MOBILE AND DESKTOP

WINONA COUNTY/CITY WEB G.I.S APPLICATIONS

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INTRODUCTION

- Overview of our apps
- Demos of the Applications
- Scripting Example
- Google Mashups
- Wrap-up

Overview

- **2012: Deprecated old map viewers**
  - *County (GEOCORTEX IMF)*
  - *City (Server Web ADF)*
- **Why?**
  - *ESRI retired Web ADF at Server 10.1 release*
  - *Enrich the user experience with newer offerings (flex, Silverlight, Javascript based apps).*
- **Before Q4 2012, had only 2 viewers for all (City and County).**
- **Post Q4 2012: – 5 Desktop viewers, 3 mobile viewers**
- **Currently averaging ~1500 “hits” / month**

Development Platform

Software: Geocortex Essentials
Vendor: Latitude Geographics Group Limited (Canada, BC)

- Highly configurable viewers.
- Many configurable attributes
- Report Designer (Print templates, Mailing Labels, Parcel reports)
- Work flow designer eases creation of new viewer commands
- Data linking wizards (external data source to spatial data)
- Nice web based Admin and Configuration GUI (using Web forms)

Our Apps

Desktop

Public

- Parcel viewer (County)
- Parcel Viewer (City)

Internal

- County Assessor's Viewer
- County Planning/Recorders
- City Internal Viewer

Mobile

AGOL

- Emergency Siren Inspector Applications

Geocortex HTML 5 Viewers

- Mobile Parcel Viewer (City)
- Firefighter's App (City)

Example of Internal App

<u>Assessor's Web editing App</u>.

- Used for editing parcel land use feature class
- Resulting feature class used for "Ag" land valuations using (custom tool from Schneider Corp)

Coming Soon……

- County Mobile Parcel Viewer
- Garbage scheduling and Routes App
- Highway Culvert Data collector
- A bunch of Story maps …..
- County Inspections scheduling, and reporting

Demo

- Desktop Viewer
  - http://gis.winonaco.com/SilverlightViewer1_8/Viewer.html?
- Mobile Viewer
  - http://winonaco.com/Html5viewer12/index.html?viewer=fireApp

Questions?

Python script for refreshing website data

AUTOMATING OPERATIONS

Problem Definition

- Problem :
  - Most of our parcel attributes are "pulled" from TAX system (TAXCAMA).
- Manual process took about 15 minutes (at the very least ☹)!
- Very inconveniencing to users
  - Websites services interrupted
  - All ArcSOCs and ArcSOMs had to be stopped
  - Schema locks where a big bottleneck

Script as seen in Model builder

Code for “Populate Owner Field”

```
'1st create a block list that we can use in a string search
Dim Blocklist
Blocklist = " 325220390 322800030 322800020 325290060 323190090 325880090 324001660
      325850660 321710230 321750240 320950220 320450050 325050580 320320170 325890060
      325800100 322890070 322800260 323600330 321600620 325870040 323450240 "
'Then the variable to take the name supplied from current table
Dim newname, PID
PID = Cstr([PIN])
'Now for the comparison

If  Cstr(Instr(2,Blocklist, PID))> 0 then
  newname = " "
Else
   newname = [PRIM_TAXP_SORT_NAME]
end if
```

Scripting

- Save as .py file
- Copy to server
- Make sure server has py.exe file
- Add script to task scheduler (That's it folks ☺).

Scripting

RefreshSQLGDBtable Properties (Local Computer)
General
Triggers
Actions
Conditions
Settings
History
Name:
RefreshSQLGDBtable
Location:
\
Author:
WINONA\plfdm
Description:
Deletes outdated SQL table (Current Parcel Data) and copies records from from C-Down Maintenance (Tax CAMA), computes OWNER NAME field, ADDRESS Field; masks names that City doesn't want to be Public (from a list generated by Jeanne); Updates the Parcel ID field
Security options
When running the task, use the following user account:
WINONA\plfdm
Change User or Group...
Run only when user is logged on
Run whether user is logged on or not
Do not store password. The task will only have access to local computer resources.
Run with highest privileges
Hidden
Configure for:
Windows Vista™, Windows Server™ 2008
OK
Cancel

Scripting

General | Triggers | Actions | Conditions | Settings | History

When you create a task, you can specify the conditions that will trigger the task.

Trigger	Details	Status
Weekly	At 2:30 AM every Friday every 2 weeks, starting 10/4/2013	Enabled

RefreshSQLGDBtable Properties (Local Computer)

General | Triggers | Actions | Conditions | Settings | History

Number of events: 28

Level	Date and Time	Even...	Task Category	Operational Code	Correlation Id
Information	11/1/2013 2:33:51 AM	102	Task completed	(2)	0499574a-8...
Information	11/1/2013 2:33:51 AM	201	Action completed	(2)	0499574a-8...
Information	11/1/2013 2:30:00 AM	129	Created Task P...	Info	
Information	11/1/2013 2:30:00 AM	200	Action started	(1)	0499574a-8...
Information	11/1/2013 2:30:00 AM	100	Task Started	(1)	0499574a-8...
Information	11/1/2013 2:30:00 AM	319	Task Engine rec...	(1)	
Information	11/1/2013 2:30:00 AM	107	Task triggered ...	Info	0499574a-8...
Information	10/18/2013 2:33:53 AM	102	Task completed	(2)	b3a250e2-b...
Information	10/18/2013 2:33:53 AM	201	Action completed	(2)	b3a250e2-b...

Event 102, TaskScheduler

General | Details

Task Scheduler successfully finished "{0499574a-8935-47cd-98c0-aaafe18b7c97}" instance of the "\RefreshSQLGDBtable" task for user "WINONA\plfdm".

Log Name: Microsoft-Windows-TaskScheduler/Operational

OK | Cancel

Works like a charm ☺

Questions?

Google Mashups

- What are Map Mashups?
  - Map interface that uses more than one source
  - Examples: Google maps, ESRI base layers, Yahoo pipes, Bing maps, RSS feeds, podcasts
  - Doesn't require lots of programming skill
- Demo "Virtual Charlotte"
  - http://vc.charmeck.org/
- Demo "Health Map Care"
  - http://www.gamap2care.info/Locator.html#

Questions?