Partner Expo
Event Schedule

aka.ms/WinHEC2018
WinHEC Events

The Windows Hardware Engineering Community (WinHEC) is where experts from around the world come together to make Windows devices great for customers. WinHEC provides events and online content designed to help educate, facilitate the exchange of ideas, and give people a venue to share best practices and discuss future opportunities.

WinHEC Online

WinHEC Online - Spring 2018

Enabling our hardware ecosystem partners to design, build, manufacture, and test Windows devices and peripherals is critical to our success. We have created WinHEC Online to share information and help our hardware partners deliver Windows devices, peripherals, and systems that meet the latest Windows updates. Thank you for taking the time to check out WinHEC Online. For more information, please contact us.

WinHEC Online & Windows 10 April 2018 Update

Mark Radiant talks about the Windows 10 April 2018 Update and introduces WinIOT, online where our hardware ecosystem partners can find more information about the update.

Watch video > View slides >

Windows 10 in S mode

We launched Windows 10 S with the Creators Update and are continuing to enhance the experience. This video gives an overview of the updates to help you plan and develop high-quality devices.

Watch video > View slides >

Windows Defender Security Center Updates

The Windows Defender Security Center makes it easy to view and manage security settings and device health from a single location. Learn how to enable new security features in the Windows 10 April 2018 Update.

Watch video > View slides >

Download Presentations and Sessions

www.winhec.com
Keynote

Erin Chapple
CVP Program Management
Mission

Empower every person and every organization on the planet to achieve more.

Our World View

Intelligent Edge
Intelligent Cloud
Ubiquitous computing

Data & Artificial Intelligence

Multi-sense, multi-device experiences

Intelligent Cloud

Intelligent Edge
Ubiquitous computing

Data & Artificial Intelligence

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WinHEC Tracks

Building the Intelligent Edge from Server to Sensor

Intelligent Edge
Azure IoT and Intelligent Edge Devices
Building IoT devices for easy integration with Azure
Azure Sphere
Modern Industry with Drones

Always Connected PC
Simple and Fast Connectivity
Convenient Data Plans
Secure Devices Customers Love

Windows Server
Hybrid Cloud Security
Application Platform
Azure Inspired Infrastructure

Security
Intelligent security, built-in
Microsoft-verified security
Platform-level security

Fundamentals & Experiences
All-day battery life
Windows as a service
Modernizing deployment
Performance
Inking

HBI: Microsoft Confidential
For WinHEC 2018
Shared under NDA
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Secured MCU IOT
- Azure Sphere
  - MT3620

SoC & Smart Sensors
- Vision AI Development Kit
  - Aaeon Pico-IMX6
  - Advantech RSB-4411
  - VIA VAB-820

Gateway
- Advantech RS-4411

PC Devices
- Acer Swift 7
- Dell Inspiron 7000
- HP Spectre Folio 13
- Lenovo C630

Windows Server 2019
- Quanta T21P-4U

Low cost | Low capability

High cost | High capability

Intelligent Edge

Azure
Sessions
- Azure IoT and Intelligent Edge devices
- Azure Certified for IoT device program and test kit
- Secure and power the intelligent edge with Azure Sphere

Lab
- Windows Machine Learning
- Windows 10 IoT Core Device Development
- Develop your first Azure Sphere application
- Vision AI DevKit
Secure and power intelligent edge to cloud.
Sessions

Building and leveraging the next generation of Connected Devices

Windows 10 on ARM for Driver Developers
Connectivity Transforms Work and Life

**Today**

**Creativity & Teamwork**
- Reliance on Wi-Fi at fixed locations

**Simplicity**
- End users and IT maintain the network

**Security**
- Increased concerns around security threats

**Vision**

**Any Device, Any Place**
Mobile connectivity drives a cultural shift enabling individuals and teams to be creative and productive across devices anywhere.

**Network as a Service**
5G allows customers to move network infrastructure “to the cloud” and reduce capital expenses and operating costs.

**Always Secure and Trusted Connectivity**
Easy access to fast, reliable cellular networks enables safe connectivity everywhere, bypassing untrusted networks and leveraging cloud-based security technologies.
Always Connected Commitments

- Always Connected PC Collection
- Mobile Plans App (Consumer eSIM)
- Enterprise eSIM and Management
- New PC and Phone Experiences
Windows Server

Sessions

Lab
Windows Server 2019 Admin Center
Microsoft Azure

Hybrid Datacenter

Windows Server/WSSD
SQL/.NET/Containers

On-premises

Azure Stack

Hybrid Cloud
Windows Server 2019

Generally available in October.

Hybrid
Hyper-converged Infrastructure
Security
Application Innovation

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Sessions

Windows 10 Device Security and Services
Windows 10 in S mode
Intelligent Security, Built-In

- Latest Protection from Advanced Threats
- Policy Options to Further Harden the Platform
- Powered by the Intelligent Security Graph
Windows 10 in S mode
Streamlined for security and superior performance

- Microsoft-Verified Security
- Performance that Lasts
- On a Range of Modern Devices
- Choice and Flexibility
Modern Servicing

Mark Doran
Intel Fellow
Chief Platform Software Architect
Staying Secure

- Attackers take advantage of periods between releases
- Stay ahead of the attackers with continual software improvements
Modern Servicing

Staying Secure and Up to Date

Microsoft & Intel working together to advance the state of art servicing across ecosystem.

Reduce Protection Gap
Reduce Complexity
Reduce Total Cost
Track

Fundamentals & Experiences

Sessions
- Modern Commercial Deployment with AutoPilot
- Servicing Update: Driver and Intelligent Update
- Modern Standby
- Power & Performance
- Windows Input: Pen, Ink, and PTP

Lab
- Telemetry Insights
- Best Practices for Building Low Storage Windows 10 devices (NDA only)
- Power
- Performance
Modern Standby Revives the PC User Experience

**Today**

**Responsiveness**
Resume from Legacy Standby (ACPI S3)

**Features**
Legacy Standby incapable of many new usages

**Regulation**
Challenged to meet coming gov’t energy usage requirements

**Vision**

**Consumer Electronics On/Off Experience**
Modern Standby power model designed for quick on/off transitions; Resume to productivity 3X faster than Legacy Standby.

**Wake Scenarios and Other Key Features Enabled**
"Wake on" scenarios such as Wake on Voice; Windows Defender System Guard security also dependent on the Modern Standby power model.

**Positioned to Comply with Coming Energy Regulations**
Ability to quickly go into and resume from standby allows for more aggressive power management meaning that idle devices are far less often fully-powered.
Responsibility & Opportunity

Microsoft Mission

Empower every person and every organization on the planet to achieve more
Every person. Empowered. In every context.
Go-Dos

Building the Intelligent Edge from Server to Sensor

Attend and Learn from the sessions and labs
Experience the Windows 10 October 2018 Update (version 1809) and Join the Windows Insiders Program
Design and Build Modern Device with Modern Capabilities