“If I had asked people what they wanted, they would have said ‘faster horses.’”

Henry Ford
Increased Demand

For authoritative mapping and location-aware apps at work

Trend: Increase demand for location services

Pew Research Center

74% of adults use their smartphone to get directions or other information based on their current location.
Trend: Consumerization of IT

Devices

Social

Apps

Consumerization of IT
Trend: Named User Model
58% Own a Smartphone

87% Using the Internet

2.8 Devices Owned by Knowledge Workers

Source: Pew Research fact sheet on mobile technology
http://www.pewinternet.org/fact-sheets/mobile-technology-fact-sheet/
Trend: Web Browser Market Share...

<table>
<thead>
<tr>
<th></th>
<th>Internet Explorer</th>
<th>Firefox</th>
<th>Chrome</th>
<th>Safari</th>
<th>Opera</th>
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<tbody>
<tr>
<td>March</td>
<td>18.9 %</td>
<td>36.3 %</td>
<td>37.3 %</td>
<td>4.4 %</td>
<td>2.3 %</td>
</tr>
<tr>
<td>February</td>
<td>19.5 %</td>
<td>36.6 %</td>
<td>36.3 %</td>
<td>4.5 %</td>
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</tr>
<tr>
<td>January</td>
<td>20.1 %</td>
<td>37.1 %</td>
<td>35.3 %</td>
<td>4.3 %</td>
<td>2.4 %</td>
</tr>
</tbody>
</table>

http://www.w3schools.com/browsers/browsers_stats.asp
Work used to be a place
Now, work is everywhere
Esri GIS Mobile Solutions

- **ArcPAD** *(tech support, but no further development)*
- **ArcGIS for Windows Mobile** *(tech support, but no further development)*
- **ArcGIS App for iOS and Android** *(no further development)*
- **ArcGIS App for Windows 8**
- **Collector for ArcGIS**
- **Explorer for ArcGIS**
- **ArcGIS Web Application Builder** *(planned for Q4 2014)*
Foundation Apps – Compelling, focused
Integrated Within the ArcGIS Platform

• Targets everyone in the organization
• Intuitive and easy to use
• Configurable, ready to use within your ArcGIS Organization
• Release updates frequently
• Cross-platform
• Cloud and on-premises
Foundation Apps

Supporting Common Tasks
- Collection / Editing
- Viewing
- Mapping
- Analysis
- Awareness
- Communication

* Offline Use

Multiple Devices

... A Core Part of the Platform
What is Collector for ArcGIS?
Collector for ArcGIS

- Mobile app targets field workflow needs

- Collect and update data
  - Using your location or the map
  - Fill out forms
  - Capture media (pictures, videos)
  - Additional tools to help your field workforce

- Types of use
  - Collect asset locations and status
  - Ground-truth their GIS data
  - Make observations/conduct surveys
  - Replace paper-based forms/process
What can you do?

- Open maps shared to you for data collection
- Collect and update features
- Copy features to save time
- Measure lengths and area
- Get directions
- Switch between basemaps
- Search features and places
- Record where you went
• Offline data needs to have full editing capabilities and sync enabled
  - Disable editing at the webmap level if you have layers for read only access
• Tips: leverage domains, subtypes, default values, scale ranges etc.
• Choose symbology for the end user

Collector for ArcGIS: An Introduction
Add your layers to your map

Configure the map: forms, symbology, tools

Share to your field users

- Only show the fields that the end user needs
- Turn off tools the user won't use to do their job (measure, basemap etc)
- Use scale dependency to hide read only layers till they're needed
- Side load basemaps to device to save time

Collector for ArcGIS: An Introduction
Collector for ArcGIS Demo
What's next?

- More tools for planning field work (pre-planned)
  - Prepare your data in advance
  - Pre-package multiple areas
  - Fine-grained sync control
- Smarter data collection forms
  - Auto field population
  - Inherited attributes
  - Related tables
- Editing of versioned data
- Integration of more sensors
- Full support for editor tracking and ownership
What is ArcGIS WebApp Builder?
A Response to the requests by many customers

- HTML5/no plugin
- Configurable apps
- Mobile web apps
- Less programming
Take Advantage of modern HTML/JavaScript technologies

- Pure HTML/JavaScript
- Responsive UI for Devices
- Supports both 2D and 3D
WebApp Builder Demo
Make Ready to Use Apps –OR– App Templates
• Supported platforms?
  IE 9+, Firefox, Chrome, and Safari 3+
• Is AWAB a supported product?
  Yes
• Does AWAB work with Portal?
  AWAB can rely 100% on Portal for ArcGIS, independent of ArcGIS Online.
3D Coming......
What is Explorer for ArcGIS?
Powered by Web Maps

- A native app
  - Discover maps in your organization
  - View information about your assets
  - Collaborate with others
  - Share maps
  - Brief stakeholders
Who is Explorer for?

- Everyone in the organization
  - Executives and managers, policy makers, knowledge workers

- Search for assets
- Get information about your data
- Use your data in meaningful ways
  - Location of assets in relation to each other
What Can you Do with Explorer?

- Explore and Discover Maps
- Use the map
  - Current location, measure, get information, measure
  - Personalize your experience
- Share maps
- Brief stakeholders
- Collaborate
Explore and Discover Maps

- “Try Explorer”
- Favorites
  - Most important maps used on a regular basis

- Navigate for maps
  - My Map, Recent, Groups
Explore and Discover Maps

- Search for maps
  - In the org, OGOL, by owner

- Map details
  - Map meta data (author description, tags)
  - Add to favorites
  - Share
Using the map

- Support for Enterprise logins and OAuth (AGOL)
- Display current location
- Rotate map
- Get distance and area
- View details about a feature
  - Support for all popup media types
Using the map

- Change the basemap
- Change the visibility of map layers
- Enhanced Search
  - Place finding
  - Suggestions
  - Map coordinates
  - Features in the map
Using the map

- **Bookmarks**
  - Authored in the map

- **Personalize your experience**
  - My Places (device specific)
  - Device contacts
  - Multiple Accounts
Sharing the map

- Share map link or Map image (screenshot)
- Air drop (iOS only)
- Email, Text message
- Copy and paste, Save image of Map
- Change map permissions
  - Org only, groups, everyone
Brief Stakeholders

- Playback map presentations
  - Navigate slides
  - Interact with live map
  - View popups
  - Sketch
Collaborate

- Sketch on the map
  - Choose pen thickness
  - Choose pen color
  - Undo/redo
  - Share with other explorer users
Release Plan

• Initial release
  - iOS (iPhone and iPad)
  - Late April/Early May

• Future releases
  - More platforms (Android, Mac and Windows)
  - Web map creation/editing
  - Time aware maps
  - Offline map usage
  - 3D
  - Template-based feature editing
  - Directions
  - Analysis