



Esri International User Conference | San Diego, CA
Technical Workshops | Road Ahead

ArcGIS Runtime

Euan Cameron

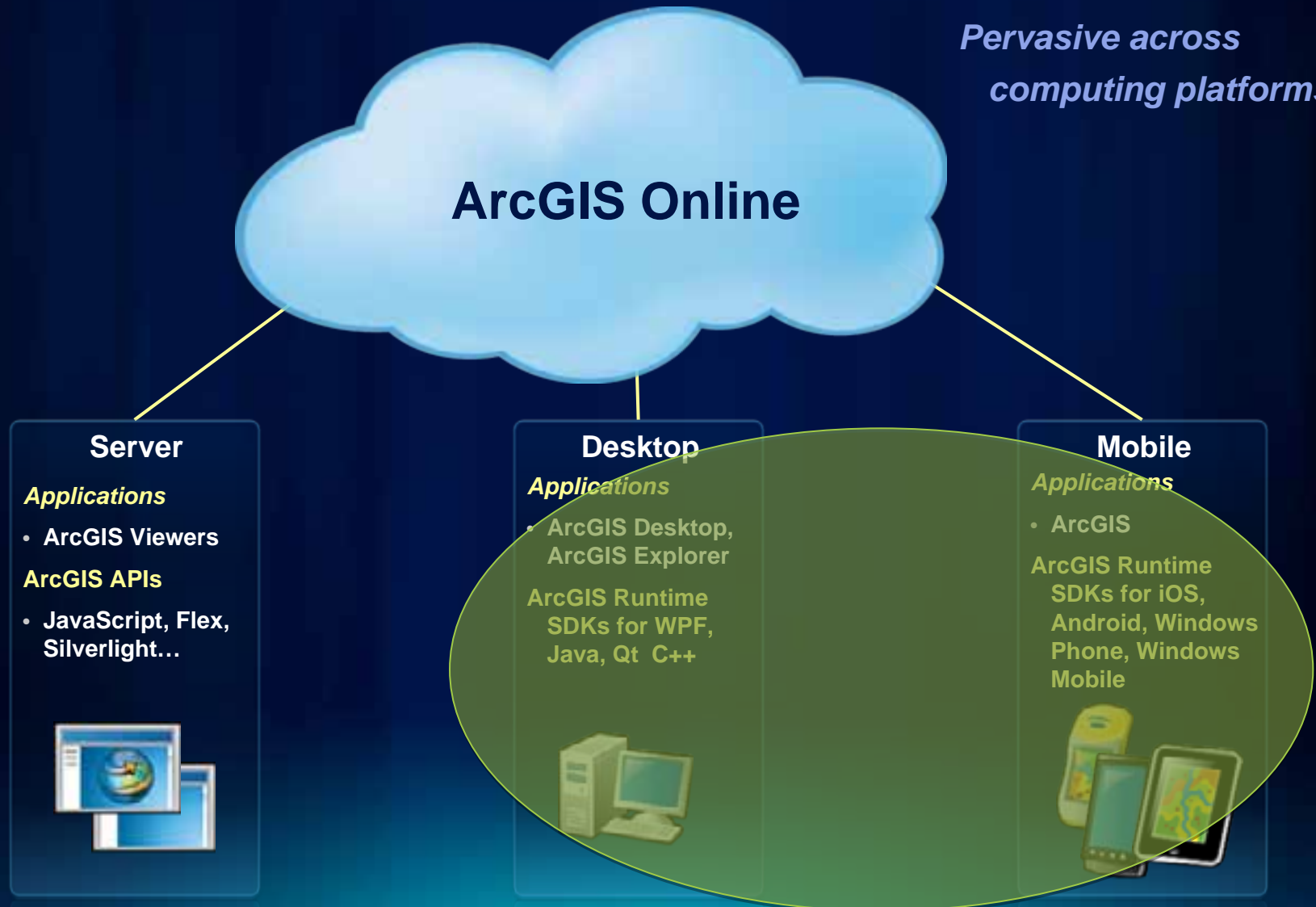
Mary Harvey

Ralf Gottschalk



The ArcGIS System

*Pervasive across
computing platforms...*



Lightweight Applications and Runtime SDKs

Configurable applications and native ArcGIS Runtime SDKs

iOS	Android	Windows Phone	Windows Mobile	Windows	Linux
Applications <ul style="list-style-type: none">• ArcGIS	Applications <ul style="list-style-type: none">• ArcGIS	Applications <ul style="list-style-type: none">• ArcGIS	Applications <ul style="list-style-type: none">• ArcGIS	Applications <ul style="list-style-type: none">• ArcGIS Explorer*	Applications <ul style="list-style-type: none">• None
Runtime SDK <ul style="list-style-type: none">• Objective C	Runtime SDK <ul style="list-style-type: none">• Java	Runtime SDK <ul style="list-style-type: none">• Silverlight	Runtime SDK <ul style="list-style-type: none">• .NET	Runtime SDK <ul style="list-style-type: none">• WPF, Java, Qt	Runtime SDK <ul style="list-style-type: none">• Qt, Java
					

Introducing the ArcGIS Runtime for Desktops

A GIS Runtime for Windows and Linux

- Integrated into the ArcGIS Ecosystem
- Small Footprint
- Fast Display
- Easy to Deploy

Leverages the ArcGIS System

ArcGIS Runtime Specifics

- **New Architecture**
 - Native 32 and 64 bit code execution
 - Utilizes hardware (Cores, CPUS,..)
 - Asynchronous programming pattern
- **Simplified Deployment**
 - No install required
 - Deploy only needed components
 - Side-by-Side deployment
 - Independent of other ArcGIS installs
- **SDKs**
 - WPF, Java, Qt,
 - Builds on the ArcGIS APIs

Its Not Just About Writing Code

- **ArcGIS Desktop Used to Provision Solution**
- **Content is Authored**
 - **Map Packages**
 - **Tile Packages**
 - **Locator Packages**
- **Functionality Can Be Authored**
 - **Geoprocessing Packages**
- **Packages can be delivered on Media, or downloaded from online**
- **ArcGIS Server Can Deliver Content to Clients**



Mapping and Cartography

- **Fully Supports ArcGIS Cartography Including Representations**
- **Annotation and Labeling**
 - **Maplex Support Included**
- **Author Maps using ArcGIS Desktop**
- **Limitations Around Custom Components**
 - **Custom Layers**
 - **Custom Renderers**
 - **Custom Symbols**
- **Tile and Map Packages**



Mapping

Mary



Editing

- **Geodatabase Feature Editing**
 - File and SDE Geodatabase
 - Simple Feature Editing
 - Attributes and Shape



Editing

Ralf



GeoCoding

- **Support provided by ArcGIS Locators**
- **Geocoding and Reverse Geocoding Supported**
- **Single Line Geocoding Supported**
- **Locator Data Provisioned to the Runtime in Locator Packages**



Geoprocessing

- **Tools, Scripts and Models Supported**
- **System Tools Available Depend on Level of the Runtime**
 - **Basic (None)**
 - **Standard (ArcView +)**
 - **Advanced (ArcEditor +)**
 - **Tool List available at Beta**



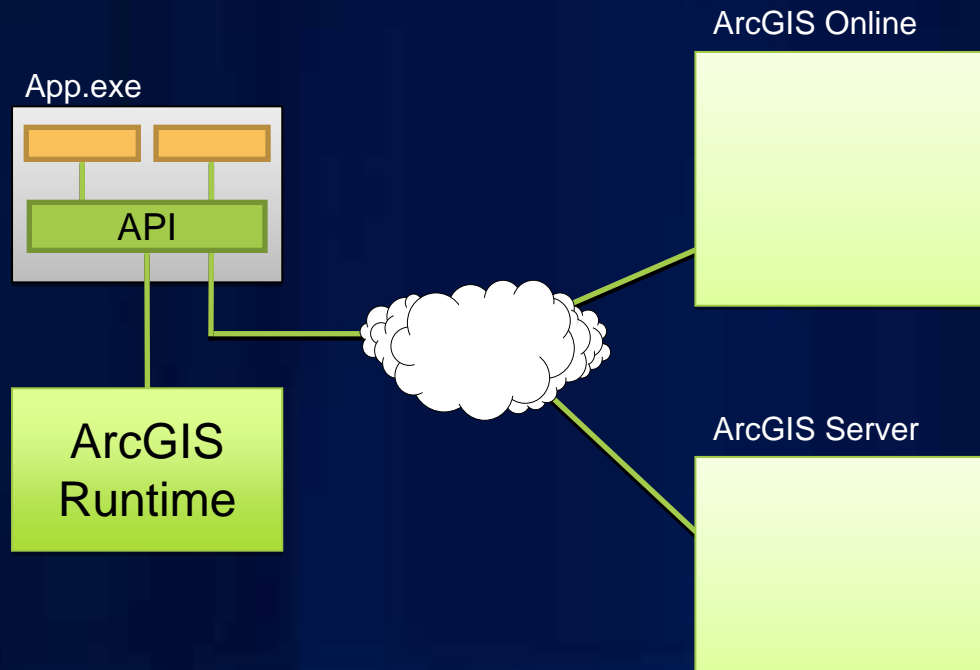
Geoprocessing and Geocoding

Ralf



Online Integration

- Designed for Desktop and Online Development



Developers Are Productive on the Desktop and Online

Online Integration



Deployment

- **No Install Style Deployment**
- **Only Deploy What You Need**
- **Each Application Has Its Own Runtime**
- **Runs Independent From Any Other Runtime or ArcGIS Product**

Deployment

Mary



What About The Other Desktop Developer Options?



ArcGIS 10.1 Beta Status

- Beta Release Underway
- Sign up to the Beta <https://betacommunity.esri.com>
- Download the Software When Available (End July)

Questions?