Agenda

• Overview of AppStudio
• Using Templates
• Working with Player
• Tour of Desktop
• Using Samples
• Simulators and Emulators
• Writing QML
Why Native Apps?

- Offline
- Device Capabilities
- App Stores
Challenges of Native App Development

- **Cost**
  - Time + Resources * Platforms = $$$

- **App Distribution**
  - Stores, MDM, Enterprise

- **App Security**
  - Access to secure services

- **App Maintenance and Updates**
  - Quickly update all platforms

*Platforms* = $$$
What is AppStudio?

Native App Development Platform
iOS, Android, Mac, Win, Linux

Ease of Web Development + Power of Native Platform

5X CODE
iOS
Android
Windows
Linux
Mac
What is AppStudio?

Native App Development Platform
iOS, Android, Mac, Win, Linux

Ease of Web Development + Power of Native Platform
AppStudio Basic
and
AppStudio Standard
AppStudio Basic

- ArcGIS Subscription (L2)
- Use your browser to create a native app
- Configure app templates, No development skills required
- Use your existing public maps and services
- Add your own branding and style
- Publish to the App Stores
AppStudio Standard

- Developer Subscription
- Developer Productivity Tools
- Extend template or write apps from scratch
- Native widgets and Samples (60+)
- Full ArcGIS Runtime API
- Hosted Build Infrastructure
- Support for online and on-premises services
- Apps Stores or Enterprise devices (MDM)
TURT
Turtles Uniting Researchers and Tourists

Quick Report Template
Created by a Marine Biologist at Loma Linda
No Developer Skills
National Arboretum
Blue Raster LLC

Custom app created by Esri Partner
Quickly created as proof of concept
Utilizing the existing web GIS services
GoTime
By massDOT

Custom app created by Esri Partner
Short turn around time (just over month)
Deliver in Apple and Google App Store
As a Rapid Application Development tool goes, AppStudio has been invaluable.

- Larry Spraker
  Vhb Applied Technology Manager
Quick access to critical marine data
Created by the Esri Living Atlas Team
Written by a Python developer
Esri Professional Services

- Long Beach Water Construction
- View Construction Project Information
- Enterprise App (require ArcGIS Account)
Esri Labs

- AuGeo
- Tile Package Kreator
- Trek2There
Survey123 - customization

- American Red Cross
- Texas DOT
- Southern Ute Tribe
- GeoDecisions (partner)
2017 AppStudio Release

AppStudio v2.0 (July 1st)

• Upgrade to latest version of Runtime
• AppStudio Desktop Redesign
• Templates, Widgets and Samples
AppStudio 2.0 – Desktop Application

- New User Experience
- Search and Filter Apps
- Access all Templates and Samples
Using Templates
Working with Player
Tour of Desktop
Using Samples
Simulators and Emulators
Writing QML and JavaScript
Loayeh Jumbam
AppStudio for ArcGIS: Advanced Topics
SDCC - Room 02

Talk to us about training
AppStudio
What will you build?

Talk to us about training
appstudio@esri.com