AC Machine Learning Release Notes

Software Version v1.0.3

March 2021

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Release 1.0.3

The following topics describes the changes that were made to the *Algorithmic C Machine Learning* (*AC ML)* library since the last release.

Enhancements

N/A

Corrected Issues

Added DPRAM.h memory model.

Release 1.0.2

The following topics describes the changes that were made to the *Algorithmic C Machine Learning* (*AC ML)* library since the last release.

Enhancements

N/A

Corrected Issues

Added in several files that were missing from the distribution.

Note that the data file holding the kernel weights is a gzip-compressed file to work with github. The Makefiles will copy all data files to the current directory (and unzip) before running.

Release 1.0.1

The following topics describes the changes that were made to the *Algorithmic C Machine Learning* (*AC ML)* library since the last release.

Enhancements

A C-Shell script ‘set_vars.csh’ has been added. Sourcing this script in your shell will download/build all of the open-source projects required to compile and simulate the DVCON_2021 reference design example.

Corrected Issues

The following bugs were fixed:

- N/A

Release 1.0.0

The following topics describes the changes that were made to the *Algorithmic C Machine Learning* (*AC ML)* library since the last release. This release is the first release of this library and contains a reference design showing ML implemented in C++ with SystemC MatchLib interfaces.

Enhancements

N/A

Corrected Issues

N/A

Supported Compilers

The AC Machine Learning package requires a C++ compiler that supports the C++11 or newer language standard.