Universal Windows Platform

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20. november 2017

Agenda

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Why develop for Windows?

Universal Windows Platform

Bridging technologies

Adaptive UI

Hands on

Why develop for Windows

Why develop for Windows

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More than 400 million devices run Windows 10

More form factors, but less work

Multiple options for monetization

New ways to engage (VR, AR and Mixed Reality such as HoloLens)

Why develop for Windows (cont.)

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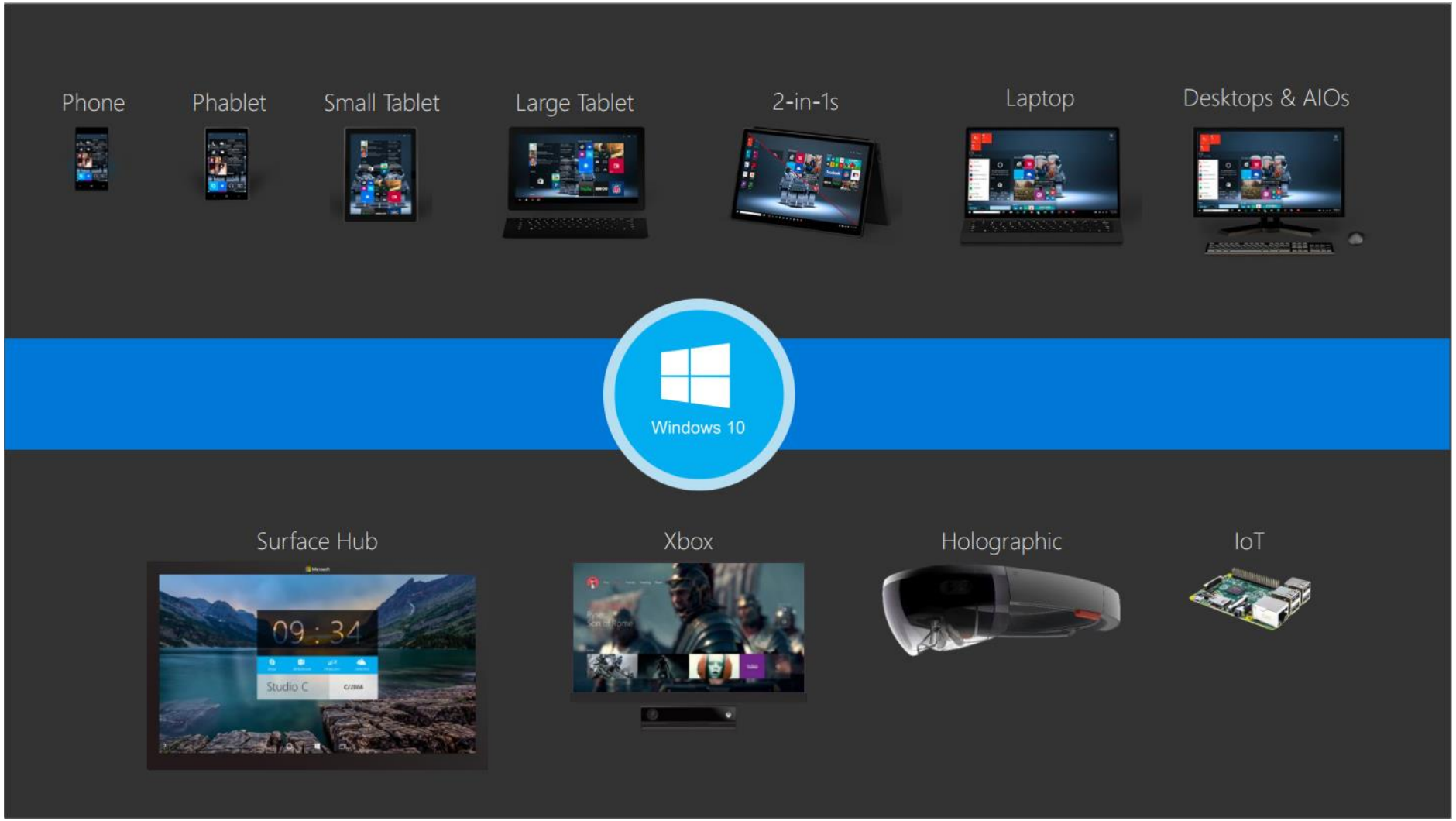

Universal Windows Platform

The platform convergence

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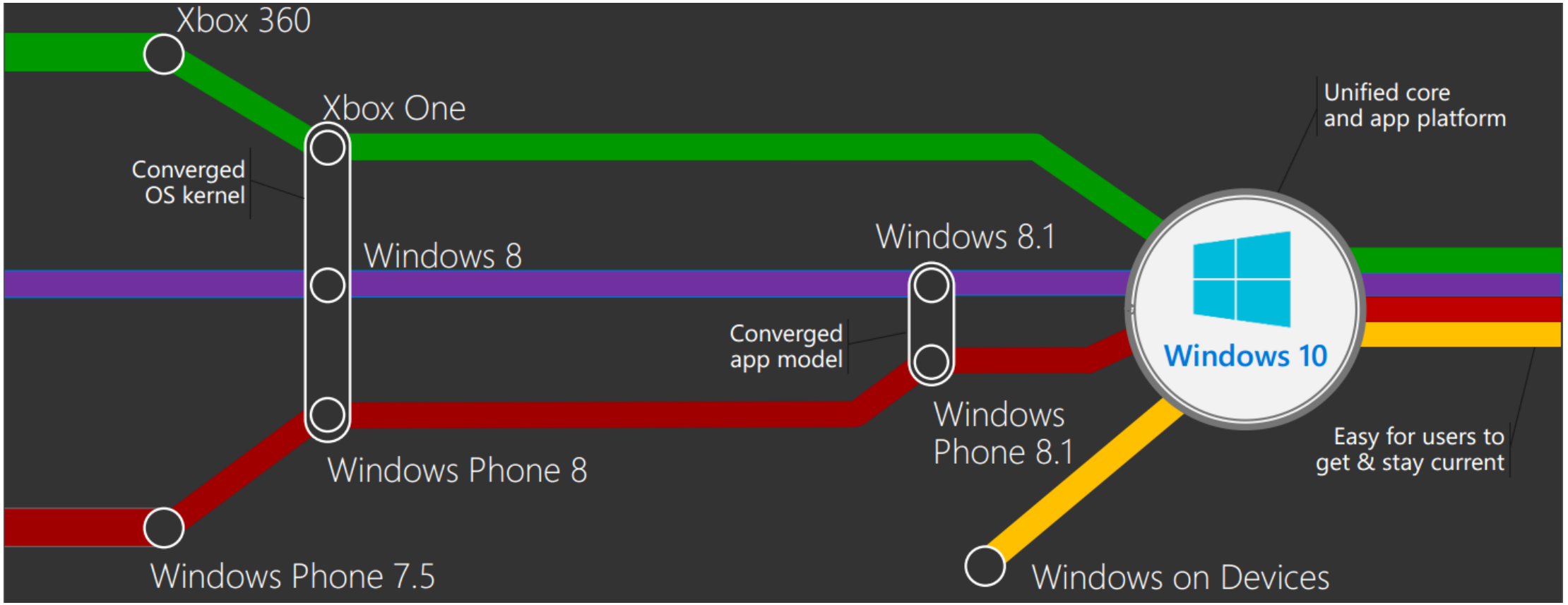
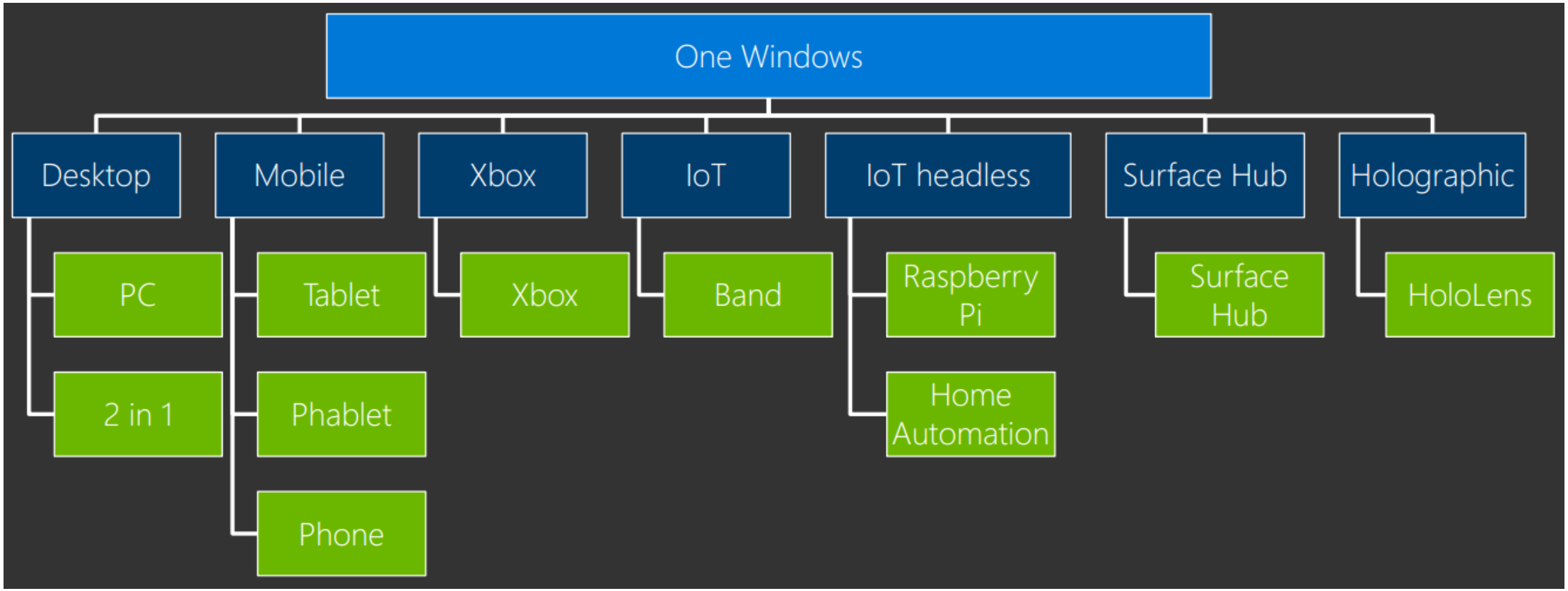


The platform convergence (cont.)



What is UWP?

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Common API across devices

Develop once, run anywhere philosophy

Single binary

One store for all devices

More than just UI

UWP

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One platform to rule them all!

One operating system

- One Windows core for all devices

One App platform

- Apps run across the entire device family

One development center

- Single submission flow and dashboard

One store

- Global reach, local monetization

UWP (cont.)

Mobile
PC
Surface Hub
Console
Devices +IoT
Holographic
Universal Windows Platform
Adaptive
User Interface
Natural
User Inputs
One SDK +
Tooling
One Store +
One Dev Center
Cloud
Services
Configuration
Security
Management
Updates

UWP – More than just UI

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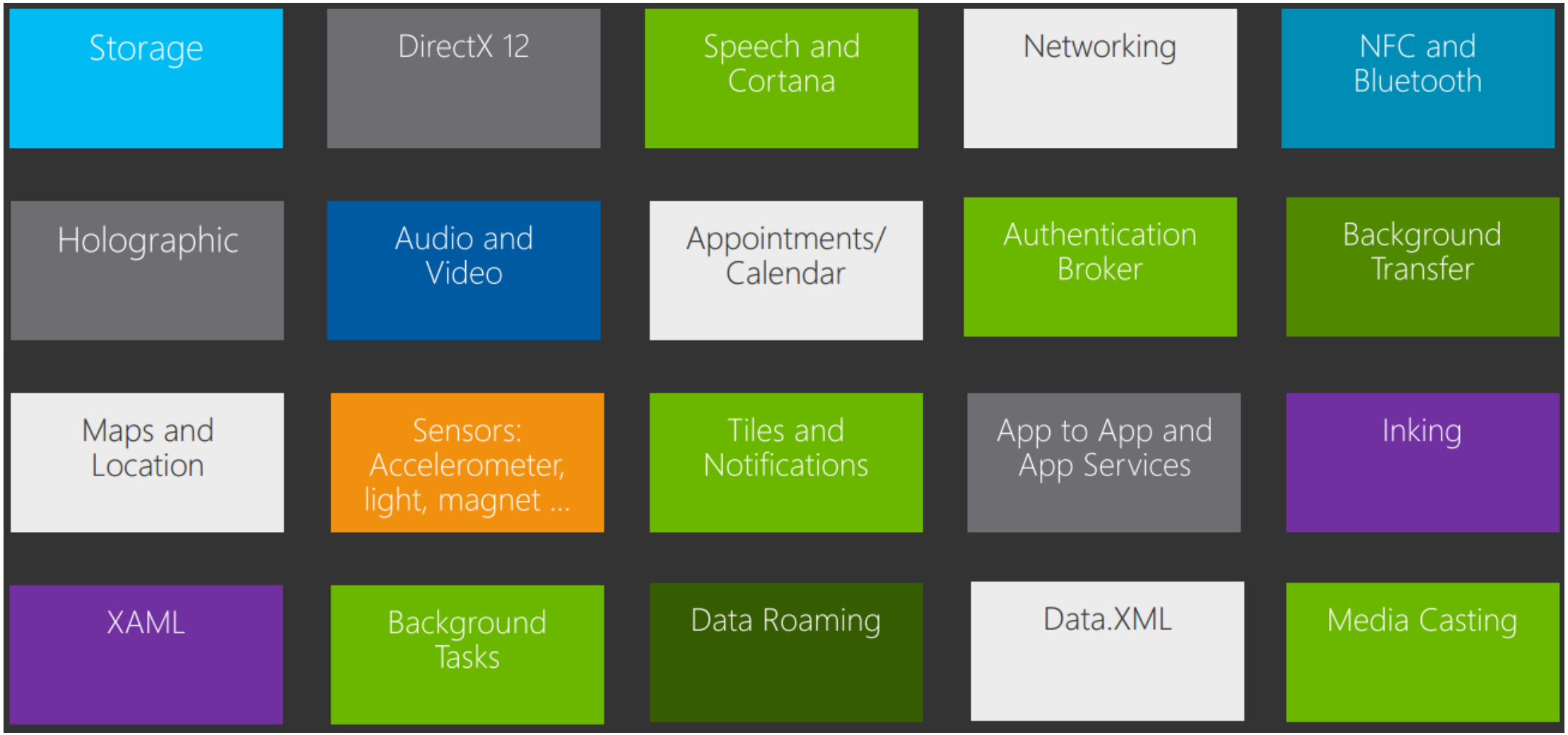

UWP – Platform extensions

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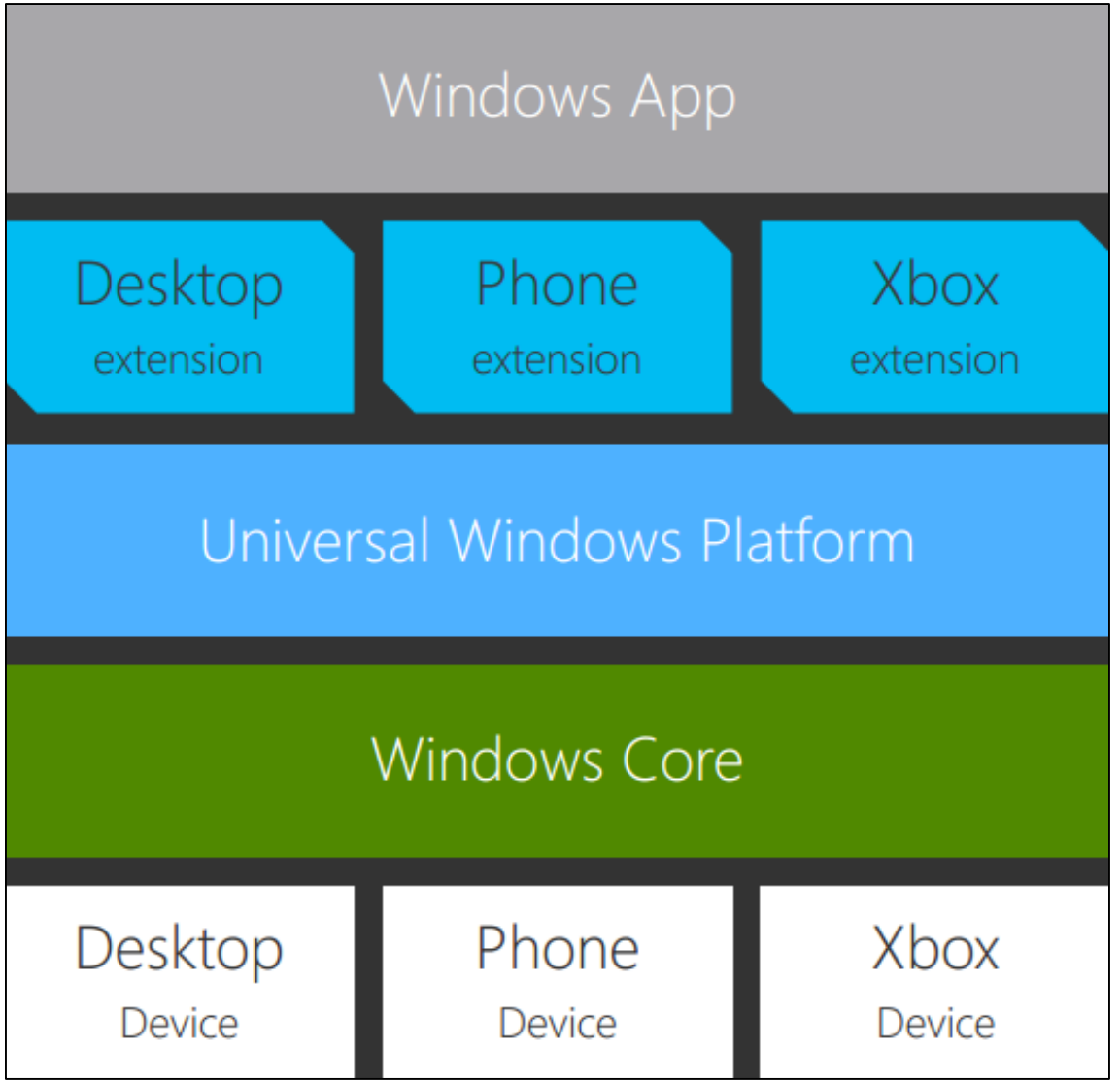
Device specific API

- Family specific capabilities
- Compatible across devices
- Unique update cadence



Bridging technologies

Bridging technologies

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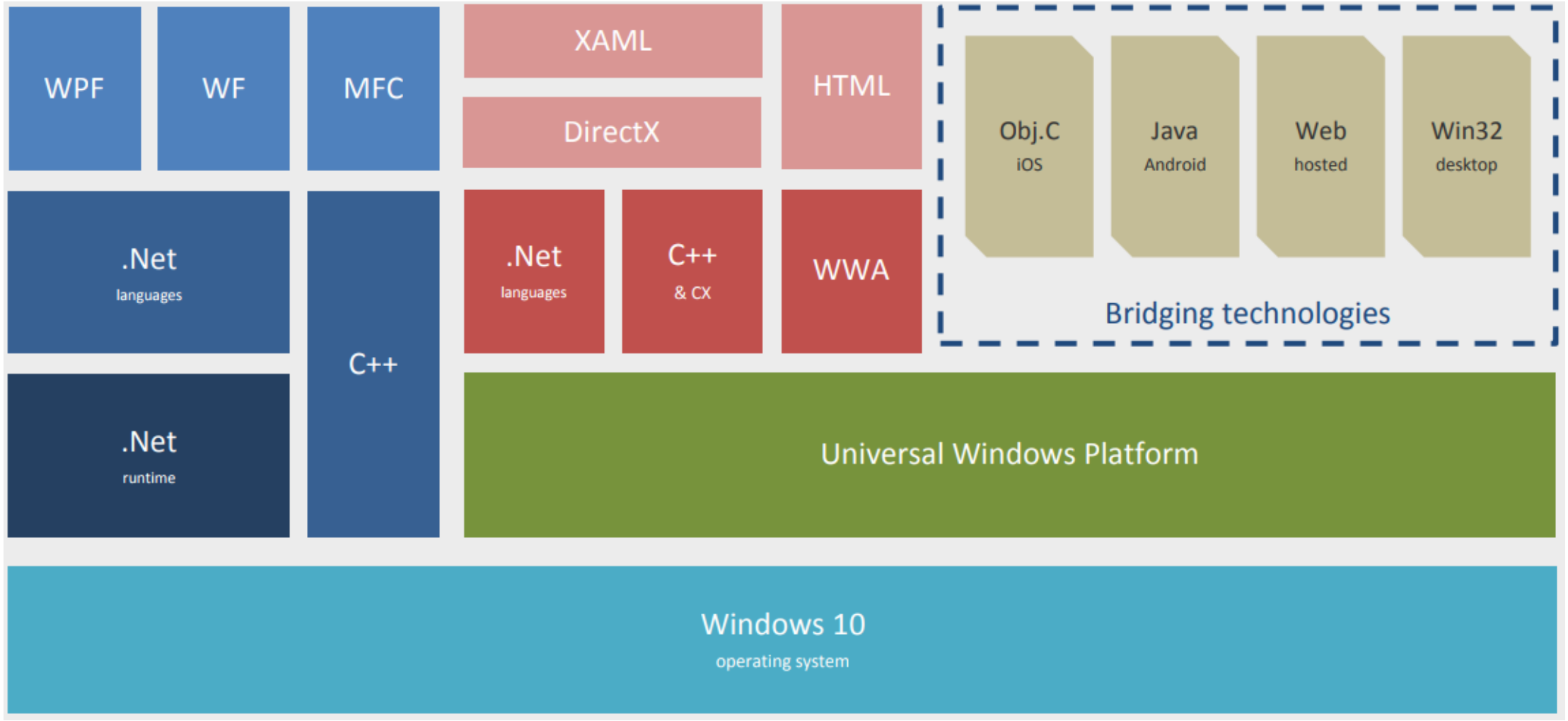

Bridging technologies (cont.)

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Hosted Web Apps

- Bring your website to Windows Store
- Leverage your development investment
- Full access to universal APIs

Windows Bridge for Android

- Tooling that allows apps for Android to run on Windows 10
  - Few changes required
- Submit APK to Windows Store
- Extend to call subset of UWP APIs

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Adaptive UI

Adaptive design

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Responsive design

- Flexible layout, responds to small changes

Many controls to handle basic responsiveness

Smart layout adjust to large changes

- Features like visual states aid in this design

Tailored design

- A device specific app can simply design
- Some devices have unique design languages

Adaptive design

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Tailored design

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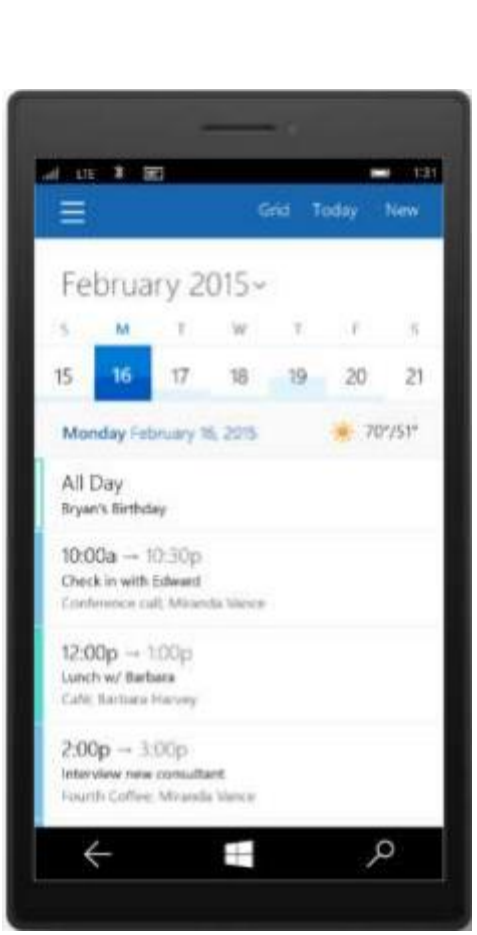

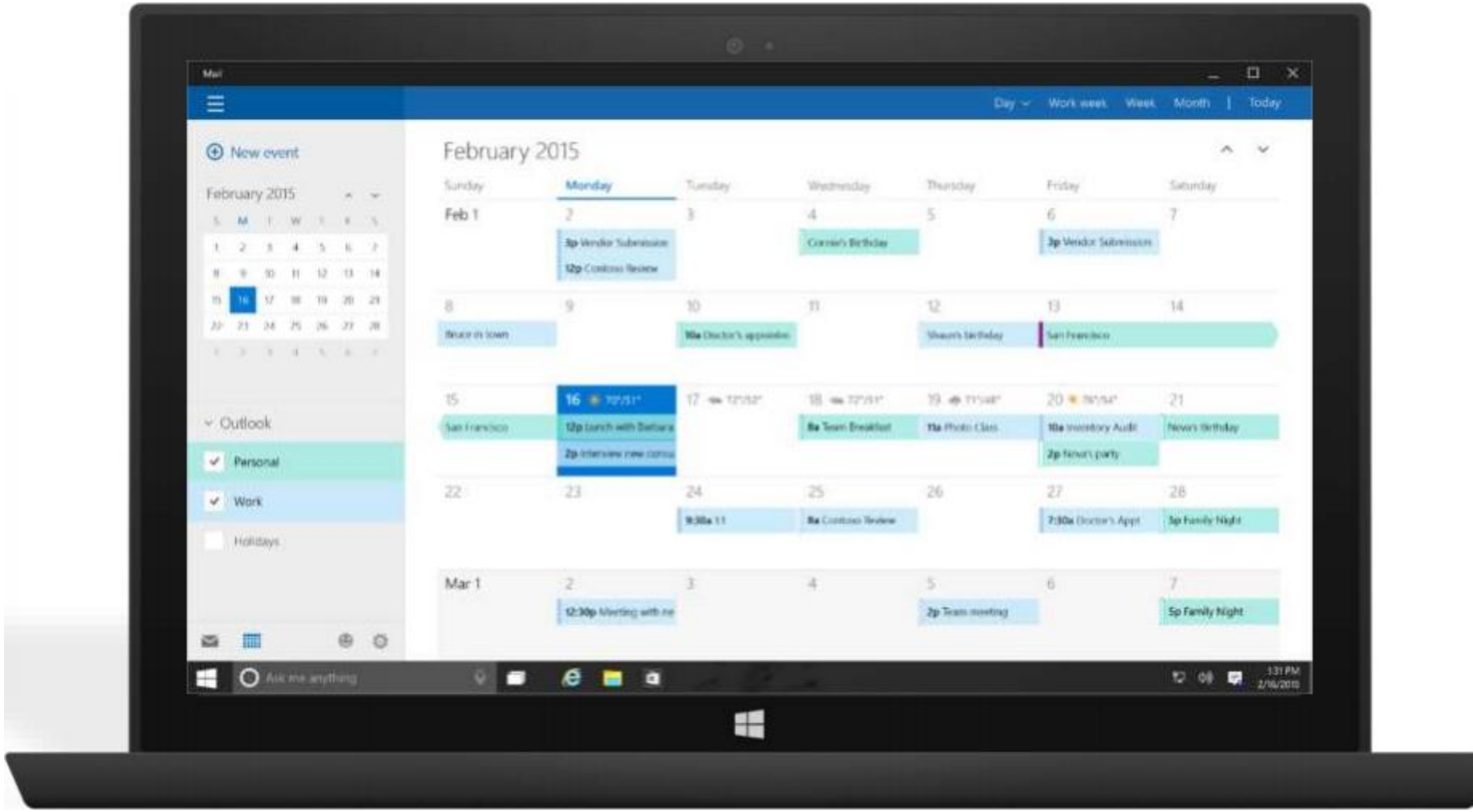

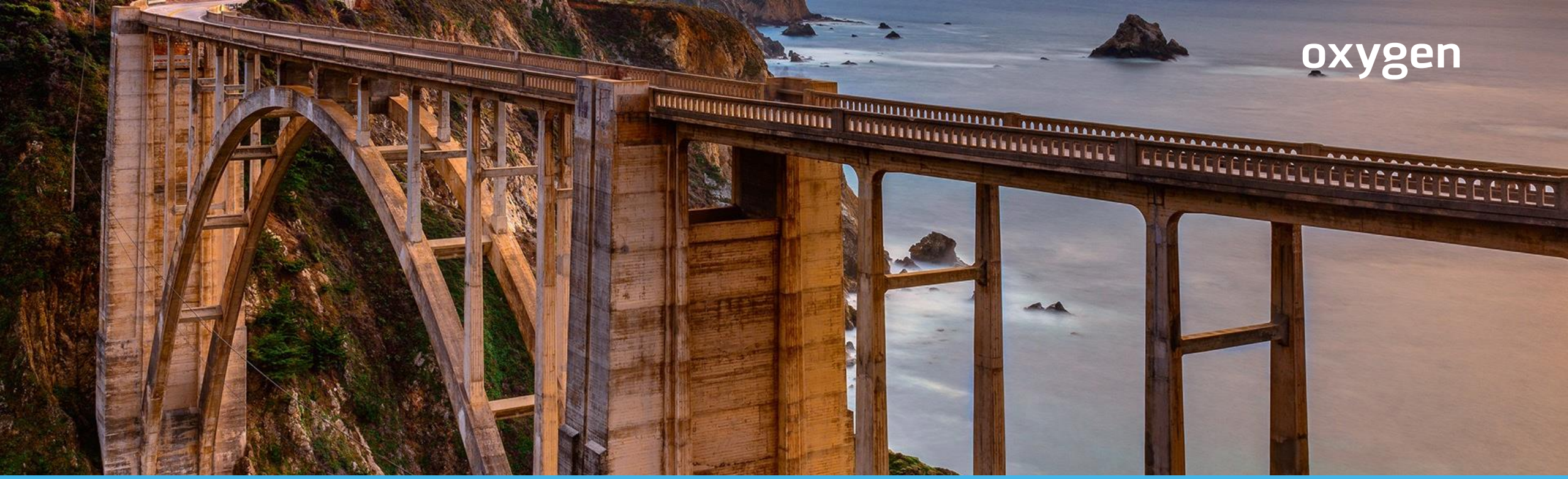

Hands on

On screen coding

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Exercise – Try your luck

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Create an UWP application

Add some elements to the UI

Play around with the code

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Questions?