Agenda

Introduction to Explorer for ArcGIS

- ArcGIS platform overview
- Explorer for ArcGIS overview
- Creating and using offline maps
- Map markup
- Deep linking with URL schemes
- What’s next in Explorer
- Q&A
ArcGIS platform overview
Apps Are Bringing the Power of GIS to Everyone
Extending the Reach of GIS

Across Organizations and Beyond
Apps support your organization

• Apps Support Management
  - Leverage the full potential of your Web GIS investment
    - Apps → solve common business workflows
  - Have everyone in your organization work with the same information

• Apps Enhance the GIS Analyst's Work
  - Share your work to other parts of the organization
  - Enable other departments to leverage your geospatial assets
  - Curator of the authoritative datasets in your organization

Make compelling information products that support decision making from anywhere, anytime

Boost your productivity
  - Optimizing field operations
  - Empowering geography-based analytics
  - Delivering visually compelling information products
Explorer for ArcGIS overview
Explorer for ArcGIS
Your maps, everywhere you go

The best mobile map experience
Access information while disconnected
Create and share map markup
Anonymous Users can access publicly shared maps.

Level 1 Named Users can view private data from ArcGIS.

Level 2 Named Users can view private data from ArcGIS and share map markup back to ArcGIS.
Creating and using offline maps

Access information while disconnected
Options for offline maps
- Create MMPKs from ArcGIS Pro
- On demand: take portions of web maps offline directly from the app (coming soon)

Important functionality for:
- Forestry and Natural Resources
- Fire and Law Enforcement
- Users with limited network access and/or critical data needs
Publisher extension
Create MMPKs that can be used anonymously

- ArcMap
- Published Map File (PMF) → ArcReader
- Mobile Map Package (MMPK) → Explorer for ArcGIS
- ArcGIS Pro
Publisher extension
Create MMPKs that can be used anonymously

Phase 1 (available now)
Pro users licensed with the Publisher extension can create Explorer specific maps

Phase 2 (target: 2018)
Enhance ArcGIS Pro to include more core Publisher/Reader functionality
- Encryption / Data Timeout
- Password Protected MMPKs
- Company Branding (splash screen and attribution) associated with MMPK
More…
Demo
Basic offline capabilities
Map markup
Create and share map markup
Enhanced Map Sketching/Markup
- Markup and annotations are persistent
- ArcGIS Org users can share with a group
- Supports redlining workflows

Important functionality for:
- Utility Customers (gas, water, electric)
- Public works
- Users who need to communicate information without directly editing operational data
Markup Usage Pattern (Named User Level 1)

Create
Explorer for ArcGIS

Share
Markup or PNG
Email/SMS/Dropbox
Markup Usage Pattern (Named User Level 2)

**Create**
- Explorer for ArcGIS

**Share**
- Online or Enterprise

**Consume**
- ArcGIS Pro
  - Web Maps
- Web Client

Options:
- Markup
- Markup or PNG
- Email/SMS/Dropbox
Demo
Map markup
Deep linking with URL schemes
Open one app from inside another app
Deep Linking with URL Schemes

What is a URL Scheme?

A URL Scheme is a method of invoking and passing state between applications – often referred to as Deep Linking.

Pretty common today in many applications.

Who has used a URL Scheme before?
Deep Linking with URL Schemes

• Simply put, a URL Scheme is a method of invoking and passing state between applications.
• Pretty common today in many applications.
• Who has used a URL Scheme before?

What is a URL Scheme?

- Contacts.app
- Phone.app

URL Scheme:

tel:555-0155
Deep Linking with URL Schemes

Way to link into a specific state or location of your app

Methodology varies by platform iOS, Android, Blackberry, Windows all have specific technologies for handling this

Esri has standardized URL Scheme style for all platforms

This means one URL works on all platforms
URL Scheme Structure

Basics

1. Scheme
   - MyApp://?argument=value

2. Data

1. Identifying information for the app being invoked. This is often referred to as the “Scheme”. Note that this is the same for the app on all platforms but is different than the AGOL App ID.

2. App specific data or parameters

```
arcgis-explorer://?itemID=1cde286f20b74fa69b3c36dfa1e81a85
arcgis-navigator://?stop=777+East+Alejo+Rd,+Palm+Springs,+California&stop=...&stop=...
```
**Supported Arguments:**

- **itemID** - Web Map or MMPK to open/download on launch
- **center** - center point of map - Lat/Lon, Address, Feature
- **wkid** - provide wkid for Lat/Lon in non-WGS84 spatial reference
- **scale** - scale to display the map at on launch
- **rotation** - custom map rotation
- **markup** - enable markup tool on launch
- **bookmark** - center map on bookmark instead of using center param
- **search** - quickly execute search for feature in map

GitHub Repository: [https://github.com/Esri/explorer-integration](https://github.com/Esri/explorer-integration)
Demo
URL schemes
What’s next?
What’s coming next

Recent Improvements
- Groups in browse
- Magnifier is back
- URL Scheme improvements
- Plenty of bug fixes

Coming soon
- Take web maps offline dynamically from within the app
- Offline imagery support
- Improved search
- UX enhancements

Beyond
- Support advanced offline MMPK capabilities like password protected data and map time-out
- Preplanned offline workflows
- Support for 3D

*Subject to change*
Sneak Peek Demo

New offline capabilities
(time permitting)
Explorer for ArcGIS
Android beta

https://community.esri.com/groups/explorer-beta
Explorer GeoNet site
https://geonet.esri.com/groups/explorer-for-arcgis
Questions?