Empowering the City of Altamonte Springs with ArcGIS Online

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Session

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Empowering the City of Altamonte Springs with ArcGIS Online

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Room 24 C
Abstract

The City of Altamonte Springs is leveraging ArcGIS Online to empower non-GIS users with the ability to access, organize and share spatial information in ways that would not otherwise be possible for an organization of our size. Key advantages include the ability to easily create web applications and access content from any device, anywhere. Our hybrid approach hosts public-facing information on the Esri cloud, and sensitive utility information on ArcGIS Server in-house.
ArcGIS Online

Mobile Apps & Public Web Maps

ArcGIS Online

• Promoted as an easy way for GIS & non-GIS users to create and share their own maps.
• We recognized opportunity to provide:
  – **Mobile** mapping through the free ArcGIS App
  – **Public-facing web maps** and downloadable layers
    • Reduce load on our own City servers
ArcGIS Online

Advantages

- Serve Entire Organization / Enterprise
  - Groups, Users
- No software to install
- Esri maintains, adds new features & functionality over time:
  - Analysis, Location Analytics

Enhances your GIS capabilities:
- Small staff can deploy apps like a bigger organization
- Maps and Apps – ready to configure
- Solves Multiple Issues - In our case:
  - Mobile Apps
  - Public Facing Web maps
Security
Reverse Proxy

• Control Access from web to City servers
• Web Adaptor
• Access through Reverse Proxy URL
• DMZ
ArcGIS Online & ArcGIS Server

Public layers (Zoning)
• Hosted on ArcGIS Online Cloud

Sensitive layers (Utilities)
• Hosted on City’s ArcGIS Server
• City Login Required

Combine Services as needed
ArcGIS Online - Desktop Home Screen

Empowering the City of Altamonte Springs with ArcGIS Online
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Groups
Based on Departments
Groups

Banner Group for Home Page
Groups – Public Maps and Downloads

Esri UC 2014
Empowering the City of Altamonte Springs
with ArcGIS Online
Public Map Gallery App
GIS Downloads - Configuration
ArcGIS Online & Mobile ArcGIS App
Managers & Field Workers

Managers
- Access to Information Anywhere
- Meetings, Presentations
- Out of office

Field Workers (PW)
- Access Utility Network maps from field
- Query/Identify Capability
- Still working on:
  - Edit
  - Access Record Drawings in the Field
Mobile Platforms

iPad
• Advantages
  – Easy to use
  – Cheaper than ruggedized tablet
  – Free ArcGIS App
• Disadvantages
  – Not Ruggedized
    • Lifeproof impact proof (MIL STD 810F-516) and water proof
  – Not Sunlight Readable
    • Porta-Brace Hoodies
  – Cannot browse Record Drawings (TIFs and PDFs)
    • GoodReader App

Ruggedized Windows Tablet
• Windows 7 (City not on 8 yet)
• Advantages:
  – Ruggedized
  – Easy to load and view Record Drawing (TIFs and PDFs)
• Disadvantages:
  – No ArcGIS App for Windows
    • Use ArcGIS Online web page instead
ArcGIS App Authentication

1. ArcGIS Online Sign In

2. ArcGIS Server Map Services (Sensitive Layers)
Empowering the City of Altamonte Springs with ArcGIS Online

ArcGIS Online
Growth Management

User Combined Services
To Create Custom Map

Parcel Information Popup
Public Works

Utilities – Layer On/Off

Utilities - Popup
Inventory

Streelight Inventory
Public Works

Tree Inventory
Leisure Services
Empowering the City of Altamonte Springs with ArcGIS Online
ArcGIS Online Public Web Maps

Before AGOL: One Static Map on City Website

ArcGIS Online Public Map Gallery Template
• Configured to support 2 separate web pages:
  – Public Map Gallery
  – GIS Download Gallery
• Create Groups to handle content:
  – Public Maps
  – GIS Downloads
Public Web Maps
Hosted on ArcGIS Online

Public Web Maps
• Hosted on ArcGIS Online:
  – Public Layers
  – Web Maps
  – PDF Maps
  – GIS Data Downloads
• No load on City servers
• No sensitive layers
  – (ie no Utilities)
Public Galleries
Maps & GIS Downloads

City of Altamonte Springs Maps

GIS Downloads

Empowering the City of Altamonte Springs with ArcGIS Online
Public Gallery Maps
GIS Download Link in Details
Summary
Our Experience with ArcGIS Online

• Mobile Solution
  – Managers
  – Field

• Public Web Maps

• Public and Secure Services (combine as needed)
  – ArcGIS Online - Public Services
  – ArcGIS Server - Secure Services

• Expands your reach as a GIS professional
  – Like having developers on staff
  – “Don’t customize, configure!”
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Questions ?

Thank you!

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