Intel® Data Analytics Acceleration Library (Intel® DAAL) 2019 Release Notes

12 Sep, 2018

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Overview

This page provides the current Release Notes for Intel® Data Analytics Acceleration Library. The notes are categorized by year, from newest to oldest, with individual releases listed within each year.

Please click on the following links to the online resources and documents to get the latest information about Intel DAAL:

- [Intel® DAAL Product Page](#)
- [Intel® DAAL 2019 System Requirements](#)
- [Intel® DAAL 2019 Installation Guide](#)
- [Intel® DAAL Get Started](#)

This document has been updated to reflect new product functionality and quality enhancements. The document usability and clarity were improved.
Please register your product using your preferred email address. This helps Intel recognize you as a valued customer in the support forum and ensures that you will be notified of product updates. You can read the Intel Privacy Policy if you have any questions regarding the use of your email address.

**What’s New in Intel® DAAL 2019**

- Implemented logistic regression classification algorithm.
- Implemented cross-entropy and logistic loss objective functions.
- Added new distribution model via Java MAVEN, which helps JAVA developers to simplify the process of getting and building projects with Intel® DAAL usage.
- Extended traversal API to return additional data from decision tree, decision forest, and gradient boosting models.
- Boosted machine learning and data analytics performance in EM-GMM, sparse SVM training (linear kernel), logit boost training, gradient boosting prediction and others.

**Deprecation Notes**

Deprecation of the following features:

- 32bit library for Mac OS* is deprecated in this release and will be removed in the next release.

Removal of support for:

- Installation on 32-bit hosts for all types of OS is no longer supported. However, the 32-bit library (for Windows* and Linux*) continues to exist, and can be used on 64-bit hosts.

**System Requirements**

For information about the Intel® DAAL system requirements, please visit the Intel® DAAL 2019 System Requirements page.

**Documentation**

Intel® DAAL documentation including Developer Guide and API Reference are available online at Intel® Software Documentation Library. You can also download it from the Intel® Software Development Products Registration Center > Product List > Intel® Parallel Studio XE (or Intel® System Studio) Documentation.
Product Contents

Intel® DAAL for Windows, Linux OS, and macOS is provided as a part of Intel® Parallel Studio XE and Intel® System Studio product. It is also available from free Intel® performance libraries program:

- Installation package only supports 64-bit host system. It includes both the 64-bit and 32-bit target libraries.
- Installation package also provides the online installer (Windows* and Linux* OS) that downloads materials chosen during installation

Technical Support

If you did not register your Intel® software product during installation, please do so now at the Intel® Software Development Products Registration Center. Registration entitles you to free technical support, product updates and upgrades for the duration of the support term.

For technical information about Intel® DAAL, including FAQ's, tips and tricks, and other support information, please visit the Intel® DAAL forum: https://software.intel.com/en-us/forums/intel-data-analytics-acceleration-library and browse the Intel® DAAL support page: https://software.intel.com/en-us/intel-daal-support

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Notice revision #20110804