ArcGIS for State and Local Government: An Overview

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GIS Is Evolving
Influenced by Innovation in Many Areas

Technology
- Big Data
- IoT
- Faster Computing
- Distributed Processing
- Smart Devices
- Consumerization
- Cloud

Content
- Lidar
- Field Survey
- Real-Time
- Sensors
- Social Media
- Crowdsourcing
- Scientific Data
- Remote Sensing

Applications
- Analytics
- Apps
- 3D
- Visualization
- Mobile
- Real-Time
- Collaborative

Implementation
- Configurable
- Agile
- Open
- Easier
- Ready to Use

A Whole New Pattern Is Emerging
Web GIS Shifts the Focus
Updating the Architecture

- Client / Server → Web Services & App
- Stand Alone Desktop → Connected Desktop
- Data Models → Web Maps
- Static Data → Real-Time
- Custom Applications → Configurable Templates and Apps
- All Purpose Applications → Focused Apps
- Stovepiped Data → Open Data & Shared Services
ArcGIS Solutions

- Hundreds of Ready-to-Use Maps & Apps

- Local and State Government
- Utilities & Telco
- Public Safety & Emergency Management
- Military and Security

- No Cost
- Easily Configurable
- Fully Supported

Open Source Solutions

500,000+ Downloads

Delivering Innovation & Best Practices
ArcGIS for State and Local Government
Solutions for Esri’s government customers

- Series of useful maps and apps focused on government work
  - Configurable and extensible
  - Freely available and fully supported
- Community of users
  - Best Practices / Implementation Support
- Network of Esri Services and Partner offerings
  - Help users implement, sustain and enhance

Editing Workflows  Focused Maps and Apps  Analytical Models

Information Model

.....Available on-premise or in the cloud
Our Mission
To help government organizations...

• Deliver maps and applications quickly throughout their organization

• Stay current with future releases / avoid legacy technology

• Deploy a geospatial platform that can be leveraged by many

• Leverage the collective knowledge of the entire community

• And do this with....less staff, budget, and technical expertise
Making an Impact

More than 500K downloads
Over a 140 downloads/day
## Common Goals

<table>
<thead>
<tr>
<th>Healthy Communities</th>
<th>Quality Education</th>
<th>Robust Public Services</th>
<th>Diverse Cultural Opportunities</th>
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<tbody>
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- Quality education
- Smart growth
- Thriving economy
- Healthy communities
- Sustainable environment
- Robust public services
- Diverse cultural opportunities
- Safe communities
Common Challenges

- Budget
- Doing More with Less
- Technical Breadth
- Domain Expertise
Seven Disruptive Trends

1. Technical advancement and innovation is changing everything
2. Maps are a favored framework for communication and understanding
3. Demographics shifts are impacting the workforce
4. Replacement of legacy systems will change how we work
5. Challenges attracting and retaining talent
6. Consumerization
7. Establishment of common business patterns
Maps as a framework for communicating

Realtor.com, Zillow, Trulia
100 billion apps have been downloaded from the App Store.

$30 billion have been paid out to developers so far.

850 apps are downloaded every second.

The average person has 119 apps.

1.5 million apps are now available on the App Store.

195,000 educational apps are available on the App Store to customers.

Consumerization

Are your apps clicking with your citizens?

Fri, 2015-05-29 06:00 -- SCC Staff

Most agree smartphone apps can help people in a host of ways and even build stronger.
Common Experience
Common Experience
New Expectations

Relevant and easy to use
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Show Me!
The Road Ahead
Continuously Evolving Solution Offering

- **New maps and apps**

- **Ongoing application updates**
  - Cloud deployment options, device support, new features, bug fixes, etc.

- **Continued Community Engagement**
  - Meetups, videos, more help, expanded partner & professional services offerings, etc.
It's not just about technology
The Community

Destination where government's can collaborate

Place where developers can contribute

Have ongoing dialog, share success stories and learn from others
Esri's Open Vision

We build ArcGIS as an open platform because we believe in your innovation and we realize that, most of all, you need technology that's reliable, that moves with you at a modern pace.

Here, we give you details about how and why Esri makes ArcGIS open. You will learn about Esri’s relationship to all things open—standards, interoperability, data, APIs, code, and the community.

Interoperability
Our platform-independent approach ensures ArcGIS works well with other products.

Innovation
ArcGIS encourages an environment for innovation and encourages the development of new and unique applications.

Collaboration
ArcGIS is built to foster collaboration within and across organizations.
Getting Started

- Influential factors
  - COTS and configurable solutions strategy
  - Deployment time
  - Technical expertise

- Where do you start?
  - With your business requirements
  - Align them with maps and apps
  - Consider configuration patterns

- Three configuration patterns
  - Complete system adoption
  - Publish and adopt
  - Code and customize

...embrace an agile implementation approach
The Result

Increased value from your GIS platform

• Made it easier to leverage ArcGIS throughout organization
• Addressed many common constraints in government
• Improved service delivery
• Better collaboration between Esri and the user community
Thank You

http://solutions.arcgis.com

http://meetup.com/ArcGIS-for-Local-Government/
http://meetup.com/ArcGIS-for-State-Government/

@ArcGISLocalGov
@ArcGISStateGov

http://esri.github.com