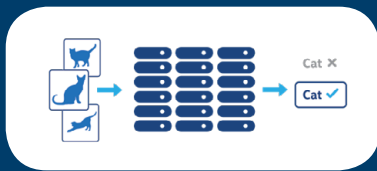# Intel® DevCloud for the Edge
Your Sandbox for Intelligence at the Edge

Save time and lower costs with a cloud-hosted hardware and software platform specifically designed for developers, researchers, and startups that are creating next-generation AI and vision solutions.

intel®

Develop, test, and run your workloads on Intel® DevCloud for the Edge—a cluster of the latest Intel® hardware and software. With integrated Intel® optimized frameworks, tools, and libraries, plus a preinstalled, preconfigured version of the Intel® Distribution of OpenVINO™ toolkit, you'll have everything you need to innovate at the edge.

Avoid unnecessary capital expenditures, waiting for shipments to arrive, or complicated setups; Intel DevCloud for the Edge is available worldwide with an internet connection. Developers get immediate access to the most current inferencing technologies Intel has to offer with real-time performance feedback.
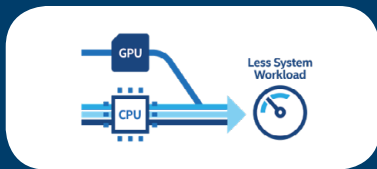
- Access reference implementations and pretrained models
- Prototype on the latest hardware and software so your design is future-ready
- Benchmark your customized vision and AI applications
- Reduce development time and costs
- Explore real-world workloads and hardware acceleration solutions

Deep learning for computer vision

Traditional computer vision

Hardware acceleration

Inference performance comparison

Benefits to developers

Use Intel DevCloud for the Edge to test and benchmark AI models across multiple platforms in real time—anywhere in the world using just an internet connection. Ensure performance, throughput, and latency requirements are met and eliminate hardware choice paralysis due to the plethora of in-market platforms. In addition, developers can expand their skills and experiment with state-of-the-art cluster capabilities, such as natural language processing and time-series analysis running on edge acceleration hardware.

Benefits to business decision-makers

Save time and prevent overspending with the right hardware to meet business metrics and the ability to try before buying edge and AI solutions. Reduce development time and costs by being able to scale across a wide range of use cases.

WHAT'S AVAILABLE IN THE INTEL DEVCLOUD FOR THE EDGE ENVIRONMENT

- Latest Intel hardware
- Intel-optimized frameworks
- Latest computer vision tools
- 50 GB of file storage

Hardware
Intel® Core™ processors
Intel® Xeon® Scalable processors
Intel® IoT developer kits
Intel® Neural Compute Stick
Intel® Processor Graphics
Image processing units
Intel® FPGAs
Intel® Vision Accelerator Design
Intel® Movidius™ vision processing unit (VPU)

Frameworks
Intel® DevCloud for the Edge uses the latest version of the Intel® Distribution of OpenVINO™ toolkit and all the supported frameworks therein.

Intel® Software Tools
- Intel® Parallel Studio XE Cluster Edition
- Intel® System Studio
- Intel Distribution of OpenVINO toolkit
- Intel® Math Kernel Library for Deep Neural Networks (Intel® MKL-DNN)
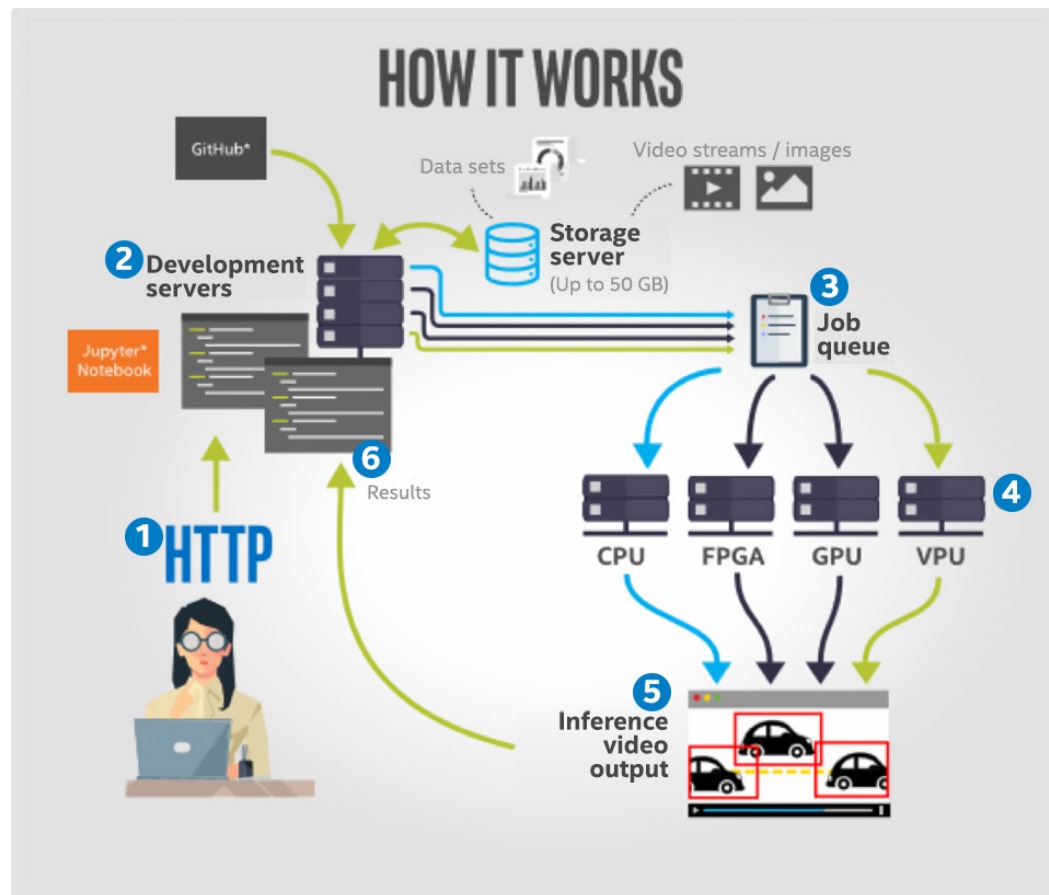
Topologies
Tiny YOLO version 3
Full DeepLab version 3
Bidirectional long short-term memory (LSTM)

Optimized API Calls
OpenCV
OpenCL
OpenVX

Support
Our team monitors the community forum Monday through Friday, 9:00 a.m.–5:00 p.m., PST.

HOW IT WORKS

Learn, evaluate, prototype, and profile using the latest heterogeneous edge-development environment for vision and AI.

Find out more at software.intel.com/en-us/devcloud/edge.

Sign up at software.intel.com/en-us/devcloud/edge/sign-up.