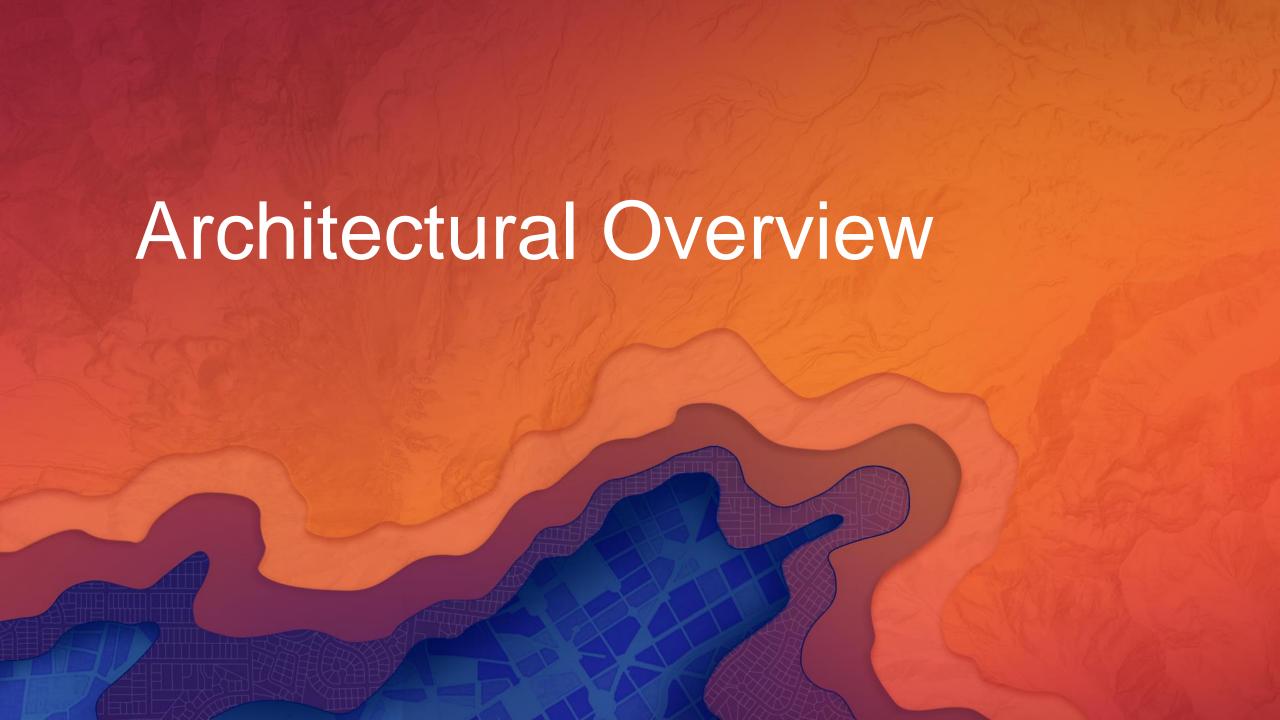
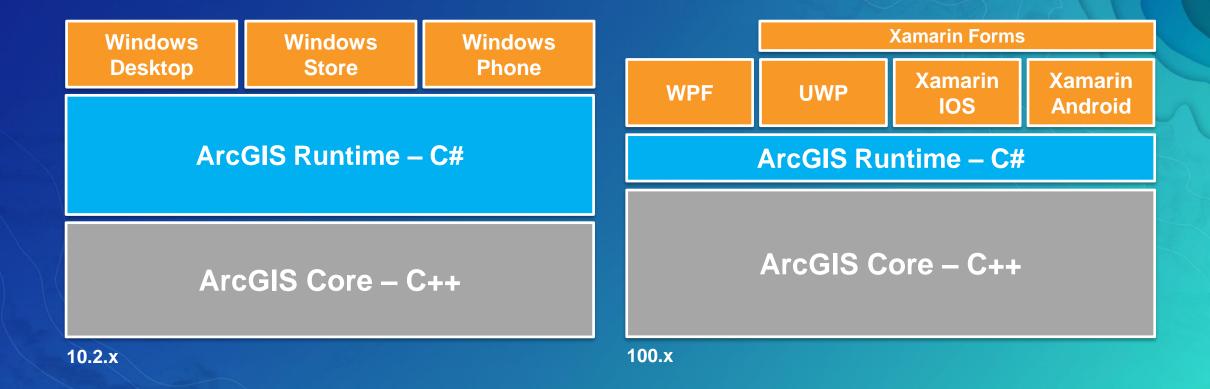


Agenda

- Architectural Overview
- Maps
- Editing
- Analysis
- Resources
- Q&A



Architecture: New APIs included in this release

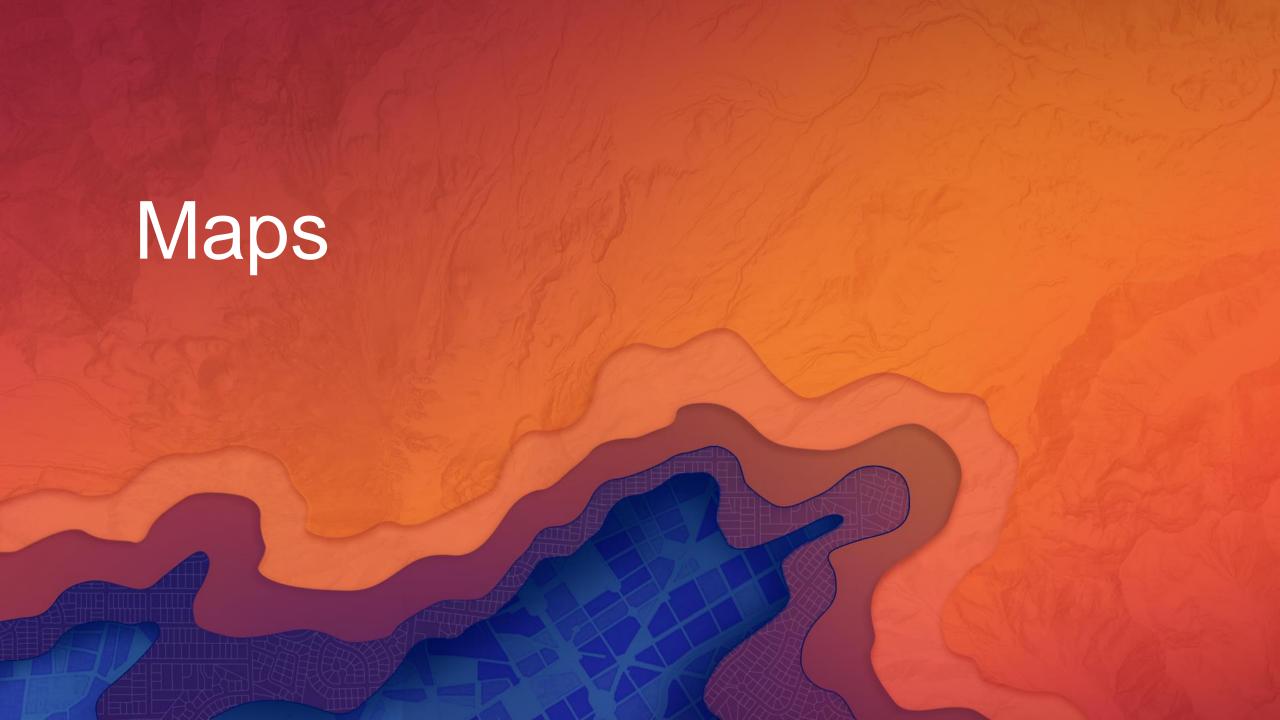


Architecture: Notes about install

- New install workflow
 - Templates installed locally as a Visual Studio (VSIX) extension
 - APIs can reference packages stored locally or hosted on NuGet.org
- No longer requires an ArcGIS Runtime .NET Deployment Manifest.
- Local Server is now a separate install
- .NET 4.5.2 minimum

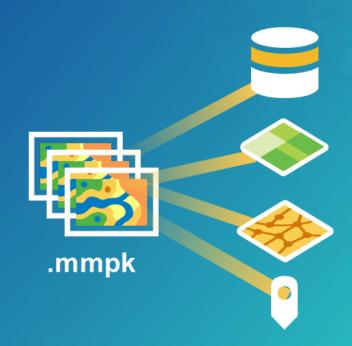
Architecture: Additional info

- Loadable Pattern
 - Intended for workflows that involve accessing lots of data from connected online resources
 - Makes the behavior of loading state more consistent and uniform
- Online/Offline
 - APIs for common operations such as editing, searching, geocoding or routing are the same in 100.x
 - Packaging Offline maps Mobile Map Packages



Maps: Mobile Map Package .mmpk

- The creation of Mobile Map Package replaces Create Runtime Content
 - Same content as .mpks
 - Mobile .geodatabase
 - Tile Package .tpk
 - Runtime network dataset
 - Runtime locator
 - Vector basemaps
 - Created in ArcGIS Pro



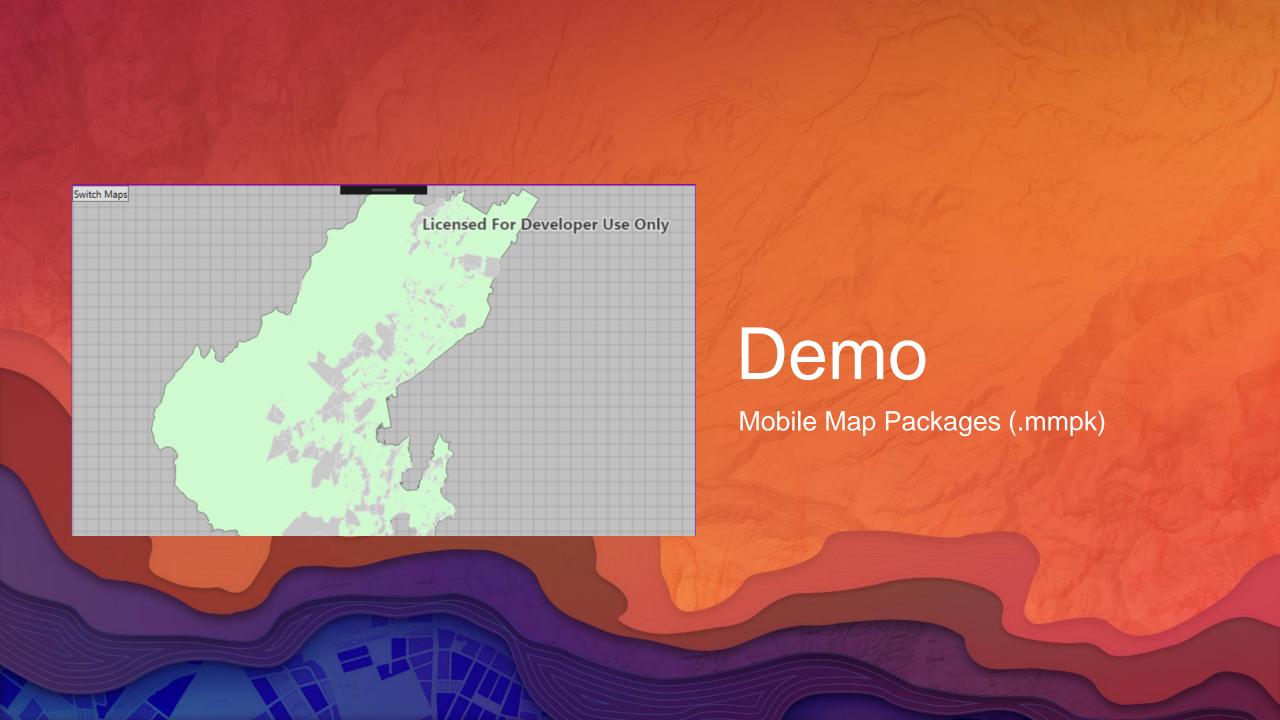
Maps: Map Package .mpk

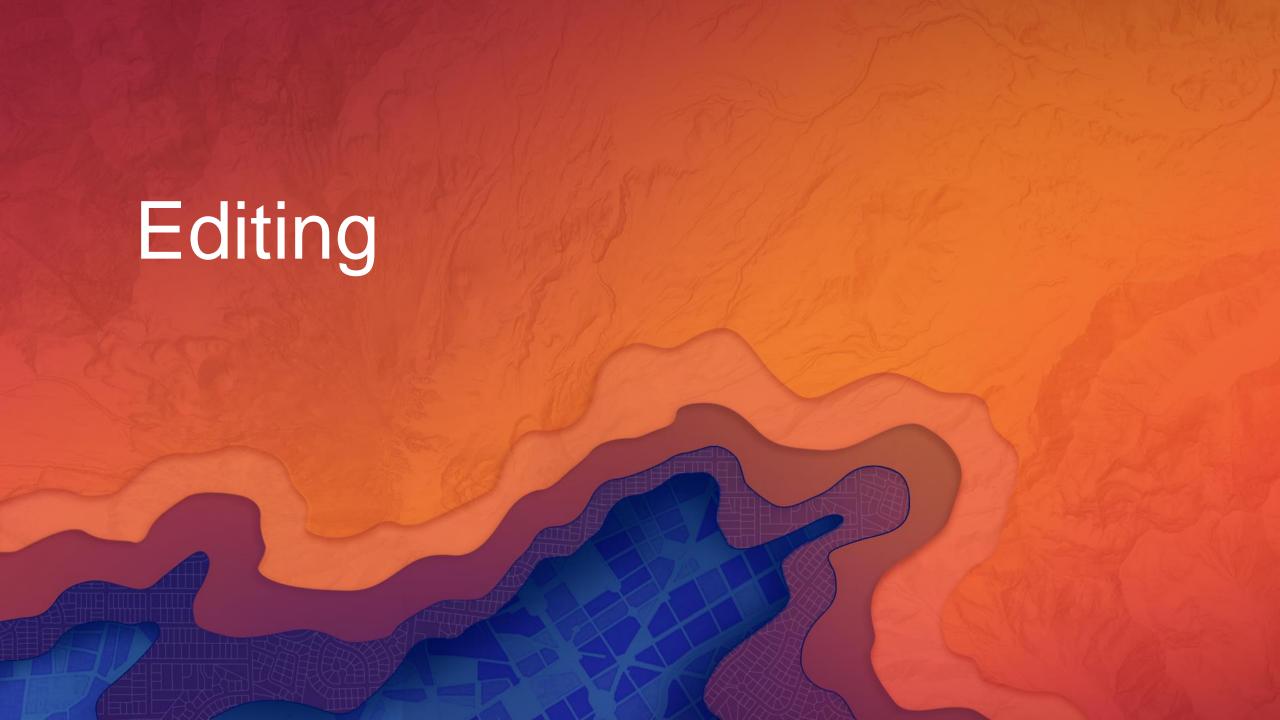
- Continue to be supported in ArcGIS Runtime 100.x via Local Server
- Superseded by Mobile Map Package and direct data format support in many workflows
 - May still be required for some scenarios e.g. CAD layer
- Map Packages must be created with ArcMap 10.4.1
- Recommended for Geoprocessing Packages



Maps: Vector Tile Package .vtpk

- Contain collection of vector tiles and style resources
- Vector tiles contain vector representations of data across a range of scales
- Adapt to resolution of the device display
- Can be customized on the device for multiple uses e.g. day / night styling
- Faster to generate, smaller packages
- Tile packages .tpk continue to be supported in 100.x

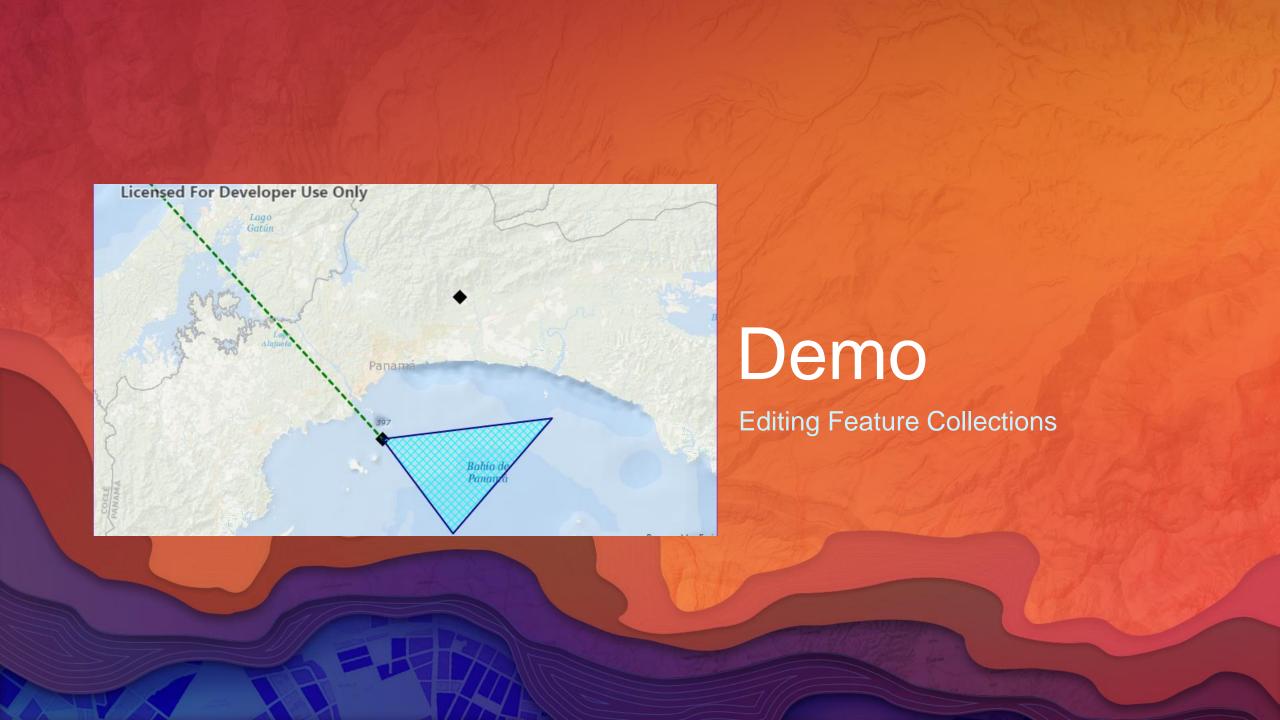




Editing: ArcGIS Runtime 100.x

- Supports same editable data formats and content as 10.2.x
- Feature Collections new to 100.x
 - Features, geometry, and attributes
 - Stored in maps 'by value'
 - Portal items 'by reference'
- Offline Map Package .mpk editing via Local Server
 - Still supported in 100.0
 - Only option for editing File geodatabases
 - Many workflows replaced with sync-enabled feature services and mobile geodatabases

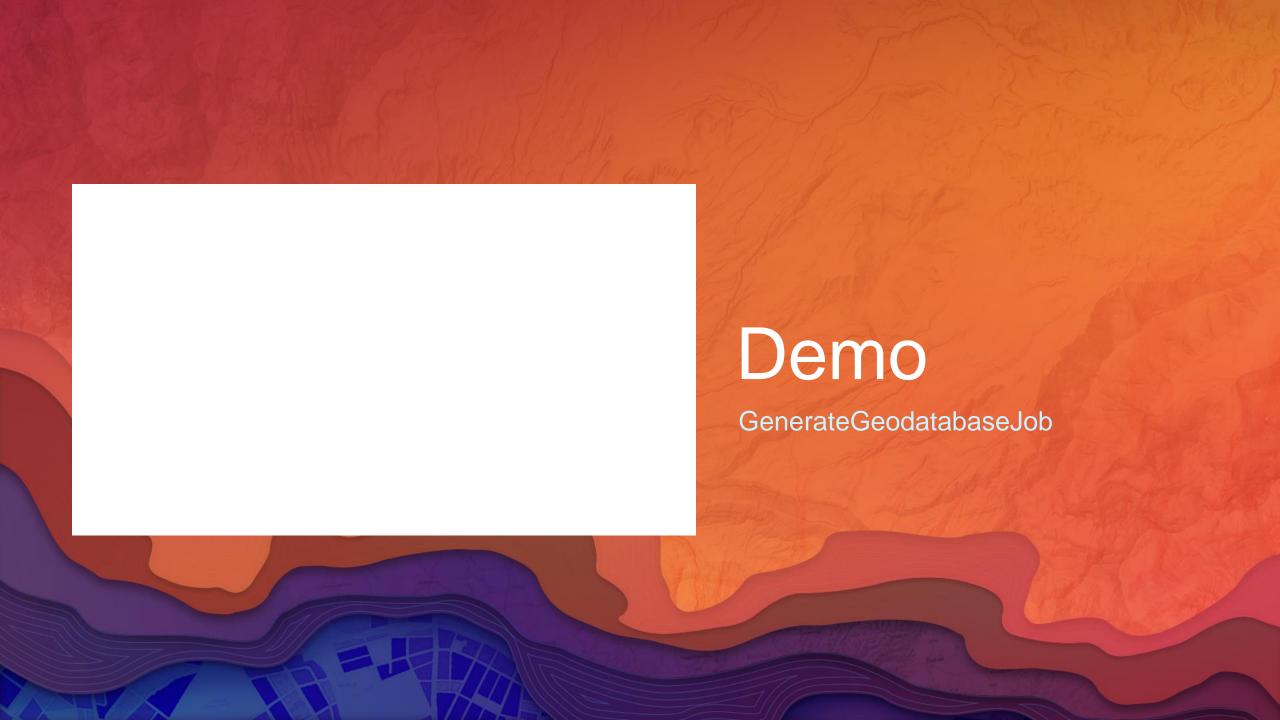


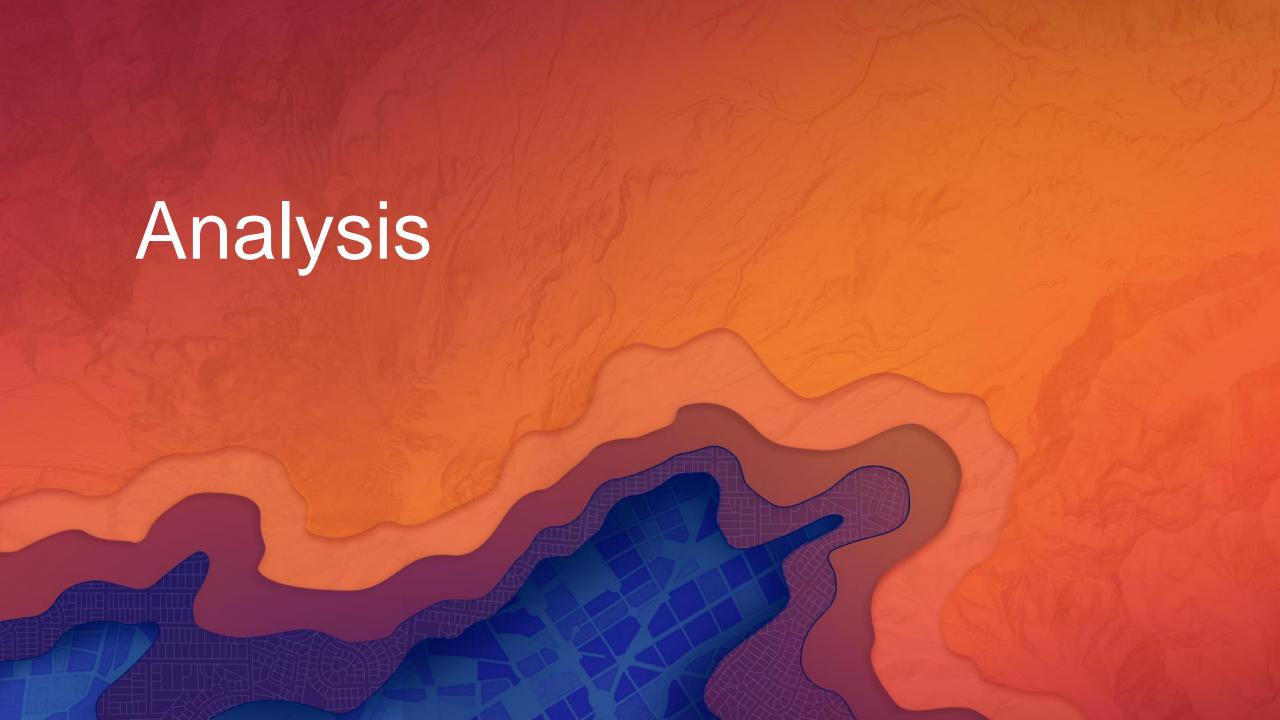


Editing: ArcGIS Runtime 100.x

- Offline Editing
 - The pattern for generating a local geodatabase has changed
 - You now run a job that will generate an offline map
 - GenerateGeodatabaseJob
 - Job that requests a feature service to generate a geodatabase file
 - Event Handlers:
 - JobChanged
 - ProgressChanged

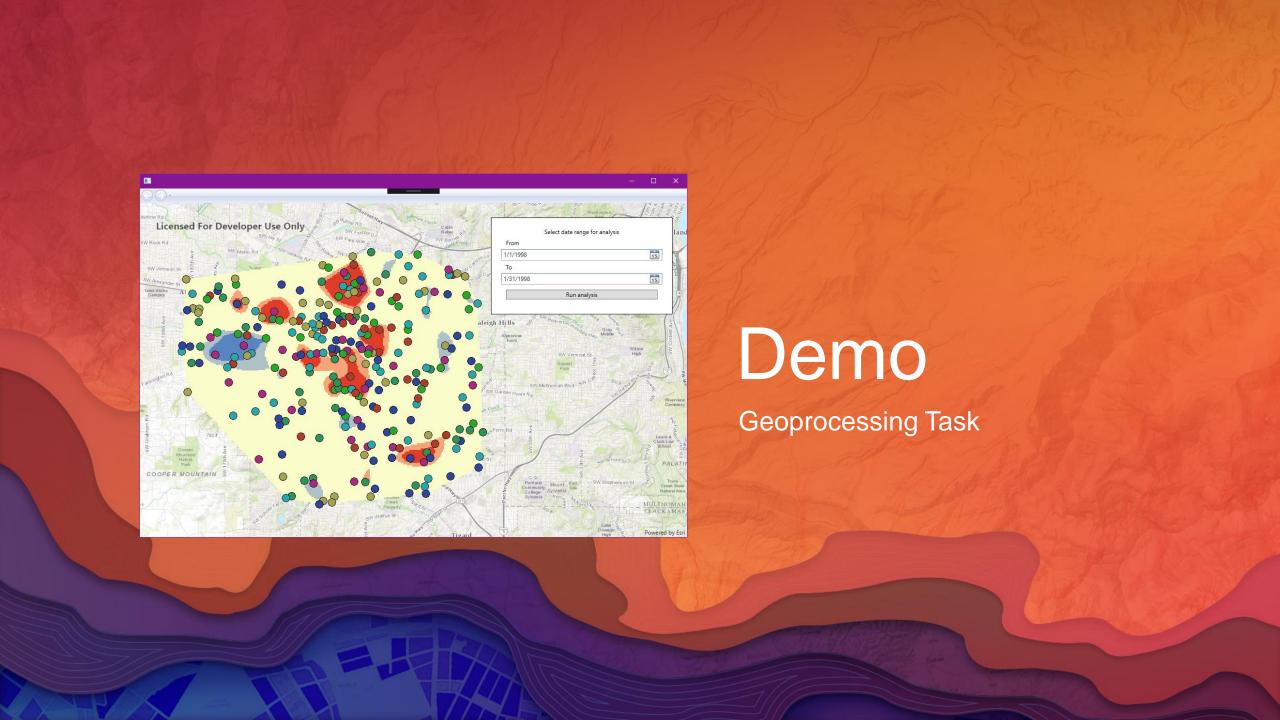






Analysis: Geoprocessing Tasks

- Geoprocessing
 - Local geoprocessing service using LocalServer
 - ArcGIS Server
 - ArcGIS Online
- Geoprocessor class has been replaced with GeoprocessingTask
 - Create a geoprocessing job that tracks progress of the server processing
 - Listen for status changes as job progresses, and respond when it's complete by reading the results (outputs) from the job



Resources

- ArcGIS Runtime SDK for .NET 100.1.0 Homepage- https://developers.arcgis.com/net/latest/
- Migrate from 10.2.x to 100.x https://developers.arcgis.com/net/latest/wpf/guide/migrate-to-100-x.htm
- ArcGIS Runtime SDK for .NET Samples https://github.com/Esri/arcgis-runtime-samples-dotnet/tree/master
- System requirements https://developers.arcgis.com/net/latest/wpf/guide/system-requirements.htm
- Release Notes https://developers.arcgis.com/net/latest/wpf/guide/release-notes-100-0-0.htm

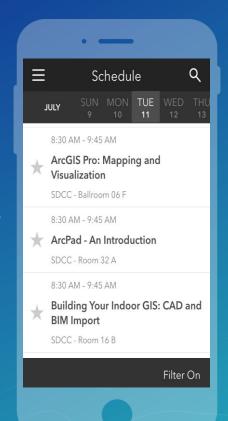
Questions??

Please Take Our Survey on the Esri Events App!

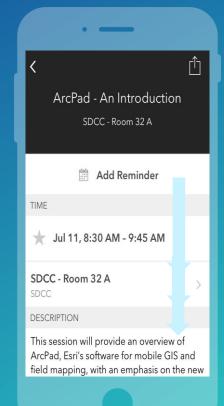
Download the Esri Events app and find your event



Select the session you attended



Scroll down to find the survey



Complete Answers and Select "Submit"

