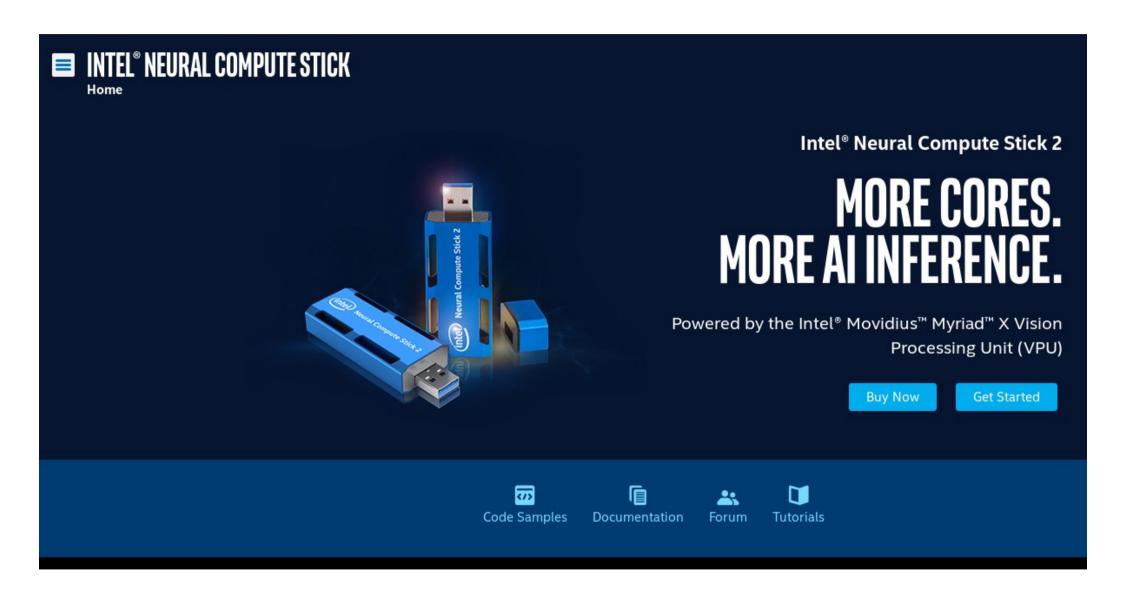
CSAT Pôle ITT

03.12.2018

Edge computing with the Intel Neural Compute Stick 2 (NCS2)

computer vision, machine learning

Bogdan Vulpescu





Install the Intel® Distribution of OpenVINO™ toolkit with FPGA Support

By Deanne Deuermeyer (Intel), Andrey Z. (Intel), AMY R. (Intel), Fritz B. (Intel), published on May 8, 2018, updated November 14, 2018 Translate

Introduction

The Intel® Distribution of OpenVINO™ toolkit quickly deploys applications and solutions that emulate human vision. Based on Convolutional Neural Networks (CNN), the toolkit extends computer vision (CV) workloads across Intel® hardware, maximizing performance. The Intel Distribution of OpenVINO toolkit includes the Intel® Deep Learning Deployment Toolkit (Intel® DLDT).

The Intel Distribution of OpenVINO toolkit for Linux* with FPGA Support:

- Enables CNN-based deep learning inference on the edge
- Supports heterogeneous execution across Intel® CPU, Intel® Integrated Graphics, Intel® FPGA, Intel® Movidius™ Neural Compute Stick and Intel® Neural Compute Stick 2
- Speeds time-to-market via an easy-to-use library of computer vision functions and pre-optimized kernels
- Includes optimized calls for computer vision standards including OpenCV*, OpenCL™, and OpenVX*

