Hetero Streams Library Porting Guide: Intel® MPSS 3.6 to Hetero Streams Library 1.0

March 2016

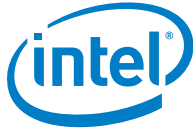# *Legal Disclaimer*

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Contents

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1   *Purpose and Scope*

The purpose of this document is to assist users who created code based on the Intel® MPSS 3.6 version of hStreams, and want to port it to 1.0 version of the Hetero Streams Library (later called hStreams) version. Users who are starting the use of hStreams afresh can safely ignore this document.

Please see related documentation:
- hStreams_Reference.pdf – heteroStreams Programming Guide and API Reference
- hStreams_Overview.pdf – basic overview of the product and its purposes
- hStreams_Tutorial.pdf – overview of APIs, how to write apps, reference codes
- hStreams_Release_Notes.pdf – release notes for heteroStreams package

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2 Changes in Hetero Streams Library 1.0

2.1 Added Macros and Constants

- Related to new logging mechanism
    - o HSTR_LOG_LEVEL_VALUES

2.2 Changed Structures

- Related to new logging mechanism:
    - o HSTR_OPTIONS (a subset of members marked as deprecated)
    - o HSTR_INFO_TYPE (a subset of members marked as deprecated)
    - o HSTR_SEVERITY

2.3 Added Structures and Types

- Related to MKL 64 bits version availability:
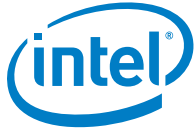   - o HSTR_MKL_INTERFACE

2.4 Renamed APIs

No APIs were renamed.

2.5 APIs Changed

- Related to MKL 64 bits version availability:
    - o hStreams_app_sgemm
    - o hStreams_app_dgemm
    - o hStreams_app_cgemm
    - o hStreams_app_zgemm

2.6 Added APIs

- Related to MKL 64 bits version availability:

- o hStreams_Cfg_SetMKLInterface

  - Related to new logging mechanism:

    - o hStreams_Cfg_SetLogLevel

    - o hStreams_Cfg_SetLogInfoType

2.7 Deprecated APIs

  - Related to new logging mechanism:

    - o hStreams_GetVerbose

    - o hStreams_SetVerbose

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