is no longer commercially viable.
4. Upon any termination of this Agreement, you agree to promptly discontinue use of the SDK and destroy all copies in your possession or control. Your prior distributions in accordance with this Agreement are not affected by the termination of this Agreement. Upon written request, you will certify in writing that you have complied with your commitments under this section. Upon any termination of this Agreement all provisions survive except for the license grant provisions.

### 1.7. General

If you wish to assign this Agreement or your rights and obligations, including by merger, consolidation, dissolution or operation of law, contact NVIDIA to ask for permission. Any attempted assignment not approved by NVIDIA in writing shall be void and of no effect. NVIDIA may assign, delegate or transfer this Agreement and its rights and obligations, and if to a non-affiliate you will be notified.

You agree to cooperate with NVIDIA and provide reasonably requested information to verify your compliance with this Agreement.

This Agreement will be governed in all respects by the laws of the United States and of the State of Delaware as those laws are applied to contracts entered into and performed entirely within Delaware by Delaware residents, without regard to the conflicts of laws principles. The United Nations Convention on Contracts for the International Sale of Goods is specifically disclaimed. You agree to all terms of this Agreement in the English language.

The state or federal courts residing in Santa Clara County, California shall have exclusive jurisdiction over any dispute or claim arising out of this Agreement. Notwithstanding this, you agree that NVIDIA shall still be allowed to apply for injunctive remedies or an equivalent type of urgent legal relief in any jurisdiction.

If any court of competent jurisdiction determines that any provision of this Agreement is illegal, invalid or unenforceable, such provision will be construed as limited to the extent necessary to be consistent with and fully enforceable under the law and the remaining provisions will remain in full force and effect. Unless otherwise specified, remedies are cumulative.

Each party acknowledges and agrees that the other is an independent contractor in the performance of this Agreement. The SDK has been developed entirely at private expense and is "commercial items" consisting of "commercial computer software" and "commercial computer software documentation" provided with RESTRICTED RIGHTS. Use, duplication or disclosure by the U.S. Government or a U.S. Government subcontractor is subject to the restrictions in this Agreement pursuant to DFARS 227.7202-3(a) or as set forth in subparagraphs (c)(1) and (2) of the Commercial Computer Software - Restricted Rights clause at FAR 52.227-19, as applicable. Contractor/manufacturer is NVIDIA, 2788 San Tomas Expressway, Santa Clara, CA 95051.

The SDK is subject to United States export laws and regulations. You agree that you will not ship, transfer or export the SDK into any country, or use the SDK in any manner, prohibited by the United States Bureau of Industry and Security or economic sanctions regulations administered by the U.S. Department of Treasury's Office of Foreign Assets Control (OFAC), or any applicable export laws, restrictions or regulations. These laws include restrictions on destinations, end users and end use. By accepting this Agreement, you confirm that you are not a resident or citizen of any country currently embargoed by the U.S. and that you are not otherwise prohibited from receiving the SDK.

Any notice delivered by NVIDIA to you under this Agreement will be delivered via mail, email or fax. You agree that any

notices that NVIDIA sends you electronically will satisfy any legal communication requirements. Please direct your legal notices or other correspondence to NVIDIA Corporation, 2788 San Tomas Expressway, Santa Clara, California 95051, United States of America, Attention: Legal Department.

This Agreement and any exhibits incorporated into this Agreement constitute the entire agreement of the parties with respect to the subject matter of this Agreement and supersede all prior negotiations or documentation exchanged between the parties relating to this SDK license. Any additional and/or conflicting terms on documents issued by you are null, void, and invalid. Any amendment or waiver under this Agreement shall be in writing and signed by representatives of both parties.

The terms in this supplement govern your use of the NVIDIA CUDA Toolkit SDK under the terms of your license agreement (“Agreement”) as modified by this supplement. Capitalized terms used but not defined below have the meaning assigned to them in the Agreement.

This supplement is an exhibit to the Agreement and is incorporated as an integral part of the Agreement. In the event of conflict between the terms in this supplement and the terms in the Agreement, the terms in this supplement govern.

### 2.1. License Scope

The SDK is licensed for you to develop applications only for use in systems with NVIDIA GPUs.

### 2.2. Distribution

The portions of the SDK that are distributable under the Agreement are listed in Attachment A.

### 2.3. Operating Systems

Those portions of the SDK designed exclusively for use on the Linux or FreeBSD operating systems, or other operating systems derived from the source code to these operating systems, may be copied and redistributed for use in accordance with this Agreement, provided that the object code files are not modified in any way (except for unzipping of compressed files).

### 2.4. Audio and Video Encoders and Decoders

You acknowledge and agree that it is your sole responsibility to obtain any additional third-party licenses required to make, have made, use, have used, sell, import, and offer for sale your products or services that include or incorporate any third-party software and content relating to audio and/or video encoders and decoders from, including but not limited to, Microsoft, Thomson, Fraunhofer IIS, Sisvel S.p.A., MPEG-LA, and Coding Technologies. NVIDIA does not grant to you under this Agreement any necessary patent or other rights with respect to any audio and/or video encoders and decoders.

### 2.5. Licensing

If the distribution terms in this Agreement are not suitable for your organization, or for any questions regarding this Agreement, please contact NVIDIA at [nvidia-compute-license-questions@nvidia.com](mailto:nvidia-compute-license-questions@nvidia.com).

### 2.6. Attachment A

The following CUDA Toolkit files may be distributed with Licensee Applications developed by you, including certain variations of these files that have version number or architecture specific information embedded in the file name - as an example only, for release version 9.0 of the 64-bit Windows software, the file `cuda64_90.dll` is redistributable.

Component	CUDA Runtime
Windows	<code>cuda64.dll</code> , <code>cuda64_static.lib</code> , <code>cuda64devrt.lib</code>
Mac OSX	<code>libcudart.dylib</code> , <code>libcudart_static.a</code> , <code>libcudadevrt.a</code>
Linux	<code>libcudart.so</code> , <code>libcudart_static.a</code> , <code>libcudadevrt.a</code>

Android	libcudart.so, libcudart_static.a, libcudadevrt.a
<b>Component</b>	<b>CUDA FFT Library</b>
Windows	cufft.dll, cufftw.dll, cufft.lib, cufftw.lib
Mac OSX	libcufft.dylib, libcufft_static.a, libcufftw.dylib, libcufftw_static.a
Linux	libcufft.so, libcufft_static.a, libcufftw.so, libcufftw_static.a
Android	libcufft.so, libcufft_static.a, libcufftw.so, libcufftw_static.a
<b>Component</b>	<b>CUDA BLAS Library</b>
Windows	cublas.dll, cublasLt.dll
Mac OSX	libcublas.dylib, libcublasLt.dylib, libcublas_static.a, libcublasLt_static.a
Linux	libcublas.so, libcublasLt.so, libcublas_static.a, libcublasLt_static.a
Android	libcublas.so, libcublasLt.so, libcublas_static.a, libcublasLt_static.a
<b>Component</b>	<b>NVIDIA "Drop-in" BLAS Library</b>
Windows	nvblas.dll
Mac OSX	libnvblas.dylib
Linux	libnvblas.so
<b>Component</b>	<b>CUDA Sparse Matrix Library</b>
Windows	cusparse.dll, cusparse.lib

Mac OSX	libcusparsed.dylib, libcusparsed_static.a
Linux	libcusparsed.so, libcusparsed_static.a
Android	libcusparsed.so, libcusparsed_static.a
<b>Component</b>	<b>CUDA Linear Solver Library</b>
Windows	cusolver.dll, cusolver.lib
Mac OSX	libcusolver.dylib, libcusolver_static.a
Linux	libcusolver.so, libcusolver_static.a
Android	libcusolver.so, libcusolver_static.a
<b>Component</b>	<b>CUDA Random Number Generation Library</b>
Windows	curand.dll, curand.lib
Mac OSX	libcurand.dylib, libcurand_static.a
Linux	libcurand.so, libcurand_static.a
Android	libcurand.so, libcurand_static.a
<b>Component</b>	<b>NVIDIA Performance Primitives Library</b>
Windows	nppc.dll, nppc.lib, nppial.dll, nppial.lib, nppicc.dll, nppicc.lib, nppicom.dll, nppicom.lib, nppidei.dll, nppidei.lib, nppif.dll, nppif.lib, nppig.dll, nppig.lib, nppim.dll, nppim.lib, nppist.dll, nppist.lib, nppisu.dll, nppisu.lib, nppitc.dll, nppitc.lib, npps.dll, npps.lib

Mac OSX	libnppc.dylib, libnppc_static.a, libnppial.dylib, libnppial_static.a, libnppicc.dylib, libnppicc_static.a, libnppicom.dylib, libnppicom_static.a, libnppidei.dylib, libnppidei_static.a, libnppif.dylib, libnppif_static.a, libnppig.dylib, libnppig_static.a, libnppim.dylib, libnppisu_static.a, libnppitc.dylib, libnppitc_static.a, libnpps.dylib, libnpps_static.a
Linux	libnppc.so, libnppc_static.a, libnppial.so, libnppial_static.a, libnppicc.so, libnppicc_static.a, libnppicom.so, libnppicom_static.a, libnppidei.so, libnppidei_static.a, libnppif.so, libnppif_static.a, libnppig.so, libnppig_static.a, libnppim.so, libnppim_static.a, libnppist.so, libnppist_static.a, libnppisu.so, libnppisu_static.a, libnppitc.so, libnppitc_static.a, libnpps.so, libnpps_static.a
Android	libnppc.so, libnppc_static.a, libnppial.so, libnppial_static.a, libnppicc.so, libnppicc_static.a, libnppicom.so, libnppicom_static.a, libnppidei.so, libnppidei_static.a, libnppif.so, libnppif_static.a, libnppig.so, libnppig_static.a, libnppim.so, libnppim_static.a, libnppist.so, libnppist_static.a, libnppisu.so, libnppisu_static.a, libnppitc.so, libnppitc_static.a, libnpps.so, libnpps_static.a
<b>Component</b>	<b>NVIDIA JPEG Library</b>
Windows	nvjpeg.lib, nvjpeg.dll
Linux	libnvjpeg.so, libnvjpeg_static.a
<b>Component</b>	<b>Internal common library required for statically linking to cuBLAS, cuSPARSE, cuFFT, cuRAND, nvJPEG and NPP</b>
Mac OSX	libculibos.a
Linux	libculibos.a
<b>Component</b>	<b>NVIDIA Runtime Compilation Library and Header</b>
All	nVRTC.h
Windows	nVRTC.dll, nVRTC-builtins.dll
Mac OSX	libnVRTC.dylib, libnVRTC-builtins.dylib
Linux	libnVRTC.so, libnVRTC-builtins.so

<b>Component</b>	<b>NVIDIA Optimizing Compiler Library</b>
Windows	nvvm.dll
Mac OSX	libnvvm.dylib
Linux	libnvvm.so
<b>Component</b>	<b>NVIDIA Common Device Math Functions Library</b>
Windows	libdevice.10.bc
Mac OSX	libdevice.10.bc
Linux	libdevice.10.bc
<b>Component</b>	<b>CUDA Occupancy Calculation Header Library</b>
All	cuda_occupancy.h
<b>Component</b>	<b>CUDA Half Precision Headers</b>
All	cuda_fp16.h, cuda_fp16.hpp
<b>Component</b>	<b>CUDA Profiling Tools Interface (CUPTI) Library</b>
Windows	cupti.dll
Mac OSX	libcupti.dylib
Linux	libcupti.so

<b>Component</b>	<b>NVIDIA Tools Extension Library</b>
Windows	nvToolsExt.dll, nvToolsExt.lib
Mac OSX	libnvToolsExt.dylib
Linux	libnvToolsExt.so
<b>Component</b>	<b>NVIDIA CUDA Driver Libraries</b>
Linux	libcuda.so, libnvidia-ptxjitcompiler.so
<b>Component</b>	<b>NVIDIA CUDA File IO Libraries and Header</b>
All	cufile.h
Linux	libcufile.so, libcufile_rdma.so, libcufile_static.a, libcufile_rdma_static.a

The NVIDIA CUDA Driver Libraries are only distributable in applications that meet this criteria:

1. The application was developed starting from a NVIDIA CUDA container obtained from Docker Hub or the NVIDIA GPU Cloud, and
2. The resulting application is packaged as a Docker container and distributed to users on Docker Hub or the NVIDIA GPU Cloud only.

In addition to the rights above, for parties that are developing software intended solely for use on Jetson development kits or Jetson modules, and running Linux for Tegra software, the following shall apply:

- The SDK may be distributed in its entirety, as provided by NVIDIA, and without separation of its components, for you and/or your licensees to create software development kits for use only on the Jetson platform and running Linux for Tegra software.

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## 16 CUDA – 12.4

This license agreement, including exhibits attached ("Agreement") is a legal agreement between you and NVIDIA Corporation ("NVIDIA") and governs your use of a NVIDIA software development kit ("SDK").

Each SDK has its own set of software and materials, but here is a description of the types of items that may be included in a SDK: source code, header files, APIs, data sets and assets (examples include images, textures, models, scenes, videos, native API input/output files), binary software, sample code, libraries, utility programs, programming code and documentation.

This Agreement can be accepted only by an adult of legal age of majority in the country in which the SDK is used.

If you are entering into this Agreement on behalf of a company or other legal entity, you represent that you have the legal authority to bind the entity to this Agreement, in which case "you" will mean the entity you represent.

If you don't have the required age or authority to accept this Agreement, or if you don't accept all the terms and conditions of this Agreement, do not download, install or use the SDK.

You agree to use the SDK only for purposes that are permitted by (a) this Agreement, and (b) any applicable law, regulation or generally accepted practices or guidelines in the relevant jurisdictions.

### 1.1. License

#### 1.1.1. License Grant

Subject to the terms of this Agreement, NVIDIA hereby grants you a non-exclusive, non-transferable license, without the right to sublicense (except as expressly provided in this Agreement) to:

1. Install and use the SDK,
2. Modify and create derivative works of sample source code delivered in the SDK, and
3. Distribute those portions of the SDK that are identified in this Agreement as distributable, as incorporated in object code format into a software application that meets the distribution requirements indicated in this Agreement.

#### 1.1.2. Distribution Requirements

These are the distribution requirements for you to exercise the distribution grant:

1. Your application must have material additional functionality, beyond the included portions of the SDK.
2. The distributable portions of the SDK shall only be accessed by your application.
3. The following notice shall be included in modifications and derivative works of sample source code distributed: "This software contains source code provided by NVIDIA Corporation."
4. Unless a developer tool is identified in this Agreement as distributable, it is delivered for your internal use only.
5. The terms under which you distribute your application must be consistent with the terms of this Agreement, including (without limitation) terms relating to the license grant and license restrictions and protection of NVIDIA's intellectual property rights. Additionally, you agree that you will protect the privacy, security and legal rights of your application users.
6. You agree to notify NVIDIA in writing of any known or suspected distribution or use of the SDK not in compliance with the requirements of this Agreement, and to enforce the terms of your agreements with respect to distributed SDK.

#### 1.1.3. Authorized Users

You may allow employees and contractors of your entity or of your subsidiary(ies) to access and use the SDK from your secure network to perform work on your behalf.

If you are an academic institution you may allow users enrolled or employed by the academic institution to access and use the SDK from your secure network.

You are responsible for the compliance with the terms of this Agreement by your authorized users. If you become aware

that your authorized users didn't follow the terms of this Agreement, you agree to take reasonable steps to resolve the non-compliance and prevent new occurrences.

#### **1.1.4. Pre-Release SDK**

The SDK versions identified as alpha, beta, preview or otherwise as pre-release, may not be fully functional, may contain errors or design flaws, and may have reduced or different security, privacy, accessibility, availability, and reliability standards relative to commercial versions of NVIDIA software and materials. Use of a pre-release SDK may result in unexpected results, loss of data, project delays or other unpredictable damage or loss.

You may use a pre-release SDK at your own risk, understanding that pre-release SDKs are not intended for use in production or business-critical systems.

NVIDIA may choose not to make available a commercial version of any pre-release SDK. NVIDIA may also choose to abandon development and terminate the availability of a pre-release SDK at any time without liability.

#### **1.1.5. Updates**

NVIDIA may, at its option, make available patches, workarounds or other updates to this SDK. Unless the updates are provided with their separate governing terms, they are deemed part of the SDK licensed to you as provided in this Agreement. You agree that the form and content of the SDK that NVIDIA provides may change without prior notice to you. While NVIDIA generally maintains compatibility between versions, NVIDIA may in some cases make changes that introduce incompatibilities in future versions of the SDK.

#### **1.1.6. Components Under Other Licenses**

The SDK may come bundled with, or otherwise include or be distributed with, NVIDIA or third-party components with separate legal notices or terms as may be described in proprietary notices accompanying the SDK. If and to the extent there is a conflict between the terms in this Agreement and the license terms associated with the component, the license terms associated with the components control only to the extent necessary to resolve the conflict.

Subject to the other terms of this Agreement, you may use the SDK to develop and test applications released under Open Source Initiative (OSI) approved open source software licenses.

#### **1.1.7. Reservation of Rights**

NVIDIA reserves all rights, title, and interest in and to the SDK, not expressly granted to you under this Agreement.

### **1.2. Limitations**

The following license limitations apply to your use of the SDK:

1. You may not reverse engineer, decompile or disassemble, or remove copyright or other proprietary notices from any portion of the SDK or copies of the SDK.
2. Except as expressly provided in this Agreement, you may not copy, sell, rent, sublicense, transfer, distribute, modify, or create derivative works of any portion of the SDK. For clarity, you may not distribute or sublicense the SDK as a stand-alone product.
3. Unless you have an agreement with NVIDIA for this purpose, you may not indicate that an application created with the SDK is sponsored or endorsed by NVIDIA.
4. You may not bypass, disable, or circumvent any encryption, security, digital rights management or authentication mechanism in the SDK.
5. You may not use the SDK in any manner that would cause it to become subject to an open source software license. As examples, licenses that require as a condition of use, modification, and/or distribution that the SDK be:
  - a. Disclosed or distributed in source code form;
  - b. Licensed for the purpose of making derivative works; or
  - c. Redistributable at no charge.
6. You acknowledge that the SDK as delivered is not tested or certified by NVIDIA for use in connection with the design, construction, maintenance, and/or operation of any system where the use or failure of such system could result in a situation that threatens the safety of human life or results in catastrophic damages (each, a "Critical Application"). Examples of Critical Applications include use in avionics, navigation, autonomous vehicle applications, ai solutions for automotive products, military, medical, life support or other life critical

applications. NVIDIA shall not be liable to you or any third party, in whole or in part, for any claims or damages arising from such uses. You are solely responsible for ensuring that any product or service developed with the SDK as a whole includes sufficient features to comply with all applicable legal and regulatory standards and requirements.

7. You agree to defend, indemnify and hold harmless NVIDIA and its affiliates, and their respective employees, contractors, agents, officers and directors, from and against any and all claims, damages, obligations, losses, liabilities, costs or debt, fines, restitutions and expenses (including but not limited to attorney's fees and costs incident to establishing the right of indemnification) arising out of or related to products or services that use the SDK in or for Critical Applications, and for use of the SDK outside of the scope of this Agreement or not in compliance with its terms.
8. You may not reverse engineer, decompile or disassemble any portion of the output generated using SDK elements for the purpose of translating such output artifacts to target a non-NVIDIA platform.

### 1.3. Ownership

1. NVIDIA or its licensors hold all rights, title and interest in and to the SDK and its modifications and derivative works, including their respective intellectual property rights, subject to your rights under Section 1.3.2. This SDK may include software and materials from NVIDIA's licensors, and these licensors are intended third party beneficiaries that may enforce this Agreement with respect to their intellectual property rights.
2. You hold all rights, title and interest in and to your applications and your derivative works of the sample source code delivered in the SDK, including their respective intellectual property rights, subject to NVIDIA's rights under Section 1.3.1.
3. You may, but don't have to, provide to NVIDIA suggestions, feature requests or other feedback regarding the SDK, including possible enhancements or modifications to the SDK. For any feedback that you voluntarily provide, you hereby grant NVIDIA and its affiliates a perpetual, non-exclusive, worldwide, irrevocable license to use, reproduce, modify, license, sublicense (through multiple tiers of sublicensees), and distribute (through multiple tiers of distributors) it without the payment of any royalties or fees to you. NVIDIA will use feedback at its choice. NVIDIA is constantly looking for ways to improve its products, so you may send feedback to NVIDIA through the developer portal at <https://developer.nvidia.com>.

### 1.4. No Warranties

THE SDK IS PROVIDED BY NVIDIA "AS IS" AND "WITH ALL FAULTS." TO THE MAXIMUM EXTENT PERMITTED BY LAW, NVIDIA AND ITS AFFILIATES EXPRESSLY DISCLAIM ALL WARRANTIES OF ANY KIND OR NATURE, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, OR THE ABSENCE OF ANY DEFECTS THEREIN, WHETHER LATENT OR PATENT. NO WARRANTY IS MADE ON THE BASIS OF TRADE USAGE, COURSE OF DEALING OR COURSE OF TRADE.

### 1.5. Limitation of Liability

TO THE MAXIMUM EXTENT PERMITTED BY LAW, NVIDIA AND ITS AFFILIATES SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, PUNITIVE OR CONSEQUENTIAL DAMAGES, OR ANY LOST PROFITS, LOSS OF USE, LOSS OF DATA OR LOSS OF GOODWILL, OR THE COSTS OF PROCURING SUBSTITUTE PRODUCTS, ARISING OUT OF OR IN CONNECTION WITH THIS AGREEMENT OR THE USE OR PERFORMANCE OF THE SDK, WHETHER SUCH LIABILITY ARISES FROM ANY CLAIM BASED UPON BREACH OF CONTRACT, BREACH OF WARRANTY, TORT (INCLUDING NEGLIGENCE), PRODUCT LIABILITY OR ANY OTHER CAUSE OF ACTION OR THEORY OF LIABILITY. IN NO EVENT WILL NVIDIA'S AND ITS AFFILIATES TOTAL CUMULATIVE LIABILITY UNDER OR ARISING OUT OF THIS AGREEMENT EXCEED US\$10.00. THE NATURE OF THE LIABILITY OR THE NUMBER OF CLAIMS OR SUITS SHALL NOT ENLARGE OR EXTEND THIS LIMIT.

These exclusions and limitations of liability shall apply regardless if NVIDIA or its affiliates have been advised of the possibility of such damages, and regardless of whether a remedy fails its essential purpose. These exclusions and limitations of liability form an essential basis of the bargain between the parties, and, absent any of these exclusions or limitations of liability, the provisions of this Agreement, including, without limitation, the economic terms, would be

substantially different.

### 1.6. Termination

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2. If you want to terminate this Agreement, you may do so by stopping to use the SDK.
3. NVIDIA may, at any time, terminate this Agreement if:
  - a. (i) you fail to comply with any term of this Agreement and the non-compliance is not fixed within thirty (30) days following notice from NVIDIA (or immediately if you violate NVIDIA's intellectual property rights);
  - b. (ii) you commence or participate in any legal proceeding against NVIDIA with respect to the SDK; or
  - c. (iii) NVIDIA decides to no longer provide the SDK in a country or, in NVIDIA's sole discretion, the continued use of it is no longer commercially viable.
4. Upon any termination of this Agreement, you agree to promptly discontinue use of the SDK and destroy all copies in your possession or control. Your prior distributions in accordance with this Agreement are not affected by the termination of this Agreement. Upon written request, you will certify in writing that you have complied with your commitments under this section. Upon any termination of this Agreement all provisions survive except for the license grant provisions.

### 1.7. General

If you wish to assign this Agreement or your rights and obligations, including by merger, consolidation, dissolution or operation of law, contact NVIDIA to ask for permission. Any attempted assignment not approved by NVIDIA in writing shall be void and of no effect. NVIDIA may assign, delegate or transfer this Agreement and its rights and obligations, and if to a non-affiliate you will be notified.

You agree to cooperate with NVIDIA and provide reasonably requested information to verify your compliance with this Agreement.

This Agreement will be governed in all respects by the laws of the United States and of the State of Delaware as those laws are applied to contracts entered into and performed entirely within Delaware by Delaware residents, without regard to the conflicts of laws principles. The United Nations Convention on Contracts for the International Sale of Goods is specifically disclaimed. You agree to all terms of this Agreement in the English language.

The state or federal courts residing in Santa Clara County, California shall have exclusive jurisdiction over any dispute or claim arising out of this Agreement. Notwithstanding this, you agree that NVIDIA shall still be allowed to apply for injunctive remedies or an equivalent type of urgent legal relief in any jurisdiction.

If any court of competent jurisdiction determines that any provision of this Agreement is illegal, invalid or unenforceable, such provision will be construed as limited to the extent necessary to be consistent with and fully enforceable under the law and the remaining provisions will remain in full force and effect. Unless otherwise specified, remedies are cumulative.

Each party acknowledges and agrees that the other is an independent contractor in the performance of this Agreement. The SDK has been developed entirely at private expense and is "commercial items" consisting of "commercial computer software" and "commercial computer software documentation" provided with RESTRICTED RIGHTS. Use, duplication or disclosure by the U.S. Government or a U.S. Government subcontractor is subject to the restrictions in this Agreement pursuant to DFARS 227.7202-3(a) or as set forth in subparagraphs (c)(1) and (2) of the Commercial Computer Software - Restricted Rights clause at FAR 52.227-19, as applicable. Contractor/manufacturer is NVIDIA, 2788 San Tomas Expressway, Santa Clara, CA 95051.

The SDK is subject to United States export laws and regulations. You agree that you will not ship, transfer or export the SDK into any country, or use the SDK in any manner, prohibited by the United States Bureau of Industry and Security or economic sanctions regulations administered by the U.S. Department of Treasury's Office of Foreign Assets Control (OFAC), or any applicable export laws, restrictions or regulations. These laws include restrictions on destinations, end users and end use. By accepting this Agreement, you confirm that you are not a resident or citizen of any country currently embargoed by the U.S. and that you are not otherwise prohibited from receiving the SDK.

Any notice delivered by NVIDIA to you under this Agreement will be delivered via mail, email or fax. You agree that any

notices that NVIDIA sends you electronically will satisfy any legal communication requirements. Please direct your legal notices or other correspondence to NVIDIA Corporation, 2788 San Tomas Expressway, Santa Clara, California 95051, United States of America, Attention: Legal Department.

This Agreement and any exhibits incorporated into this Agreement constitute the entire agreement of the parties with respect to the subject matter of this Agreement and supersede all prior negotiations or documentation exchanged between the parties relating to this SDK license. Any additional and/or conflicting terms on documents issued by you are null, void, and invalid. Any amendment or waiver under this Agreement shall be in writing and signed by representatives of both parties.

The terms in this supplement govern your use of the NVIDIA CUDA Toolkit SDK under the terms of your license agreement (“Agreement”) as modified by this supplement. Capitalized terms used but not defined below have the meaning assigned to them in the Agreement.

This supplement is an exhibit to the Agreement and is incorporated as an integral part of the Agreement. In the event of conflict between the terms in this supplement and the terms in the Agreement, the terms in this supplement govern.

### 2.1. License Scope

The SDK is licensed for you to develop applications only for use in systems with NVIDIA GPUs.

### 2.2. Distribution

The portions of the SDK that are distributable under the Agreement are listed in Attachment A.

### 2.3. Operating Systems

Those portions of the SDK designed exclusively for use on the Linux or FreeBSD operating systems, or other operating systems derived from the source code to these operating systems, may be copied and redistributed for use in accordance with this Agreement, provided that the object code files are not modified in any way (except for unzipping of compressed files).

### 2.4. Audio and Video Encoders and Decoders

You acknowledge and agree that it is your sole responsibility to obtain any additional third-party licenses required to make, have made, use, have used, sell, import, and offer for sale your products or services that include or incorporate any third-party software and content relating to audio and/or video encoders and decoders from, including but not limited to, Microsoft, Thomson, Fraunhofer IIS, Sisvel S.p.A., MPEG-LA, and Coding Technologies. NVIDIA does not grant to you under this Agreement any necessary patent or other rights with respect to any audio and/or video encoders and decoders.

### 2.5. Licensing

If the distribution terms in this Agreement are not suitable for your organization, or for any questions regarding this Agreement, please contact NVIDIA at [nvidia-compute-license-questions@nvidia.com](mailto:nvidia-compute-license-questions@nvidia.com).

### 2.6. Attachment A

The following CUDA Toolkit files may be distributed with Licensee Applications developed by you, including certain variations of these files that have version number or architecture specific information embedded in the file name - as an example only, for release version 9.0 of the 64-bit Windows software, the file `cuda64_90.dll` is redistributable.

Component	CUDA Runtime
Windows	<code>cuda64.dll</code> , <code>cuda64_static.lib</code> , <code>cuda64devrt.lib</code>
Mac OSX	<code>libcudart.dylib</code> , <code>libcudart_static.a</code> , <code>libcudadevrt.a</code>
Linux	<code>libcudart.so</code> , <code>libcudart_static.a</code> , <code>libcudadevrt.a</code>

Android	libcudart.so, libcudart_static.a, libcudadevrt.a
<b>Component</b>	<b>CUDA FFT Library</b>
Windows	cufft.dll, cufftw.dll, cufft.lib, cufftw.lib
Mac OSX	libcufft.dylib, libcufft_static.a, libcufftw.dylib, libcufftw_static.a
Linux	libcufft.so, libcufft_static.a, libcufftw.so, libcufftw_static.a
Android	libcufft.so, libcufft_static.a, libcufftw.so, libcufftw_static.a
<b>Component</b>	<b>CUDA BLAS Library</b>
Windows	cublas.dll, cublasLt.dll
Mac OSX	libcublas.dylib, libcublasLt.dylib, libcublas_static.a, libcublasLt_static.a
Linux	libcublas.so, libcublasLt.so, libcublas_static.a, libcublasLt_static.a
Android	libcublas.so, libcublasLt.so, libcublas_static.a, libcublasLt_static.a
<b>Component</b>	<b>NVIDIA "Drop-in" BLAS Library</b>
Windows	nvblas.dll
Mac OSX	libnvblas.dylib
Linux	libnvblas.so
<b>Component</b>	<b>CUDA Sparse Matrix Library</b>
Windows	cusparse.dll, cusparse.lib

Mac OSX	libcusparsed.dylib, libcusparsed_static.a
Linux	libcusparsed.so, libcusparsed_static.a
Android	libcusparsed.so, libcusparsed_static.a
<b>Component</b>	<b>CUDA Linear Solver Library</b>
Windows	cusolver.dll, cusolver.lib
Mac OSX	libcusolver.dylib, libcusolver_static.a
Linux	libcusolver.so, libcusolver_static.a
Android	libcusolver.so, libcusolver_static.a
<b>Component</b>	<b>CUDA Random Number Generation Library</b>
Windows	curand.dll, curand.lib
Mac OSX	libcurand.dylib, libcurand_static.a
Linux	libcurand.so, libcurand_static.a
Android	libcurand.so, libcurand_static.a
<b>Component</b>	<b>NVIDIA Performance Primitives Library</b>
Windows	nppc.dll, nppc.lib, nppial.dll, nppial.lib, nppicc.dll, nppicc.lib, nppicom.dll, nppicom.lib, nppidei.dll, nppidei.lib, nppif.dll, nppif.lib, nppig.dll, nppig.lib, nppim.dll, nppim.lib, nppist.dll, nppist.lib, nppisu.dll, nppisu.lib, nppitc.dll, nppitc.lib, npps.dll, npps.lib

Mac OSX	libnppc.dylib, libnppc_static.a, libnppial.dylib, libnppial_static.a, libnppicc.dylib, libnppicc_static.a, libnppicom.dylib, libnppicom_static.a, libnppidei.dylib, libnppidei_static.a, libnppif.dylib, libnppif_static.a, libnppig.dylib, libnppig_static.a, libnppim.dylib, libnppisu_static.a, libnppitc.dylib, libnppitc_static.a, libnpps.dylib, libnpps_static.a
Linux	libnppc.so, libnppc_static.a, libnppial.so, libnppial_static.a, libnppicc.so, libnppicc_static.a, libnppicom.so, libnppicom_static.a, libnppidei.so, libnppidei_static.a, libnppif.so, libnppif_static.a, libnppig.so, libnppig_static.a, libnppim.so, libnppim_static.a, libnppist.so, libnppist_static.a, libnppisu.so, libnppisu_static.a, libnppitc.so, libnppitc_static.a, libnpps.so, libnpps_static.a
Android	libnppc.so, libnppc_static.a, libnppial.so, libnppial_static.a, libnppicc.so, libnppicc_static.a, libnppicom.so, libnppicom_static.a, libnppidei.so, libnppidei_static.a, libnppif.so, libnppif_static.a, libnppig.so, libnppig_static.a, libnppim.so, libnppim_static.a, libnppist.so, libnppist_static.a, libnppisu.so, libnppisu_static.a, libnppitc.so, libnppitc_static.a, libnpps.so, libnpps_static.a
<b>Component</b>	<b>NVIDIA JPEG Library</b>
Windows	nvjpeg.lib, nvjpeg.dll
Linux	libnvjpeg.so, libnvjpeg_static.a
<b>Component</b>	<b>Internal common library required for statically linking to cuBLAS, cuSPARSE, cuFFT, cuRAND, nvJPEG and NPP</b>
Mac OSX	libculibos.a
Linux	libculibos.a
<b>Component</b>	<b>NVIDIA Runtime Compilation Library and Header</b>
All	nrtc.h
Windows	nrtc.dll, nrtc-builtins.dll
Mac OSX	libnrtc.dylib, libnrtc-builtins.dylib
Linux	libnrtc.so, libnrtc-builtins.so

<b>Component</b>	<b>NVIDIA Optimizing Compiler Library</b>
Windows	nvvm.dll
Mac OSX	libnvvm.dylib
Linux	libnvvm.so
<b>Component</b>	<b>NVIDIA Common Device Math Functions Library</b>
Windows	libdevice.10.bc
Mac OSX	libdevice.10.bc
Linux	libdevice.10.bc
<b>Component</b>	<b>CUDA Occupancy Calculation Header Library</b>
All	cuda_occupancy.h
<b>Component</b>	<b>CUDA Half Precision Headers</b>
All	cuda_fp16.h, cuda_fp16.hpp
<b>Component</b>	<b>CUDA Profiling Tools Interface (CUPTI) Library</b>
Windows	cupti.dll
Mac OSX	libcupti.dylib
Linux	libcupti.so

<b>Component</b>	<b>NVIDIA Tools Extension Library</b>
Windows	nvToolsExt.dll, nvToolsExt.lib
Mac OSX	libnvToolsExt.dylib
Linux	libnvToolsExt.so
<b>Component</b>	<b>NVIDIA CUDA Driver Libraries</b>
Linux	libcuda.so, libnvidia-ptxjitcompiler.so
<b>Component</b>	<b>NVIDIA CUDA File IO Libraries and Header</b>
All	cufile.h
Linux	libcufile.so, libcufile_rdma.so, libcufile_static.a, libcufile_rdma_static.a

The NVIDIA CUDA Driver Libraries are only distributable in applications that meet this criteria:

1. The application was developed starting from a NVIDIA CUDA container obtained from Docker Hub or the NVIDIA GPU Cloud, and
2. The resulting application is packaged as a Docker container and distributed to users on Docker Hub or the NVIDIA GPU Cloud only.

In addition to the rights above, for parties that are developing software intended solely for use on Jetson development kits or Jetson modules, and running Linux for Tegra software, the following shall apply:

- The SDK may be distributed in its entirety, as provided by NVIDIA, and without separation of its components, for you and/or your licensees to create software development kits for use only on the Jetson platform and running Linux for Tegra software.

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## 17 CUDA – 12.6.3

This license agreement, including exhibits attached ("Agreement") is a legal agreement between you and NVIDIA Corporation ("NVIDIA") and governs your use of a NVIDIA software development kit ("SDK").

Each SDK has its own set of software and materials, but here is a description of the types of items that may be included in a SDK: source code, header files, APIs, data sets and assets (examples include images, textures, models, scenes, videos, native API input/output files), binary software, sample code, libraries, utility programs, programming code and documentation.

This Agreement can be accepted only by an adult of legal age of majority in the country in which the SDK is used.

If you are entering into this Agreement on behalf of a company or other legal entity, you represent that you have the legal authority to bind the entity to this Agreement, in which case "you" will mean the entity you represent.

If you don't have the required age or authority to accept this Agreement, or if you don't accept all the terms and conditions of this Agreement, do not download, install or use the SDK.

You agree to use the SDK only for purposes that are permitted by (a) this Agreement, and (b) any applicable law, regulation or generally accepted practices or guidelines in the relevant jurisdictions.

### 1.1. License

#### 1.1.1. License Grant

Subject to the terms of this Agreement, NVIDIA hereby grants you a non-exclusive, non-transferable license, without the right to sublicense (except as expressly provided in this Agreement) to:

1. Install and use the SDK,
2. Modify and create derivative works of sample source code delivered in the SDK, and
3. Distribute those portions of the SDK that are identified in this Agreement as distributable, as incorporated in object code format into a software application that meets the distribution requirements indicated in this Agreement.

#### 1.1.2. Distribution Requirements

These are the distribution requirements for you to exercise the distribution grant:

1. Your application must have material additional functionality, beyond the included portions of the SDK.
2. The distributable portions of the SDK shall only be accessed by your application.
3. The following notice shall be included in modifications and derivative works of sample source code distributed: "This software contains source code provided by NVIDIA Corporation."
4. Unless a developer tool is identified in this Agreement as distributable, it is delivered for your internal use only.
5. The terms under which you distribute your application must be consistent with the terms of this Agreement, including (without limitation) terms relating to the license grant and license restrictions and protection of NVIDIA's intellectual property rights. Additionally, you agree that you will protect the privacy, security and legal rights of your application users.
6. You agree to notify NVIDIA in writing of any known or suspected distribution or use of the SDK not in compliance with the requirements of this Agreement, and to enforce the terms of your agreements with respect to distributed SDK.

#### 1.1.3. Authorized Users

You may allow employees and contractors of your entity or of your subsidiary(ies) to access and use the SDK from your secure network to perform work on your behalf.

If you are an academic institution you may allow users enrolled or employed by the academic institution to access and use the SDK from your secure network.

You are responsible for the compliance with the terms of this Agreement by your authorized users. If you become aware

that your authorized users didn't follow the terms of this Agreement, you agree to take reasonable steps to resolve the non-compliance and prevent new occurrences.

#### **1.1.4. Pre-Release SDK**

The SDK versions identified as alpha, beta, preview or otherwise as pre-release, may not be fully functional, may contain errors or design flaws, and may have reduced or different security, privacy, accessibility, availability, and reliability standards relative to commercial versions of NVIDIA software and materials. Use of a pre-release SDK may result in unexpected results, loss of data, project delays or other unpredictable damage or loss.

You may use a pre-release SDK at your own risk, understanding that pre-release SDKs are not intended for use in production or business-critical systems.

NVIDIA may choose not to make available a commercial version of any pre-release SDK. NVIDIA may also choose to abandon development and terminate the availability of a pre-release SDK at any time without liability.

#### **1.1.5. Updates**

NVIDIA may, at its option, make available patches, workarounds or other updates to this SDK. Unless the updates are provided with their separate governing terms, they are deemed part of the SDK licensed to you as provided in this Agreement. You agree that the form and content of the SDK that NVIDIA provides may change without prior notice to you. While NVIDIA generally maintains compatibility between versions, NVIDIA may in some cases make changes that introduce incompatibilities in future versions of the SDK.

#### **1.1.6. Components Under Other Licenses**

The SDK may come bundled with, or otherwise include or be distributed with, NVIDIA or third-party components with separate legal notices or terms as may be described in proprietary notices accompanying the SDK. If and to the extent there is a conflict between the terms in this Agreement and the license terms associated with the component, the license terms associated with the components control only to the extent necessary to resolve the conflict.

Subject to the other terms of this Agreement, you may use the SDK to develop and test applications released under Open Source Initiative (OSI) approved open source software licenses.

#### **1.1.7. Reservation of Rights**

NVIDIA reserves all rights, title, and interest in and to the SDK, not expressly granted to you under this Agreement.

### **1.2. Limitations**

The following license limitations apply to your use of the SDK:

1. You may not reverse engineer, decompile or disassemble, or remove copyright or other proprietary notices from any portion of the SDK or copies of the SDK.
2. Except as expressly provided in this Agreement, you may not copy, sell, rent, sublicense, transfer, distribute, modify, or create derivative works of any portion of the SDK. For clarity, you may not distribute or sublicense the SDK as a stand-alone product.
3. Unless you have an agreement with NVIDIA for this purpose, you may not indicate that an application created with the SDK is sponsored or endorsed by NVIDIA.
4. You may not bypass, disable, or circumvent any encryption, security, digital rights management or authentication mechanism in the SDK.
5. You may not use the SDK in any manner that would cause it to become subject to an open source software license. As examples, licenses that require as a condition of use, modification, and/or distribution that the SDK be:
  - a. Disclosed or distributed in source code form;
  - b. Licensed for the purpose of making derivative works; or
  - c. Redistributable at no charge.
6. You acknowledge that the SDK as delivered is not tested or certified by NVIDIA for use in connection with the design, construction, maintenance, and/or operation of any system where the use or failure of such system could result in a situation that threatens the safety of human life or results in catastrophic damages (each, a "Critical Application"). Examples of Critical Applications include use in avionics, navigation, autonomous vehicle applications, ai solutions for automotive products, military, medical, life support or other life critical

applications. NVIDIA shall not be liable to you or any third party, in whole or in part, for any claims or damages arising from such uses. You are solely responsible for ensuring that any product or service developed with the SDK as a whole includes sufficient features to comply with all applicable legal and regulatory standards and requirements.

7. You agree to defend, indemnify and hold harmless NVIDIA and its affiliates, and their respective employees, contractors, agents, officers and directors, from and against any and all claims, damages, obligations, losses, liabilities, costs or debt, fines, restitutions and expenses (including but not limited to attorney’s fees and costs incident to establishing the right of indemnification) arising out of or related to products or services that use the SDK in or for Critical Applications, and for use of the SDK outside of the scope of this Agreement or not in compliance with its terms.
8. You may not reverse engineer, decompile or disassemble any portion of the output generated using SDK elements for the purpose of translating such output artifacts to target a non-NVIDIA platform.

### 1.3. Ownership

1. NVIDIA or its licensors hold all rights, title and interest in and to the SDK and its modifications and derivative works, including their respective intellectual property rights, subject to your rights under Section 1.3.2. This SDK may include software and materials from NVIDIA’s licensors, and these licensors are intended third party beneficiaries that may enforce this Agreement with respect to their intellectual property rights.
2. You hold all rights, title and interest in and to your applications and your derivative works of the sample source code delivered in the SDK, including their respective intellectual property rights, subject to NVIDIA’s rights under Section 1.3.1.
3. You may, but don’t have to, provide to NVIDIA suggestions, feature requests or other feedback regarding the SDK, including possible enhancements or modifications to the SDK. For any feedback that you voluntarily provide, you hereby grant NVIDIA and its affiliates a perpetual, non-exclusive, worldwide, irrevocable license to use, reproduce, modify, license, sublicense (through multiple tiers of sublicensees), and distribute (through multiple tiers of distributors) it without the payment of any royalties or fees to you. NVIDIA will use feedback at its choice. NVIDIA is constantly looking for ways to improve its products, so you may send feedback to NVIDIA through the developer portal at <https://developer.nvidia.com>.

### 1.4. No Warranties

THE SDK IS PROVIDED BY NVIDIA “AS IS” AND “WITH ALL FAULTS.” TO THE MAXIMUM EXTENT PERMITTED BY LAW, NVIDIA AND ITS AFFILIATES EXPRESSLY DISCLAIM ALL WARRANTIES OF ANY KIND OR NATURE, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, OR THE ABSENCE OF ANY DEFECTS THEREIN, WHETHER LATENT OR PATENT. NO WARRANTY IS MADE ON THE BASIS OF TRADE USAGE, COURSE OF DEALING OR COURSE OF TRADE.

### 1.5. Limitation of Liability

TO THE MAXIMUM EXTENT PERMITTED BY LAW, NVIDIA AND ITS AFFILIATES SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, PUNITIVE OR CONSEQUENTIAL DAMAGES, OR ANY LOST PROFITS, LOSS OF USE, LOSS OF DATA OR LOSS OF GOODWILL, OR THE COSTS OF PROCURING SUBSTITUTE PRODUCTS, ARISING OUT OF OR IN CONNECTION WITH THIS AGREEMENT OR THE USE OR PERFORMANCE OF THE SDK, WHETHER SUCH LIABILITY ARISES FROM ANY CLAIM BASED UPON BREACH OF CONTRACT, BREACH OF WARRANTY, TORT (INCLUDING NEGLIGENCE), PRODUCT LIABILITY OR ANY OTHER CAUSE OF ACTION OR THEORY OF LIABILITY. IN NO EVENT WILL NVIDIA’S AND ITS AFFILIATES TOTAL CUMULATIVE LIABILITY UNDER OR ARISING OUT OF THIS AGREEMENT EXCEED US\$10.00. THE NATURE OF THE LIABILITY OR THE NUMBER OF CLAIMS OR SUITS SHALL NOT ENLARGE OR EXTEND THIS LIMIT.

These exclusions and limitations of liability shall apply regardless if NVIDIA or its affiliates have been advised of the possibility of such damages, and regardless of whether a remedy fails its essential purpose. These exclusions and limitations of liability form an essential basis of the bargain between the parties, and, absent any of these exclusions or limitations of liability, the provisions of this Agreement, including, without limitation, the economic terms, would be

substantially different.

### 1.6. Termination

1. This Agreement will continue to apply until terminated by either you or NVIDIA as described below.
2. If you want to terminate this Agreement, you may do so by stopping to use the SDK.
3. NVIDIA may, at any time, terminate this Agreement if:
  - a. (i) you fail to comply with any term of this Agreement and the non-compliance is not fixed within thirty (30) days following notice from NVIDIA (or immediately if you violate NVIDIA's intellectual property rights);
  - b. (ii) you commence or participate in any legal proceeding against NVIDIA with respect to the SDK; or
  - c. (iii) NVIDIA decides to no longer provide the SDK in a country or, in NVIDIA's sole discretion, the continued use of it is no longer commercially viable.
4. Upon any termination of this Agreement, you agree to promptly discontinue use of the SDK and destroy all copies in your possession or control. Your prior distributions in accordance with this Agreement are not affected by the termination of this Agreement. Upon written request, you will certify in writing that you have complied with your commitments under this section. Upon any termination of this Agreement all provisions survive except for the license grant provisions.

### 1.7. General

If you wish to assign this Agreement or your rights and obligations, including by merger, consolidation, dissolution or operation of law, contact NVIDIA to ask for permission. Any attempted assignment not approved by NVIDIA in writing shall be void and of no effect. NVIDIA may assign, delegate or transfer this Agreement and its rights and obligations, and if to a non-affiliate you will be notified.

You agree to cooperate with NVIDIA and provide reasonably requested information to verify your compliance with this Agreement.

This Agreement will be governed in all respects by the laws of the United States and of the State of Delaware as those laws are applied to contracts entered into and performed entirely within Delaware by Delaware residents, without regard to the conflicts of laws principles. The United Nations Convention on Contracts for the International Sale of Goods is specifically disclaimed. You agree to all terms of this Agreement in the English language.

The state or federal courts residing in Santa Clara County, California shall have exclusive jurisdiction over any dispute or claim arising out of this Agreement. Notwithstanding this, you agree that NVIDIA shall still be allowed to apply for injunctive remedies or an equivalent type of urgent legal relief in any jurisdiction.

If any court of competent jurisdiction determines that any provision of this Agreement is illegal, invalid or unenforceable, such provision will be construed as limited to the extent necessary to be consistent with and fully enforceable under the law and the remaining provisions will remain in full force and effect. Unless otherwise specified, remedies are cumulative.

Each party acknowledges and agrees that the other is an independent contractor in the performance of this Agreement. The SDK has been developed entirely at private expense and is "commercial items" consisting of "commercial computer software" and "commercial computer software documentation" provided with RESTRICTED RIGHTS. Use, duplication or disclosure by the U.S. Government or a U.S. Government subcontractor is subject to the restrictions in this Agreement pursuant to DFARS 227.7202-3(a) or as set forth in subparagraphs (c)(1) and (2) of the Commercial Computer Software - Restricted Rights clause at FAR 52.227-19, as applicable. Contractor/manufacturer is NVIDIA, 2788 San Tomas Expressway, Santa Clara, CA 95051.

The SDK is subject to United States export laws and regulations. You agree that you will not ship, transfer or export the SDK into any country, or use the SDK in any manner, prohibited by the United States Bureau of Industry and Security or economic sanctions regulations administered by the U.S. Department of Treasury's Office of Foreign Assets Control (OFAC), or any applicable export laws, restrictions or regulations. These laws include restrictions on destinations, end users and end use. By accepting this Agreement, you confirm that you are not a resident or citizen of any country currently embargoed by the U.S. and that you are not otherwise prohibited from receiving the SDK.

Any notice delivered by NVIDIA to you under this Agreement will be delivered via mail, email or fax. You agree that any

notices that NVIDIA sends you electronically will satisfy any legal communication requirements. Please direct your legal notices or other correspondence to NVIDIA Corporation, 2788 San Tomas Expressway, Santa Clara, California 95051, United States of America, Attention: Legal Department.

This Agreement and any exhibits incorporated into this Agreement constitute the entire agreement of the parties with respect to the subject matter of this Agreement and supersede all prior negotiations or documentation exchanged between the parties relating to this SDK license. Any additional and/or conflicting terms on documents issued by you are null, void, and invalid. Any amendment or waiver under this Agreement shall be in writing and signed by representatives of both parties.

## 2. CUDA Toolkit Supplement to Software License Agreement for NVIDIA Software Development Kits

The terms in this supplement govern your use of the NVIDIA CUDA Toolkit SDK under the terms of your license agreement (“Agreement”) as modified by this supplement. Capitalized terms used but not defined below have the meaning assigned to them in the Agreement.

This supplement is an exhibit to the Agreement and is incorporated as an integral part of the Agreement. In the event of conflict between the terms in this supplement and the terms in the Agreement, the terms in this supplement govern.

### 2.1. License Scope

The SDK is licensed for you to develop applications only for use in systems with NVIDIA GPUs.

### 2.2. Distribution

The portions of the SDK that are distributable under the Agreement are listed in Attachment A.

### 2.3. Operating Systems

Those portions of the SDK designed exclusively for use on the Linux or FreeBSD operating systems, or other operating systems derived from the source code to these operating systems, may be copied and redistributed for use in accordance with this Agreement, provided that the object code files are not modified in any way (except for unzipping of compressed files).

### 2.4. Audio and Video Encoders and Decoders

You acknowledge and agree that it is your sole responsibility to obtain any additional third-party licenses required to make, have made, use, have used, sell, import, and offer for sale your products or services that include or incorporate any third-party software and content relating to audio and/or video encoders and decoders from, including but not limited to, Microsoft, Thomson, Fraunhofer IIS, Sisvel S.p.A., MPEG-LA, and Coding Technologies. NVIDIA does not grant to you under this Agreement any necessary patent or other rights with respect to any audio and/or video encoders and decoders.

### 2.5. Licensing

If the distribution terms in this Agreement are not suitable for your organization, or for any questions regarding this Agreement, please contact NVIDIA at [nvidia-compute-license-questions@nvidia.com](mailto:nvidia-compute-license-questions@nvidia.com).

### 2.6. Attachment A

The following CUDA Toolkit files may be distributed with Licensee Applications developed by you, including certain variations of these files that have version number or architecture specific information embedded in the file name - as an example only, for release version 9.0 of the 64-bit Windows software, the file `cuda64_90.dll` is redistributable.

Component	CUDA Runtime
Windows	<code>cuda.dll</code> , <code>cuda_static.lib</code> , <code>cuda_devrt.lib</code>
Mac OSX	<code>libcudart.dylib</code> , <code>libcudart_static.a</code> , <code>libcudadevrt.a</code>

Linux	libcudart.so, libcudart_static.a, libcudadevrt.a
Android	libcudart.so, libcudart_static.a, libcudadevrt.a
<b>Component</b>	<b>CUDA FFT Library</b>
Windows	cufft.dll, cufftw.dll, cufft.lib, cufftw.lib
Mac OSX	libcufft.dylib, libcufft_static.a, libcufftw.dylib, libcufftw_static.a
Linux	libcufft.so, libcufft_static.a, libcufftw.so, libcufftw_static.a
Android	libcufft.so, libcufft_static.a, libcufftw.so, libcufftw_static.a
<b>Component</b>	<b>CUDA BLAS Library</b>
Windows	cublas.dll, cublasLt.dll
Mac OSX	libcublas.dylib, libcublasLt.dylib, libcublas_static.a, libcublasLt_static.a
Linux	libcublas.so, libcublasLt.so, libcublas_static.a, libcublasLt_static.a
Android	libcublas.so, libcublasLt.so, libcublas_static.a, libcublasLt_static.a
<b>Component</b>	<b>NVIDIA "Drop-in" BLAS Library</b>
Windows	nvblas.dll
Mac OSX	libnvblas.dylib
Linux	libnvblas.so
<b>Component</b>	<b>CUDA Sparse Matrix Library</b>

Windows	cusparse.dll, cusparse.lib
Mac OSX	libcusparse.dylib, libcusparse_static.a
Linux	libcusparse.so, libcusparse_static.a
Android	libcusparse.so, libcusparse_static.a
<b>Component</b>	<b>CUDA Linear Solver Library</b>
Windows	cusolver.dll, cusolver.lib
Mac OSX	libcusolver.dylib, libcusolver_static.a
Linux	libcusolver.so, libcusolver_static.a
Android	libcusolver.so, libcusolver_static.a
<b>Component</b>	<b>CUDA Random Number Generation Library</b>
Windows	curand.dll, curand.lib
Mac OSX	libcurand.dylib, libcurand_static.a
Linux	libcurand.so, libcurand_static.a
Android	libcurand.so, libcurand_static.a
<b>Component</b>	<b>NVIDIA Performance Primitives Library</b>
Windows	nppc.dll, nppc.lib, nppial.dll, nppial.lib, nppicc.dll, nppicc.lib, nppicom.dll, nppicom.lib, nppidei.dll, nppidei.lib, nppif.dll, nppif.lib, nppig.dll, nppig.lib, nppim.dll, nppim.lib, nppist.dll, nppist.lib, nppisu.dll, nppisu.lib, nppitc.dll, nppitc.lib, npps.dll, npps.lib

Mac OSX	libnppc.dylib, libnppc_static.a, libnppial.dylib, libnppial_static.a, libnppicc.dylib, libnppicc_static.a, libnppicom.dylib, libnppicom_static.a, libnppidei.dylib, libnppidei_static.a, libnppif.dylib, libnppif_static.a, libnppig.dylib, libnppig_static.a, libnppim.dylib, libnppisu_static.a, libnppitc.dylib, libnppitc_static.a, libnpps.dylib, libnpps_static.a
Linux	libnppc.so, libnppc_static.a, libnppial.so, libnppial_static.a, libnppicc.so, libnppicc_static.a, libnppicom.so, libnppicom_static.a, libnppidei.so, libnppidei_static.a, libnppif.so, libnppif_static.a, libnppig.so, libnppig_static.a, libnppim.so, libnppim_static.a, libnppist.so, libnppist_static.a, libnppisu.so, libnppisu_static.a, libnppitc.so, libnppitc_static.a, libnpps.so, libnpps_static.a
Android	libnppc.so, libnppc_static.a, libnppial.so, libnppial_static.a, libnppicc.so, libnppicc_static.a, libnppicom.so, libnppicom_static.a, libnppidei.so, libnppidei_static.a, libnppif.so, libnppif_static.a, libnppig.so, libnppig_static.a, libnppim.so, libnppim_static.a, libnppist.so, libnppist_static.a, libnppisu.so, libnppisu_static.a, libnppitc.so, libnppitc_static.a, libnpps.so, libnpps_static.a
<b>Component</b>	<b>NVIDIA JPEG Library</b>
Windows	nvjpeg.lib, nvjpeg.dll
Linux	libnvjpeg.so, libnvjpeg_static.a
<b>Component</b>	<b>Internal common library required for statically linking to cuBLAS, cuSPARSE, cuFFT, cuRAND, nvJPEG and NPP</b>
Mac OSX	libculibos.a
Linux	libculibos.a
<b>Component</b>	<b>NVIDIA Runtime Compilation Library and Header</b>
All	nVRTC.h
Windows	nVRTC.dll, nVRTC-builtins.dll
Mac OSX	libnVRTC.dylib, libnVRTC-builtins.dylib
Linux	libnVRTC.so, libnVRTC-builtins.so

<b>Component</b>	<b>NVIDIA Optimizing Compiler Library</b>
Windows	nvvm.dll
Mac OSX	libnvvm.dylib
Linux	libnvvm.so
<b>Component</b>	<b>NVIDIA Common Device Math Functions Library</b>
Windows	libdevice.10.bc
Mac OSX	libdevice.10.bc
Linux	libdevice.10.bc
<b>Component</b>	<b>CUDA Occupancy Calculation Header Library</b>
All	cuda_occupancy.h
<b>Component</b>	<b>CUDA Half Precision Headers</b>
All	cuda_fp16.h, cuda_fp16.hpp
<b>Component</b>	<b>CUDA Profiling Tools Interface (CUPTI) Library</b>
Windows	cupti.dll
Mac OSX	libcupti.dylib
Linux	libcupti.so

<b>Component</b>	<b>NVIDIA Tools Extension Library</b>
Windows	nvToolsExt.dll, nvToolsExt.lib
Mac OSX	libnvToolsExt.dylib
Linux	libnvToolsExt.so
<b>Component</b>	<b>NVIDIA CUDA Driver Libraries</b>
Linux	libcuda.so, libnvidia-ptxjitcompiler.so
<b>Component</b>	<b>NVIDIA CUDA File IO Libraries and Header</b>
All	cufile.h
Linux	libcufile.so, libcufile_rdma.so, libcufile_static.a, libcufile_rdma_static.a

The NVIDIA CUDA Driver Libraries are only distributable in applications that meet this criteria:

1. The application was developed starting from a NVIDIA CUDA container obtained from Docker Hub or the NVIDIA GPU Cloud, and
2. The resulting application is packaged as a Docker container and distributed to users on Docker Hub or the NVIDIA GPU Cloud only.

In addition to the rights above, for parties that are developing software intended solely for use on Jetson development kits or Jetson modules, and running Linux for Tegra software, the following shall apply:

- The SDK may be distributed in its entirety, as provided by NVIDIA, and without separation of its components, for you and/or your licensees to create software development kits for use only on the Jetson platform and running Linux for Tegra software.

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## 18 CUDA – 12.9

This license agreement, including exhibits attached ("Agreement") is a legal agreement between you and NVIDIA Corporation ("NVIDIA") and governs your use of a NVIDIA software development kit ("SDK").

Each SDK has its own set of software and materials, but here is a description of the types of items that may be included in a SDK: source code, header files, APIs, data sets and assets (examples include images, textures, models, scenes, videos, native API input/output files), binary software, sample code, libraries, utility programs, programming code and documentation.

This Agreement can be accepted only by an adult of legal age of majority in the country in which the SDK is used.

If you are entering into this Agreement on behalf of a company or other legal entity, you represent that you have the legal authority to bind the entity to this Agreement, in which case "you" will mean the entity you represent.

If you don't have the required age or authority to accept this Agreement, or if you don't accept all the terms and conditions of this Agreement, do not download, install or use the SDK.

You agree to use the SDK only for purposes that are permitted by (a) this Agreement, and (b) any applicable law, regulation or generally accepted practices or guidelines in the relevant jurisdictions.

### 1.1. License

#### 1.1.1. License Grant

Subject to the terms of this Agreement, NVIDIA hereby grants you a non-exclusive, non-transferable license, without the right to sublicense (except as expressly provided in this Agreement) to:

1. Install and use the SDK,
2. Modify and create derivative works of sample source code delivered in the SDK, and
3. Distribute those portions of the SDK that are identified in this Agreement as distributable, as incorporated in object code format into a software application that meets the distribution requirements indicated in this Agreement.

#### 1.1.2. Distribution Requirements

These are the distribution requirements for you to exercise the distribution grant:

1. Your application must have material additional functionality, beyond the included portions of the SDK.
2. The distributable portions of the SDK shall only be accessed by your application.
3. The following notice shall be included in modifications and derivative works of sample source code distributed: "This software contains source code provided by NVIDIA Corporation."
4. Unless a developer tool is identified in this Agreement as distributable, it is delivered for your internal use only.
5. The terms under which you distribute your application must be consistent with the terms of this Agreement, including (without limitation) terms relating to the license grant and license restrictions and protection of NVIDIA's intellectual property rights. Additionally, you agree that you will protect the privacy, security and legal rights of your application users.
6. You agree to notify NVIDIA in writing of any known or suspected distribution or use of the SDK not in compliance with the requirements of this Agreement, and to enforce the terms of your agreements with respect to distributed SDK.

#### 1.1.3. Authorized Users

You may allow employees and contractors of your entity or of your subsidiary(ies) to access and use the SDK from your secure network to perform work on your behalf.

If you are an academic institution you may allow users enrolled or employed by the academic institution to access and use the SDK from your secure network.

You are responsible for the compliance with the terms of this Agreement by your authorized users. If you become aware

that your authorized users didn't follow the terms of this Agreement, you agree to take reasonable steps to resolve the non-compliance and prevent new occurrences.

#### **1.1.4. Pre-Release SDK**

The SDK versions identified as alpha, beta, preview or otherwise as pre-release, may not be fully functional, may contain errors or design flaws, and may have reduced or different security, privacy, accessibility, availability, and reliability standards relative to commercial versions of NVIDIA software and materials. Use of a pre-release SDK may result in unexpected results, loss of data, project delays or other unpredictable damage or loss.

You may use a pre-release SDK at your own risk, understanding that pre-release SDKs are not intended for use in production or business-critical systems.

NVIDIA may choose not to make available a commercial version of any pre-release SDK. NVIDIA may also choose to abandon development and terminate the availability of a pre-release SDK at any time without liability.

#### **1.1.5. Updates**

NVIDIA may, at its option, make available patches, workarounds or other updates to this SDK. Unless the updates are provided with their separate governing terms, they are deemed part of the SDK licensed to you as provided in this Agreement. You agree that the form and content of the SDK that NVIDIA provides may change without prior notice to you. While NVIDIA generally maintains compatibility between versions, NVIDIA may in some cases make changes that introduce incompatibilities in future versions of the SDK.

#### **1.1.6. Components Under Other Licenses**

The SDK may come bundled with, or otherwise include or be distributed with, NVIDIA or third-party components with separate legal notices or terms as may be described in proprietary notices accompanying the SDK. If and to the extent there is a conflict between the terms in this Agreement and the license terms associated with the component, the license terms associated with the components control only to the extent necessary to resolve the conflict.

Subject to the other terms of this Agreement, you may use the SDK to develop and test applications released under Open Source Initiative (OSI) approved open source software licenses.

#### **1.1.7. Reservation of Rights**

NVIDIA reserves all rights, title, and interest in and to the SDK, not expressly granted to you under this Agreement.

### **1.2. Limitations**

The following license limitations apply to your use of the SDK:

1. You may not reverse engineer, decompile or disassemble, or remove copyright or other proprietary notices from any portion of the SDK or copies of the SDK.
2. Except as expressly provided in this Agreement, you may not copy, sell, rent, sublicense, transfer, distribute, modify, or create derivative works of any portion of the SDK. For clarity, you may not distribute or sublicense the SDK as a stand-alone product.
3. Unless you have an agreement with NVIDIA for this purpose, you may not indicate that an application created with the SDK is sponsored or endorsed by NVIDIA.
4. You may not bypass, disable, or circumvent any encryption, security, digital rights management or authentication mechanism in the SDK.
5. You may not use the SDK in any manner that would cause it to become subject to an open source software license. As examples, licenses that require as a condition of use, modification, and/or distribution that the SDK be:
  - a. Disclosed or distributed in source code form;
  - b. Licensed for the purpose of making derivative works; or
  - c. Redistributable at no charge.
6. You acknowledge that the SDK as delivered is not tested or certified by NVIDIA for use in connection with the design, construction, maintenance, and/or operation of any system where the use or failure of such system could result in a situation that threatens the safety of human life or results in catastrophic damages (each, a "Critical Application"). Examples of Critical Applications include use in avionics, navigation, autonomous vehicle applications, ai solutions for automotive products, military, medical, life support or other life critical

applications. NVIDIA shall not be liable to you or any third party, in whole or in part, for any claims or damages arising from such uses. You are solely responsible for ensuring that any product or service developed with the SDK as a whole includes sufficient features to comply with all applicable legal and regulatory standards and requirements.

7. You agree to defend, indemnify and hold harmless NVIDIA and its affiliates, and their respective employees, contractors, agents, officers and directors, from and against any and all claims, damages, obligations, losses, liabilities, costs or debt, fines, restitutions and expenses (including but not limited to attorney's fees and costs incident to establishing the right of indemnification) arising out of or related to products or services that use the SDK in or for Critical Applications, and for use of the SDK outside of the scope of this Agreement or not in compliance with its terms.
8. You may not reverse engineer, decompile or disassemble any portion of the output generated using SDK elements for the purpose of translating such output artifacts to target a non-NVIDIA platform.

### 1.3. Ownership

1. NVIDIA or its licensors hold all rights, title and interest in and to the SDK and its modifications and derivative works, including their respective intellectual property rights, subject to your rights under Section 1.3.2. This SDK may include software and materials from NVIDIA's licensors, and these licensors are intended third party beneficiaries that may enforce this Agreement with respect to their intellectual property rights.
2. You hold all rights, title and interest in and to your applications and your derivative works of the sample source code delivered in the SDK, including their respective intellectual property rights, subject to NVIDIA's rights under Section 1.3.1.
3. You may, but don't have to, provide to NVIDIA suggestions, feature requests or other feedback regarding the SDK, including possible enhancements or modifications to the SDK. For any feedback that you voluntarily provide, you hereby grant NVIDIA and its affiliates a perpetual, non-exclusive, worldwide, irrevocable license to use, reproduce, modify, license, sublicense (through multiple tiers of sublicensees), and distribute (through multiple tiers of distributors) it without the payment of any royalties or fees to you. NVIDIA will use feedback at its choice. NVIDIA is constantly looking for ways to improve its products, so you may send feedback to NVIDIA through the developer portal at <https://developer.nvidia.com>.

### 1.4. No Warranties

THE SDK IS PROVIDED BY NVIDIA "AS IS" AND "WITH ALL FAULTS." TO THE MAXIMUM EXTENT PERMITTED BY LAW, NVIDIA AND ITS AFFILIATES EXPRESSLY DISCLAIM ALL WARRANTIES OF ANY KIND OR NATURE, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, OR THE ABSENCE OF ANY DEFECTS THEREIN, WHETHER LATENT OR PATENT. NO WARRANTY IS MADE ON THE BASIS OF TRADE USAGE, COURSE OF DEALING OR COURSE OF TRADE.

### 1.5. Limitation of Liability

TO THE MAXIMUM EXTENT PERMITTED BY LAW, NVIDIA AND ITS AFFILIATES SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, PUNITIVE OR CONSEQUENTIAL DAMAGES, OR ANY LOST PROFITS, LOSS OF USE, LOSS OF DATA OR LOSS OF GOODWILL, OR THE COSTS OF PROCURING SUBSTITUTE PRODUCTS, ARISING OUT OF OR IN CONNECTION WITH THIS AGREEMENT OR THE USE OR PERFORMANCE OF THE SDK, WHETHER SUCH LIABILITY ARISES FROM ANY CLAIM BASED UPON BREACH OF CONTRACT, BREACH OF WARRANTY, TORT (INCLUDING NEGLIGENCE), PRODUCT LIABILITY OR ANY OTHER CAUSE OF ACTION OR THEORY OF LIABILITY. IN NO EVENT WILL NVIDIA'S AND ITS AFFILIATES TOTAL CUMULATIVE LIABILITY UNDER OR ARISING OUT OF THIS AGREEMENT EXCEED US\$10.00. THE NATURE OF THE LIABILITY OR THE NUMBER OF CLAIMS OR SUITS SHALL NOT ENLARGE OR EXTEND THIS LIMIT.

These exclusions and limitations of liability shall apply regardless if NVIDIA or its affiliates have been advised of the possibility of such damages, and regardless of whether a remedy fails its essential purpose. These exclusions and limitations of liability form an essential basis of the bargain between the parties, and, absent any of these exclusions or limitations of liability, the provisions of this Agreement, including, without limitation, the economic terms, would be

substantially different.

### 1.6. Termination

1. This Agreement will continue to apply until terminated by either you or NVIDIA as described below.
2. If you want to terminate this Agreement, you may do so by stopping to use the SDK.
3. NVIDIA may, at any time, terminate this Agreement if:
  - a. (i) you fail to comply with any term of this Agreement and the non-compliance is not fixed within thirty (30) days following notice from NVIDIA (or immediately if you violate NVIDIA's intellectual property rights);
  - b. (ii) you commence or participate in any legal proceeding against NVIDIA with respect to the SDK; or
  - c. (iii) NVIDIA decides to no longer provide the SDK in a country or, in NVIDIA's sole discretion, the continued use of it is no longer commercially viable.
4. Upon any termination of this Agreement, you agree to promptly discontinue use of the SDK and destroy all copies in your possession or control. Your prior distributions in accordance with this Agreement are not affected by the termination of this Agreement. Upon written request, you will certify in writing that you have complied with your commitments under this section. Upon any termination of this Agreement all provisions survive except for the license grant provisions.

### 1.7. General

If you wish to assign this Agreement or your rights and obligations, including by merger, consolidation, dissolution or operation of law, contact NVIDIA to ask for permission. Any attempted assignment not approved by NVIDIA in writing shall be void and of no effect. NVIDIA may assign, delegate or transfer this Agreement and its rights and obligations, and if to a non-affiliate you will be notified.

You agree to cooperate with NVIDIA and provide reasonably requested information to verify your compliance with this Agreement.

This Agreement will be governed in all respects by the laws of the United States and of the State of Delaware as those laws are applied to contracts entered into and performed entirely within Delaware by Delaware residents, without regard to the conflicts of laws principles. The United Nations Convention on Contracts for the International Sale of Goods is specifically disclaimed. You agree to all terms of this Agreement in the English language.

The state or federal courts residing in Santa Clara County, California shall have exclusive jurisdiction over any dispute or claim arising out of this Agreement. Notwithstanding this, you agree that NVIDIA shall still be allowed to apply for injunctive remedies or an equivalent type of urgent legal relief in any jurisdiction.

If any court of competent jurisdiction determines that any provision of this Agreement is illegal, invalid or unenforceable, such provision will be construed as limited to the extent necessary to be consistent with and fully enforceable under the law and the remaining provisions will remain in full force and effect. Unless otherwise specified, remedies are cumulative.

Each party acknowledges and agrees that the other is an independent contractor in the performance of this Agreement. The SDK has been developed entirely at private expense and is "commercial items" consisting of "commercial computer software" and "commercial computer software documentation" provided with RESTRICTED RIGHTS. Use, duplication or disclosure by the U.S. Government or a U.S. Government subcontractor is subject to the restrictions in this Agreement pursuant to DFARS 227.7202-3(a) or as set forth in subparagraphs (c)(1) and (2) of the Commercial Computer Software - Restricted Rights clause at FAR 52.227-19, as applicable. Contractor/manufacturer is NVIDIA, 2788 San Tomas Expressway, Santa Clara, CA 95051.

The SDK is subject to United States export laws and regulations. You agree that you will not ship, transfer or export the SDK into any country, or use the SDK in any manner, prohibited by the United States Bureau of Industry and Security or economic sanctions regulations administered by the U.S. Department of Treasury's Office of Foreign Assets Control (OFAC), or any applicable export laws, restrictions or regulations. These laws include restrictions on destinations, end users and end use. By accepting this Agreement, you confirm that you are not a resident or citizen of any country currently embargoed by the U.S. and that you are not otherwise prohibited from receiving the SDK.

Any notice delivered by NVIDIA to you under this Agreement will be delivered via mail, email or fax. You agree that any

notices that NVIDIA sends you electronically will satisfy any legal communication requirements. Please direct your legal notices or other correspondence to NVIDIA Corporation, 2788 San Tomas Expressway, Santa Clara, California 95051, United States of America, Attention: Legal Department.

This Agreement and any exhibits incorporated into this Agreement constitute the entire agreement of the parties with respect to the subject matter of this Agreement and supersede all prior negotiations or documentation exchanged between the parties relating to this SDK license. Any additional and/or conflicting terms on documents issued by you are null, void, and invalid. Any amendment or waiver under this Agreement shall be in writing and signed by representatives of both parties.

## 2. CUDA Toolkit Supplement to Software License Agreement for NVIDIA Software Development Kits

The terms in this supplement govern your use of the NVIDIA CUDA Toolkit SDK under the terms of your license agreement (“Agreement”) as modified by this supplement. Capitalized terms used but not defined below have the meaning assigned to them in the Agreement.

This supplement is an exhibit to the Agreement and is incorporated as an integral part of the Agreement. In the event of conflict between the terms in this supplement and the terms in the Agreement, the terms in this supplement govern.

### 2.1. License Scope

The SDK is licensed for you to develop applications only for use in systems with NVIDIA GPUs.

### 2.2. Distribution

The portions of the SDK that are distributable under the Agreement are listed in Attachment A.

### 2.3. Operating Systems

Those portions of the SDK designed exclusively for use on the Linux or FreeBSD operating systems, or other operating systems derived from the source code to these operating systems, may be copied and redistributed for use in accordance with this Agreement, provided that the object code files are not modified in any way (except for unzipping of compressed files).

### 2.4. Audio and Video Encoders and Decoders

You acknowledge and agree that it is your sole responsibility to obtain any additional third-party licenses required to make, have made, use, have used, sell, import, and offer for sale your products or services that include or incorporate any third-party software and content relating to audio and/or video encoders and decoders from, including but not limited to, Microsoft, Thomson, Fraunhofer IIS, Sisvel S.p.A., MPEG-LA, and Coding Technologies. NVIDIA does not grant to you under this Agreement any necessary patent or other rights with respect to any audio and/or video encoders and decoders.

### 2.5. Licensing

If the distribution terms in this Agreement are not suitable for your organization, or for any questions regarding this Agreement, please contact NVIDIA at [nvidia-compute-license-questions@nvidia.com](mailto:nvidia-compute-license-questions@nvidia.com).

### 2.6. Attachment A

The following CUDA Toolkit files may be distributed with Licensee Applications developed by you, including certain variations of these files that have version number or architecture specific information embedded in the file name - as an example only, for release version 9.0 of the 64-bit Windows software, the file `cuda64_90.dll` is redistributable.

Component	CUDA Runtime
Windows	<code>cuda64.dll</code> , <code>cuda64_static.lib</code> , <code>cuda64devrt.lib</code>
Mac OSX	<code>libcudart.dylib</code> , <code>libcudart_static.a</code> , <code>libcudadevrt.a</code>

Linux	libcudart.so, libcudart_static.a, libcudadevrt.a
Android	libcudart.so, libcudart_static.a, libcudadevrt.a
<b>Component</b>	<b>CUDA FFT Library</b>
Windows	cufft.dll, cufftw.dll, cufft.lib, cufftw.lib
Mac OSX	libcufft.dylib, libcufft_static.a, libcufftw.dylib, libcufftw_static.a
Linux	libcufft.so, libcufft_static.a, libcufftw.so, libcufftw_static.a
Android	libcufft.so, libcufft_static.a, libcufftw.so, libcufftw_static.a
<b>Component</b>	<b>CUDA BLAS Library</b>
Windows	cublas.dll, cublasLt.dll
Mac OSX	libcublas.dylib, libcublasLt.dylib, libcublas_static.a, libcublasLt_static.a
Linux	libcublas.so, libcublasLt.so, libcublas_static.a, libcublasLt_static.a
Android	libcublas.so, libcublasLt.so, libcublas_static.a, libcublasLt_static.a
<b>Component</b>	<b>NVIDIA "Drop-in" BLAS Library</b>
Windows	nvblas.dll
Mac OSX	libnvblas.dylib
Linux	libnvblas.so
<b>Component</b>	<b>CUDA Sparse Matrix Library</b>

Windows	cusparse.dll, cusparse.lib
Mac OSX	libcusparse.dylib, libcusparse_static.a
Linux	libcusparse.so, libcusparse_static.a
Android	libcusparse.so, libcusparse_static.a
<b>Component</b>	<b>CUDA Linear Solver Library</b>
Windows	cusolver.dll, cusolver.lib
Mac OSX	libcusolver.dylib, libcusolver_static.a
Linux	libcusolver.so, libcusolver_static.a
Android	libcusolver.so, libcusolver_static.a
<b>Component</b>	<b>CUDA Random Number Generation Library</b>
Windows	curand.dll, curand.lib
Mac OSX	libcurand.dylib, libcurand_static.a
Linux	libcurand.so, libcurand_static.a
Android	libcurand.so, libcurand_static.a
<b>Component</b>	<b>NVIDIA Performance Primitives Library</b>
Windows	nppc.dll, nppc.lib, nppial.dll, nppial.lib, nppicc.dll, nppicc.lib, nppicom.dll, nppicom.lib, nppidei.dll, nppidei.lib, nppif.dll, nppif.lib, nppig.dll, nppig.lib, nppim.dll, nppim.lib, nppist.dll, nppist.lib, nppisu.dll, nppisu.lib, nppitc.dll, nppitc.lib, npps.dll, npps.lib

Mac OSX	libnppc.dylib, libnppc_static.a, libnppial.dylib, libnppial_static.a, libnppicc.dylib, libnppicc_static.a, libnppicom.dylib, libnppicom_static.a, libnppidei.dylib, libnppidei_static.a, libnppif.dylib, libnppif_static.a, libnppig.dylib, libnppig_static.a, libnppim.dylib, libnppisu_static.a, libnppitc.dylib, libnppitc_static.a, libnpps.dylib, libnpps_static.a
Linux	libnppc.so, libnppc_static.a, libnppial.so, libnppial_static.a, libnppicc.so, libnppicc_static.a, libnppicom.so, libnppicom_static.a, libnppidei.so, libnppidei_static.a, libnppif.so, libnppif_static.a, libnppig.so, libnppig_static.a, libnppim.so, libnppim_static.a, libnppist.so, libnppist_static.a, libnppisu.so, libnppisu_static.a, libnppitc.so, libnppitc_static.a, libnpps.so, libnpps_static.a
Android	libnppc.so, libnppc_static.a, libnppial.so, libnppial_static.a, libnppicc.so, libnppicc_static.a, libnppicom.so, libnppicom_static.a, libnppidei.so, libnppidei_static.a, libnppif.so, libnppif_static.a, libnppig.so, libnppig_static.a, libnppim.so, libnppim_static.a, libnppist.so, libnppist_static.a, libnppisu.so, libnppisu_static.a, libnppitc.so, libnppitc_static.a, libnpps.so, libnpps_static.a
<b>Component</b>	<b>NVIDIA JPEG Library</b>
Windows	nvjpeg.lib, nvjpeg.dll
Linux	libnvjpeg.so, libnvjpeg_static.a
<b>Component</b>	<b>Internal common library required for statically linking to cuBLAS, cuSPARSE, cuFFT, cuRAND, nvJPEG and NPP</b>
Mac OSX	libculibos.a
Linux	libculibos.a
<b>Component</b>	<b>NVIDIA Runtime Compilation Library and Header</b>
All	nrtc.h
Windows	nrtc.dll, nrtc-builtins.dll
Mac OSX	libnrtc.dylib, libnrtc-builtins.dylib
Linux	libnrtc.so, libnrtc-builtins.so

<b>Component</b>	<b>NVIDIA Optimizing Compiler Library</b>
Windows	nvvm.dll
Mac OSX	libnvvm.dylib
Linux	libnvvm.so
<b>Component</b>	<b>NVIDIA Common Device Math Functions Library</b>
Windows	libdevice.10.bc
Mac OSX	libdevice.10.bc
Linux	libdevice.10.bc
<b>Component</b>	<b>CUDA Occupancy Calculation Header Library</b>
All	cuda_occupancy.h
<b>Component</b>	<b>CUDA Half Precision Headers</b>
All	cuda_fp16.h, cuda_fp16.hpp
<b>Component</b>	<b>CUDA Profiling Tools Interface (CUPTI) Library</b>
Windows	cupti.dll
Mac OSX	libcupti.dylib
Linux	libcupti.so

<b>Component</b>	<b>NVIDIA Tools Extension Library</b>
Windows	nvToolsExt.dll, nvToolsExt.lib
Mac OSX	libnvToolsExt.dylib
Linux	libnvToolsExt.so
<b>Component</b>	<b>NVIDIA CUDA Driver Libraries</b>
Linux	libcuda.so, libnvidia-ptxjitcompiler.so, libnvptxcompiler_static.a
<b>Component</b>	<b>NVIDIA CUDA File IO Libraries and Header</b>
All	cufile.h
Linux	libcufile.so, libcufile_rdma.so, libcufile_static.a, libcufile_rdma_static.a

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ANGLE Library, version chromium/3280

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Used on Windows to implement OpenGL ES on top of DirectX. Configure with -no-opengl, or -opengl desktop to exclude.

The sources can be found in src/3rdparty/angle.

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ANGLE: Array Bounds Clamper for WebKit

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The sources can be found in src/3rdparty/angle/src/third\_party/compiler.

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ANGLE: trace\_event

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Efficient Binary-Decimal and Decimal-Binary Conversion Routines for IEEE Doubles, version 3.1.5

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Easing Equations by Robert Penner

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Used in Qt Core (QEasingCurve).

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forkfd

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Used on most Unix platforms in Qt Core.

The sources can be found in `src/3rdparty/forkfd/forkfd.c`, `src/3rdparty/forkfd/forkfd.h`, and `src/3rdparty/forkfd/forkfd_gcc.h`.

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FreeBSD strtoll and strtoull, version 18b29f3fb8abee5d57ed8f4a44f806bec7e0eeff

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strtoll() and strtoull() are functions for converting a string to (unsigned) long long integer.

Used in Qt Core.

The sources can be found in `src/3rdparty/freebsd/strtoll.c` and `src/3rdparty/freebsd/strtoull.c`.

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ASM: a very small and fast Java bytecode manipulation framework

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com.googlecode.plist:dd-plist

dd-plist - An open source library to parse and generate property lists

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The sources can be found in `src/3rdparty/harfbuzz`.

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HarfBuzz-NG, version 7.2.0

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IAccessible2 IDL Specification, version 1.3.0

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IAccessible2 is a new accessibility API which complements Microsoft's earlier work on MSAA

Optionally used in the Windows platform plugin. Configure with `-no-accessibility` to avoid.

The sources can be found in `src/3rdparty/iaccessible2`.

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#### MD5

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MD5 message-digest algorithm.

Used in Qt Core (QCryptographicHash). Configure with `-DQT_CRYPTOGRAPHICHASH_ONLY_SHA1` to avoid.

The sources can be found in `src/3rdparty/md5`.

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PCRE2, version 10.42

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The PCRE library is a set of functions that implement regular expression pattern matching using the same syntax and semantics as Perl 5.

Optionally used in Qt Core (QRegularExpression). Configure with `-system-pcre` or `-no-pcre` to avoid.

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STACK-LESS JUST-IN-TIME COMPILER  
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PCRE2 - Stack-less Just-In-Time Compiler, version 10.42

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The PCRE library is a set of functions that implement regular expression pattern matching using the same syntax and semantics as Perl 5.

Optionally used in Qt Core (QRegularExpression). Configure with `-system-pcre` or `-no-pcre` to avoid.

The sources can be found in `src/3rdparty/pcre2/src/sljit`.

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Pixman, version 0.17.12

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Secure Hash Algorithms SHA-384 and SHA-512

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Secure Hash Algorithm SHA-1

Public Domain

Implements the Secure Hash Algorithms SHA 1

Used in Qt Core (QCryptographicHash).

The sources can be found in src/3rdparty/sha1.

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Secure Hash Algorithm SHA-3 - brg\_endian, version <https://github.com/BrianGladman/sha/> commit 4b9e13ead2c5b5e41ca27c65de4dd69ae0bac228

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SHA-3, originally known as Keccak, is a cryptographic hash function.

Used in Qt Core (QCryptographicHash).

The sources can be found in `src/3rdparty/sha3/brg_endian.h`.

upstream version: <https://github.com/BrianGladman/sha/> commit 4b9e13ead2c5b5e41ca27c65de4dd69ae0bac228

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Secure Hash Algorithm SHA-3 - Keccak, version 3.2

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SHA-3, originally known as Keccak, is a cryptographic hash function.

Used in Qt Core (QCryptographicHash).

The sources can be found in `src/3rdparty/sha3/KeccakF-1600-32-rvk.macros`, `src/3rdparty/sha3/KeccakF-1600-32.macros`, `src/3rdparty/sha3/KeccakF-1600-64.macros`, `src/3rdparty/sha3/KeccakF-1600-interface.h`, `src/3rdparty/sha3/KeccakF-1600-opt32.c`, `src/3rdparty/sha3/KeccakF-1600-opt64.c`, `src/3rdparty/sha3/KeccakF-1600-unrolling.macros`, `src/3rdparty/sha3/KeccakNISTInterface.c`, `src/3rdparty/sha3/KeccakNISTInterface.h`, `src/3rdparty/sha3/KeccakSponge.c`, and `src/3rdparty/sha3/KeccakSponge.h`.

upstream version: 3.2

Guido Bertoni, Joan Daemen, Michaël Peeters and Gilles Van Assche.

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SQLite, version 3.42.0

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SQLite is a small C library that implements a self-contained, embeddable, zero-configuration SQL database engine.

Used in Qt SQL Lite plugin. Configure Qt with `-system-sqlite` or `-no-sqlite` to avoid.

The sources can be found in `src/3rdparty/sqlite`.

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TinyCBOR, version 0.6+patches

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Vulkan Memory Allocator, version 2.2.0

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Vulkan Memory Allocator

Memory management for the Vulkan backend of QRhi.

The sources can be found in `src/3rdparty/VulkanMemoryAllocator`.

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Wintab API

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Wintab is a de facto API for pointing devices on Windows.

Used in the Qt platform plugin for Windows. Configure with `-no-feature-tabletevent` to avoid.

The sources can be found in `src/3rdparty/wintab`.

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XCB-XInput

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XInput 2 extension for XCB (The X protocol C-language Binding) library.

Used in XCB platform plugin if xcb-xinput was not present on the system during Qt configuration or `-bundled-xcb-xinput` switch was used. To force using xcb-xinput from the system, pass `-no-bundled-xcb-xinput`.

The sources can be found in `src/3rdparty/xcb`.

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Data Compression Library (zlib), version 1.2.13

zlib License

zlib is a general purpose data compression library.

Optionally used in Qt Core and development tools. Configure with `-system-zlib` to avoid.

The sources can be found in `src/3rdparty/zlib`.

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## 104 QT – 6.5.4

Native Style for Android

Apache License 2.0

Used in Android platform plugin.

The sources can be found in src/3rdparty/android.

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ANGLE Library, version chromium/3280

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The ANGLE library translates OpenGL ES API calls to hardware-supported APIs.

Used on Windows to implement OpenGL ES on top of DirectX. Configure with -no-opengl, or -opengl desktop to exclude.

The sources can be found in src/3rdparty/angle.

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ANGLE: Array Bounds Clamper for WebKit

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Implements clamping of array indexing expressions during shader translation.

Used on Windows to implement OpenGL ES on top of DirectX. Configure with -no-opengl, or -opengl desktop to exclude.

The sources can be found in src/3rdparty/angle/src/third\_party/compiler.

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ANGLE: Murmurhash

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The sources can be found in `src/3rdparty/angle/src/third_party/murmurhash`.

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forkfd

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Used on most Unix platforms in Qt Core.

The sources can be found in `src/3rdparty/forkfd/forkfd.c`, `src/3rdparty/forkfd/forkfd.h`, and `src/3rdparty/forkfd/forkfd_gcc.h`.

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FreeBSD strtoll and strtoull, version 18b29f3fb8abee5d57ed8f4a44f806bec7e0eeff

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strtoll() and strtoull() are functions for converting a string to (unsigned) long long integer.

Used in Qt Core.

The sources can be found in `src/3rdparty/freebsd/strtoll.c` and `src/3rdparty/freebsd/strtoull.c`.

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Optionally used in Qt GUI. Configure with `-system-harfbuzz` to force the use of the system library, or `-qt-harfbuzz` to link statically to the library that is bundled with your Qt version.

The sources can be found in `src/3rdparty/harfbuzz-ng`.

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IAccessible2 IDL Specification, version 1.3.0

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IAccessible2 is a new accessibility API which complements Microsoft's earlier work on MSAA

Optionally used in the Windows platform plugin. Configure with `-no-accessibility` to avoid.

The sources can be found in `src/3rdparty/iaccessible2`.

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MD4C, version 0.4.8  
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#### MD5

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MD5 message-digest algorithm.

Used in Qt Core (QCryptographicHash). Configure with `-DQT_CRYPTOGRAPHICHASH_ONLY_SHA1` to avoid.

The sources can be found in `src/3rdparty/md5`.

Written by Colin Plumb in 1993, no copyright is claimed.  
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PCRE2, version 10.42

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The PCRE library is a set of functions that implement regular expression pattern matching using the same syntax and semantics as Perl 5.

Optionally used in Qt Core (QRegularExpression). Configure with `-system-pcre` or `-no-pcre` to avoid.

The sources can be found in `src/3rdparty/pcre2`.

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#### THE BASIC LIBRARY FUNCTIONS

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Written by: Philip Hazel  
Email local part: Philip.Hazel  
Email domain: [gmail.com](mailto:philip.hazel@gmail.com)

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#### PCRE2 JUST-IN-TIME COMPILATION SUPPORT

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Written by: Zoltan Herczeg  
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#### STACK-LESS JUST-IN-TIME COMPILER

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PCRE2 - Stack-less Just-In-Time Compiler, version 10.42

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The PCRE library is a set of functions that implement regular expression pattern matching using the same syntax and semantics as Perl 5.

Optionally used in Qt Core (QRegularExpression). Configure with `-system-pcre` or `-no-pcre` to avoid.

The sources can be found in `src/3rdparty/pcre2/src/sljit`.

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Pixman, version 0.17.12

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Secure Hash Algorithms SHA-384 and SHA-512

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Implements the Secure Hash Algorithms SHA 1

Used in Qt Core (QCryptographicHash).

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Secure Hash Algorithm SHA-3 - brg\_endian, version <https://github.com/BrianGladman/sha/> commit 4b9e13ead2c5b5e41ca27c65de4dd69ae0bac228

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SHA-3, originally known as Keccak, is a cryptographic hash function.

Used in Qt Core (QCryptographicHash).

The sources can be found in `src/3rdparty/sha3/brg_endian.h`.

upstream version: <https://github.com/BrianGladman/sha/> commit 4b9e13ead2c5b5e41ca27c65de4dd69ae0bac228

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Secure Hash Algorithm SHA-3 - Keccak, version 3.2

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Used in Qt Core (QCryptographicHash).

The sources can be found in `src/3rdparty/sha3/KeccakF-1600-32-rvk.macros`, `src/3rdparty/sha3/KeccakF-1600-32.macros`, `src/3rdparty/sha3/KeccakF-1600-64.macros`, `src/3rdparty/sha3/KeccakF-1600-interface.h`, `src/3rdparty/sha3/KeccakF-1600-opt32.c`, `src/3rdparty/sha3/KeccakF-1600-opt64.c`, `src/3rdparty/sha3/KeccakF-1600-unrolling.macros`, `src/3rdparty/sha3/KeccakNISTInterface.c`, `src/3rdparty/sha3/KeccakNISTInterface.h`, `src/3rdparty/sha3/KeccakSponge.c`, and `src/3rdparty/sha3/KeccakSponge.h`.

upstream version: 3.2

Guido Bertoni, Joan Daemen, Michaël Peeters and Gilles Van Assche.

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SQLite, version 3.42.0

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SQLite is a small C library that implements a self-contained, embeddable, zero-configuration SQL database engine.

Used in Qt SQL Lite plugin. Configure Qt with `-system-sqlite` or `-no-sqlite` to avoid.

The sources can be found in `src/3rdparty/sqlite`.

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Vulkan Memory Allocator, version 2.2.0

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Vulkan Memory Allocator

Memory management for the Vulkan backend of QRhi.

The sources can be found in `src/3rdparty/VulkanMemoryAllocator`.

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Wintab API

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Wintab is a de facto API for pointing devices on Windows.

Used in the Qt platform plugin for Windows. Configure with `-no-feature-tabletevent` to avoid.

The sources can be found in `src/3rdparty/wintab`.

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XCB-XInput

MIT License

XInput 2 extension for XCB (The X protocol C-language Binding) library.

Used in XCB platform plugin if xcb-xinput was not present on the system during Qt configuration or `-bundled-xcb-xinput` switch was used. To force using xcb-xinput from the system, pass `-no-bundled-xcb-xinput`.

The sources can be found in `src/3rdparty/xcb`.

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Data Compression Library (zlib), version 1.2.13

zlib License

zlib is a general purpose data compression library.

Optionally used in Qt Core and development tools. Configure with `-system-zlib` to avoid.

The sources can be found in `src/3rdparty/zlib`.

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## 105 QWT – 6.1.3

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## 106 QWT – 6.2.0

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## 107 QWT – 6.3.0

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Version 1.0, January 1, 2003

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```

```
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Ty Coon, President of Vice
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## 121 Zlib – 1.2.11

zlib.h -- interface of the 'zlib' general purpose compression library  
version 1.2.11

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