INTEL IOT DEVELOPER PRODUCTS AND PROGRAM

ACCELERATING IOT SOLUTION DESIGN AND DEPLOYMENT

Core and Visual Computing Group, Intel®

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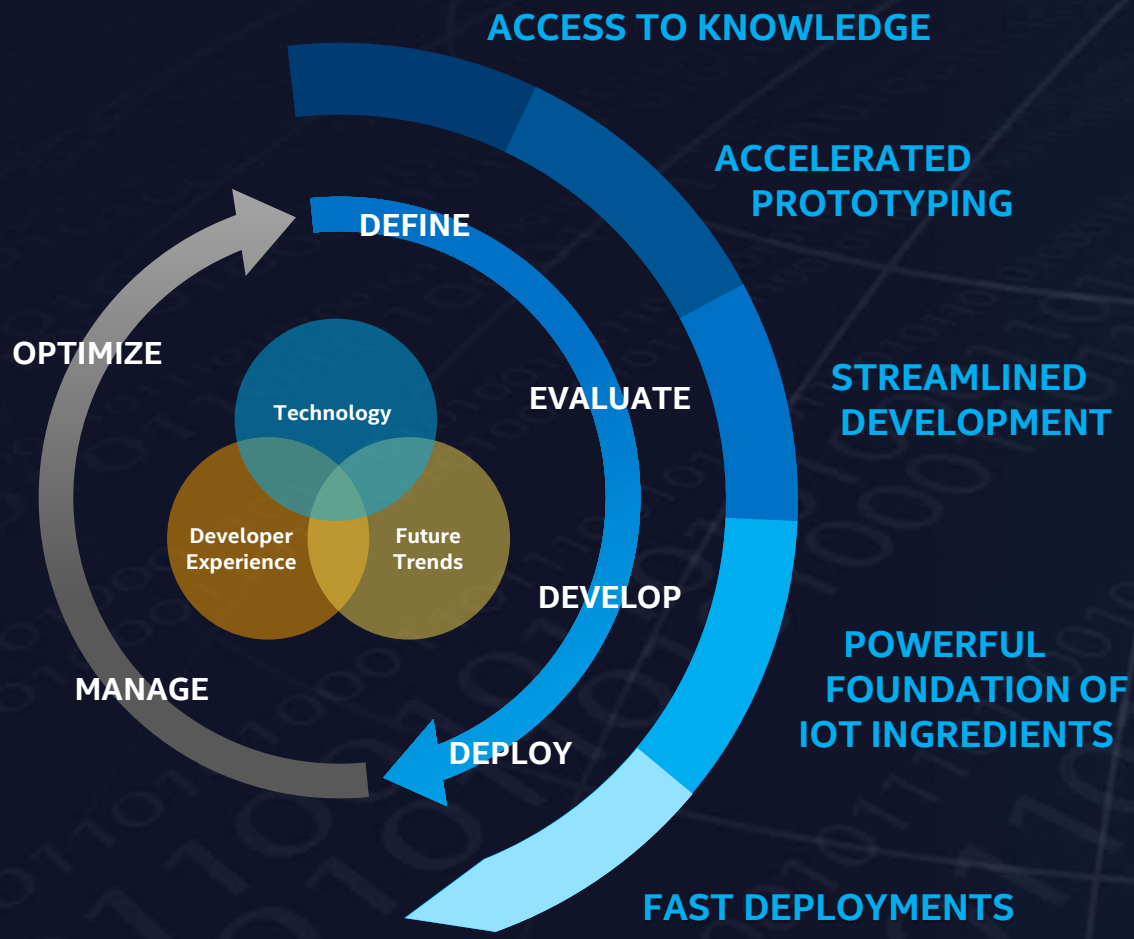
ENABLING NEW DEVELOPER OPPORTUNITIES

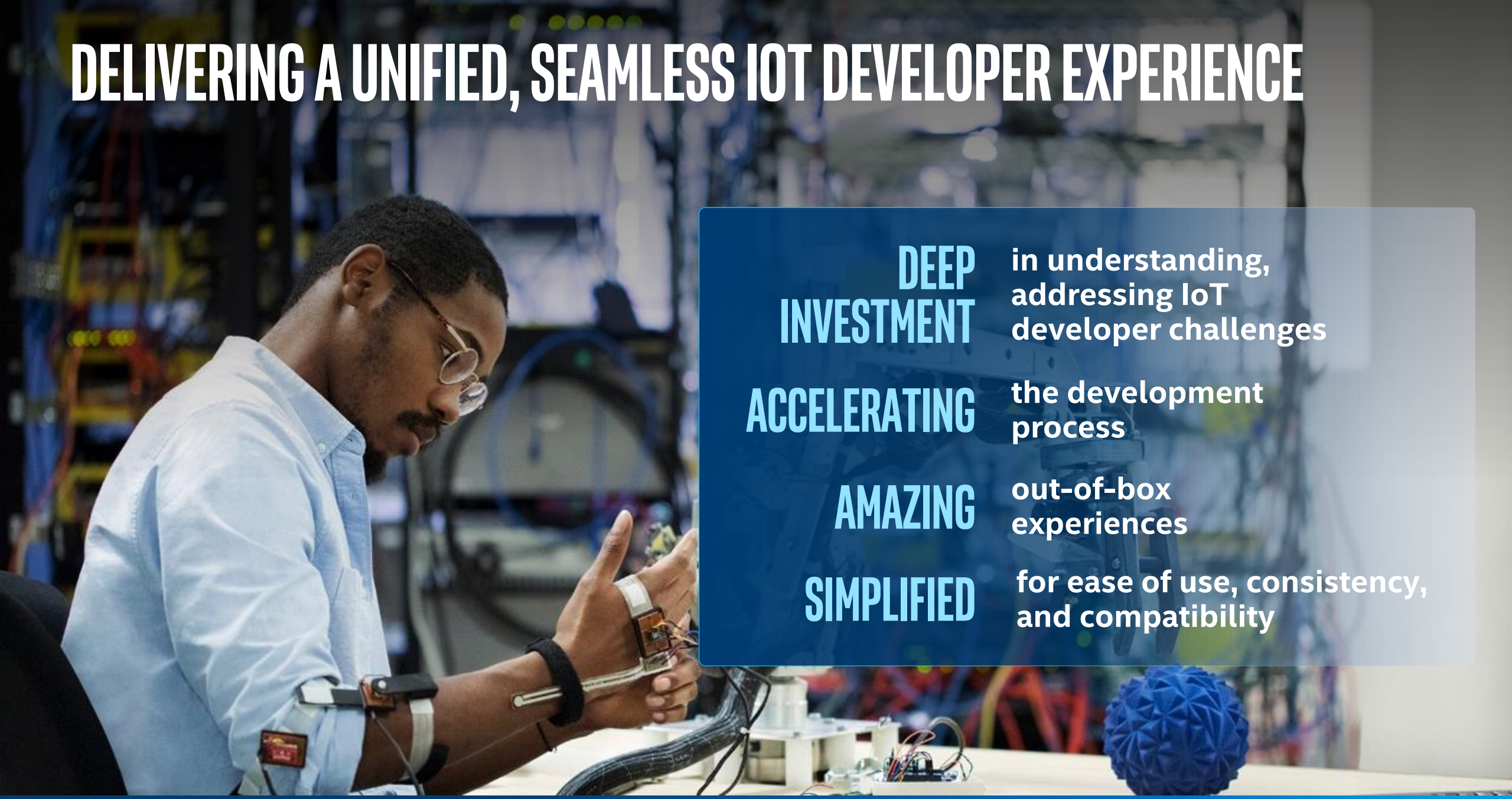
The Developer's Journey



What Intel Brings

- Common and seamless Developer experience
- Start to finish technologies for robust solutions
- Simplified path to develop and deploy products, systems, solutions
- Reusability, extensibility, portability, future proof

DELIVERING A UNIFIED, SEAMLESS IOT DEVELOPER EXPERIENCE



DEEP INVESTMENT in understanding, addressing IoT developer challenges

ACCELERATING the development process

AMAZING out-of-box experiences

SIMPLIFIED for ease of use, consistency, and compatibility

COMPREHENSIVE PORTFOLIO OF DEVELOPER RESOURCES

TOOLS

ARDUINO CREATE

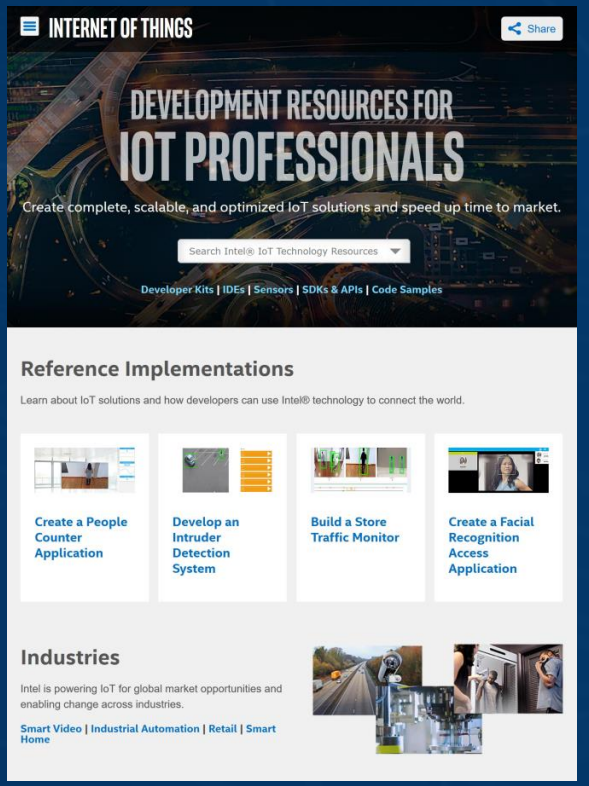
intel SYSTEM STUDIO

KITS

SDKS

- OpenVINO™ Toolkit
- Intel® Media SDK and Intel® Media Server Studio
- Intel® SDK for OpenCL™ Applications
- Intel® Active Management Technology (AMT)
- mRAA/UPM

INTEL DEVELOPER ZONE



FAST PROTOTYPING AND RICH OPTIMIZATION WITH CHOICE OF TOOLS

- Rapid Prototyping
- Cloud-Based developer environment
- Easy Out of Box Experience
- Supports Intel based platforms running Linux

- For Production and Performance Optimization
- Easy Migration From Arduino Create*
- Integrates Analyzers and Debug Tools
- Leverages Sample Codes in the Kit

DEVELOPER KITS ACCELERATE DESIGN OF INNOVATIVE SOLUTIONS

UP2 GROVE IOT DEVELOPMENT KIT

- Versatile, broad prototype application
- Traditional computer vision – Non-inference based training/learning
- Basic essential components

UP2 AI VISION DEVELOPMENT KIT

- Light computer vision/deep learning applications (1-2 cameras)
- Conceptualization and early CV prototype development
- Optional accelerator options

IEI TANK AIOT DEVELOPMENT KIT

- Demanding computer vision/deep learning applications (multi-camera environments)
- Commercial production ready development
- Built-in scaled support for complex/parallel video streams

Reduced time to prototype, expedite path to productization, and designed for scalability and extensibility

All kits include the start-up essentials for a bootable development environment

SDKS—COMMON TOOLS FOR HETEROGENOUS SILICON DEVELOPMENT

OPENVINO™ TOOLKIT

Accelerate Computer Vision, Integrate Deep Learning Inference

INTEL® MEDIA SDK AND INTEL® MEDIA SERVER STUDIO

Deliver Fast, High-Density Video and Image Processing

INTEL® SDK FOR OPENCL™ APPLICATIONS

Customize Solutions, Optimize Compute with Intel® Graphics

INTEL® ACTIVE MANAGEMENT TECHNOLOGY (AMT)

Remotely access a device to discover, activate, monitor, protect, and manage it independent of its power state

MRAA/ UPM

Easy, standardized connection and interface to over 400 to devices and sensors

INTEL DEVELOPER ZONE FOR IOT:

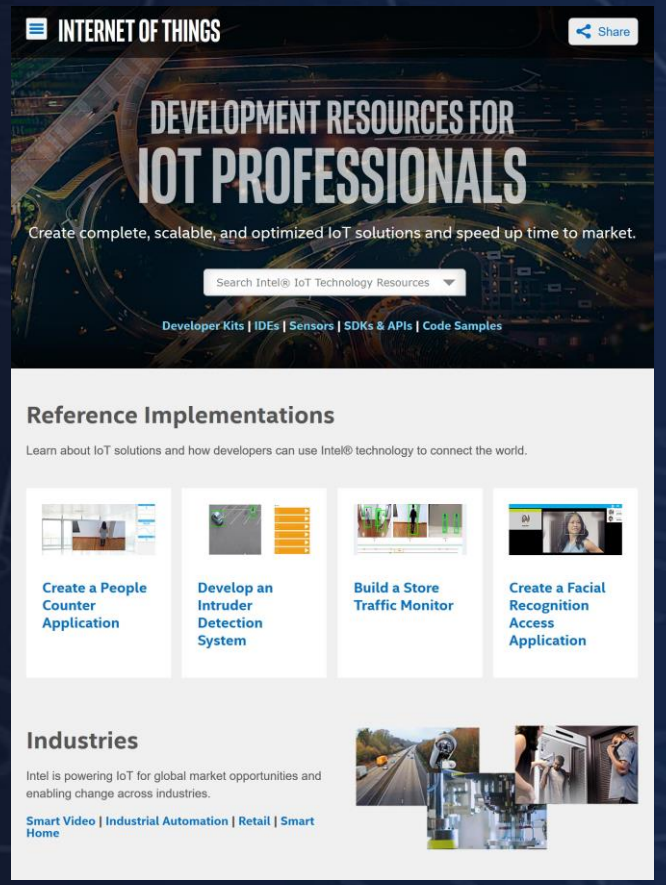
CENTRAL RESOURCE FOR E2E SOLUTION SUPPORT

Training, How-Tos, Documentation, Forums, Support

Development Kits, SDKs, Libraries, Sensor Drivers, APIs, Tools

Code Samples and Tutorials, End-to-End Reference Implementations

Guides for Productization and Commercialization



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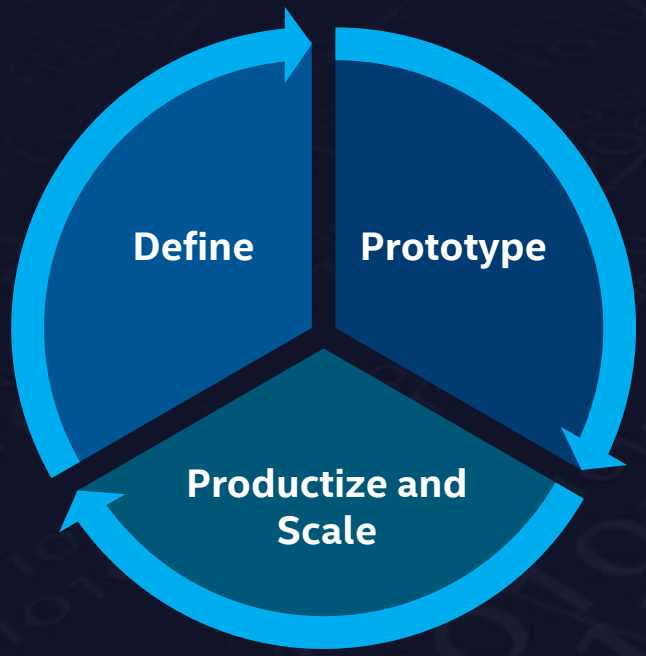
ENGAGING THROUGH ALL PHASES OF DEVELOPMENT



EVENTS

Virtual/Tradeshows
(Global IoT DevFest)

WORKSHOPS

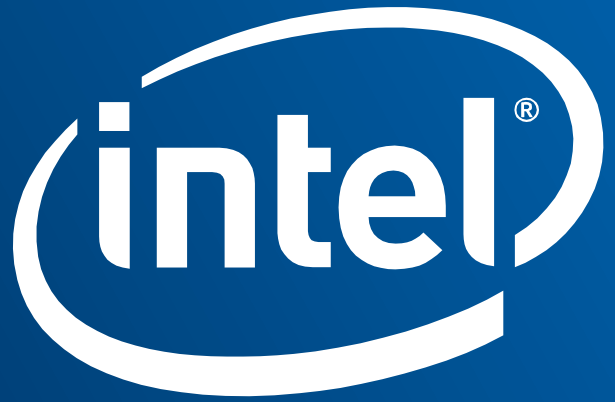
Hands-On Training

PROMOTION

Showcase Reference Implementations
IoT Innovators sharing Expertise

ENGAGEMENTS

ISV Engagement
App Enablement
Architecture Conversion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