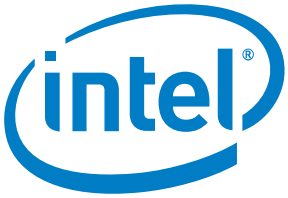

Deep Learning Accelerator Framework (DLAFS) 2020R3 Release Notes

30 October 2020

Version History/Revision History

These are the main releases of DLAFS:

Date	Revision	Description
30 October, 2020	2020R3	Update codebase to follow OpenVINO API changes and upgrade library versions to support Tiger Lake platforms.
30 June, 2020	2020R2	Add OpenVINO GPU plugin support.

Intended Audience

The intended audiences for the release note are ODMs/OEMs and other users that intend to evaluate, reference, reuse the Deep Learning Accelerator Framework for Stream (DLAFS).

Contents:

1 Introduction

This is the release notes for Deep Learning Accelerator Framework for Stream (DLAFS). It provides system requirements, feature descriptions and installation instructions.

To learn more about this product, see:

- New features listed in the New in this Release section below.
- Installation instructions can be found at: How to install the release section below.

2 New in This Release

New Features

N/A

Changes to Existing Features

- Update codebase to follow OpenVINO API changes.
- Upgrade library versions to support Tiger Lake platforms.

Unsupported or Discontinued Features

N/A

3 Fixed Issues

N/A

4 Known Issues

N/A

Non-Intel Issues

N/A

5 Related Documentation

N/A

6 Where to Find the Release

https://github.com/intel/dlafs

How to Install this Release

Step 0: (Optional) Install kernel lts-v5.4.49-yocto for Tiger Lake platforms.
Step 1: Install OpenVINO Toolkit 2020.4.287, don't install MediaSDK as a component.
Step 2: Install OpenCL SDK 2019.5.345
Step 3: Clone repository: git clone https://github.com/intel/dlafs; cd dlafs; git checkout 2020R3
Step 4: Install dependencies: cd dlafs/scripts/1.16.2; ./install_dependencies.sh
Step 5: (Optional) Install Intel Media Driver 20.1.1 for Tiger Lake platforms.
Step 6: Compile and install Gstreamer plugins: cd dlafs/scripts/1.16.2; ./compile_and_install.sh

7 Release Content

Source code released on Github: https://github.com/intel/dlafs, tagged by 2020R3.

8 Best Known Configuration

CPU	Intel(R) Core (TM) i7-1185GRE CPU
OS	Ubuntu 18.04.4
Kernel	lts-v5.4.49-yocto
OpenVINO	2020.4.287
OpenCL SDK	2019.5.345
Gstreamer	OpenVINO 2019.4.287
OpenCV	4.4.0-openvino with Intel VA support
JSON-C	f8c632f579c71012f9aca81543b880a579f634fc
Libva	2.8.0
Intel GMMLib	20.2.2
Intel Media Driver	20.1.1
Intel Media SDK	20.2.0
OpenCL Runtime	20.25.17111
Others	Installed by apt install

CPU	Intel(R) Core (TM) i7-8700K CPU Intel(R) Core (TM) i7-7700K CPU Intel(R) Core (TM) i7-6700K CPU
OS	Ubuntu 18.04.4
Kernel	5.3.0
OpenVINO	2020.4.287
OpenCL SDK	2019.5.345
Gstreamer	OpenVINO 2019.4.287
OpenCV	4.4.0-openvino with Intel VA support
JSON-C	f8c632f579c71012f9aca81543b880a579f634fc
Libva	2.8.0
Intel GMMLib	20.2.2
Intel Media Driver	20.2.0
Intel Media SDK	20.2.0
OpenCL Runtime	20.25.17111
Others	Installed by apt install

9 Hardware and Software Compatibility

- 6th Generation Intel® Core™ Processor Platform
- 7th Generation Intel® Core™ Processor Platform
- 8th Generation Intel® Core™ Processor Platform
- 11th Generation Intel® Core™ Processor Platform

10 Acronyms and Terms

The following acronyms and terms are used in this document (arranged in alphabetic order):

Acronyms/Terms	Description
DLAFS	Deep Learning Accelerator Framework
GStreamer	A pipeline-based multimedia framework that links together a wide variety of media processing systems to complete complex workflows.
MSDK	Intel Media SDK
DL	Deep Learning
HDDL	High Density Deep Learning
HW	Hardware
IE	Inference Engine
IR	Intermediate Presentation, input format for IE
OpenVINO™	https://software.intel.com/en-us/openvino-toolkit Open Visual Inference & Neural Network Optimization. Open VINO Toolkits (formerly the Intel® Computer Vision SDK) bases on convolutional neural networks (CNN), the toolkit extends workloads across Intel® hardware and maximizes performance.
SW	Software
OMZ	Open Model Zoo