



# District of Columbia Geographic Information System Steering Committee July 18<sup>th</sup> , 2012

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# Agenda

- GISSC Business
- GIS News
  - ❖ Google Earth DC Server Upgrades
  - ❖ Project Updates, New Applications and Migrations
- GIS Executive Committee Election via Quorum
- ArcGIS 10.1 Deployment – Zhen Lo
- ArcGIS.com for Organizations - Alex Santos
- Data Report – Mario Field
- Training Report – Eva Stern





# Introductions & Quorum





## Minutes from last meeting





## News and Notes



- OCTO GIS Program Manager- still unfilled
- Summer Youth – effort underway with DCBID.
- SBI-Grant - prep'ing for Fall 2012 due Sept 30, 2012 – Deployed Speed Test and Public Survey
- ArcIMS/AGS Application Conversions: CrimeMap, PSA Finder, Flood Map, Watershed Finder
- Many other application enhancements- TOPS, GoDCGo, Office of Aging, Circulator Map etc
- DC GIS/OP Tools & All-In-One Migration
- DDOE Mobile Water Quality Inspection Project
- HSEMA Storm Support and 4<sup>th</sup> of July



## News and Notes



- MAR & VPM Updates
  - ANC 2013 and SMD 2013 values are now in the MAR
  - Working with agencies on new political updates (Ex. BBOE)
  - New large residential large developments were added / updated (Villages at Dakota Crossing, The Hampshires, Rhode Island Row).
  - Census and Political Boundary updates
  - Updates for place names, including Embassies, named bridges, Post Offices, Statues, Intersections
  - Over 600 new Lots created, including final 48 Reservations



# GIS ExCom Election



- Nominee Introductions
- Ballots Vote



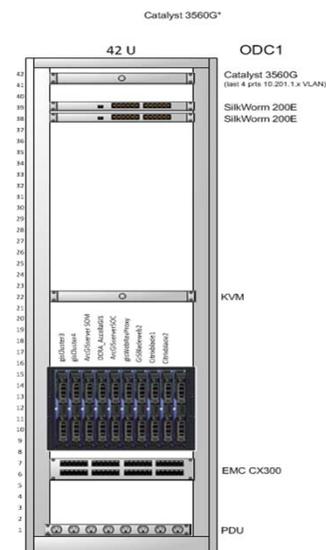
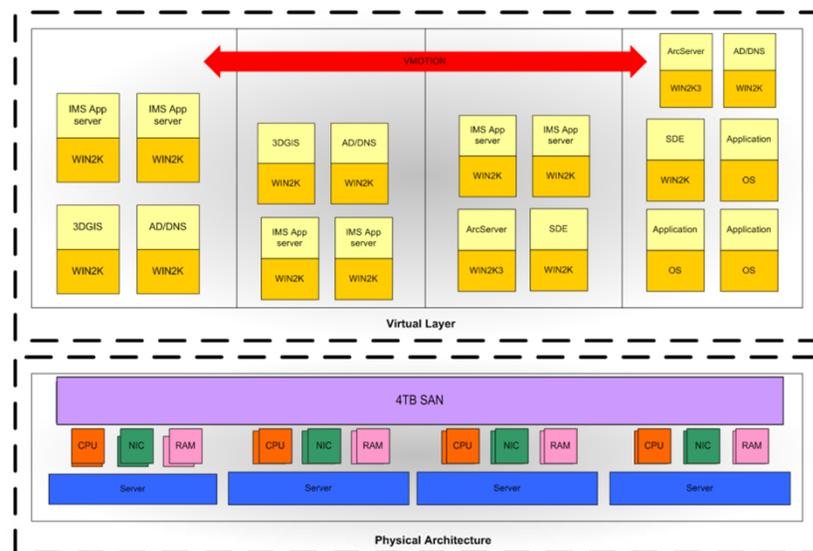
# Migration Path to ArcGIS 10.1 Deployment Zhen Lo





## 2009-Present day

- GIS virtual infrastructure currently in Unified Computing Platform (private cloud) operated by OCTO
- Oracle RAC cluster expands to 3 nodes and 1 node redundant dataguard system
- ArcGIS Server infrastructure deployed
- Have over 115 unique maps services



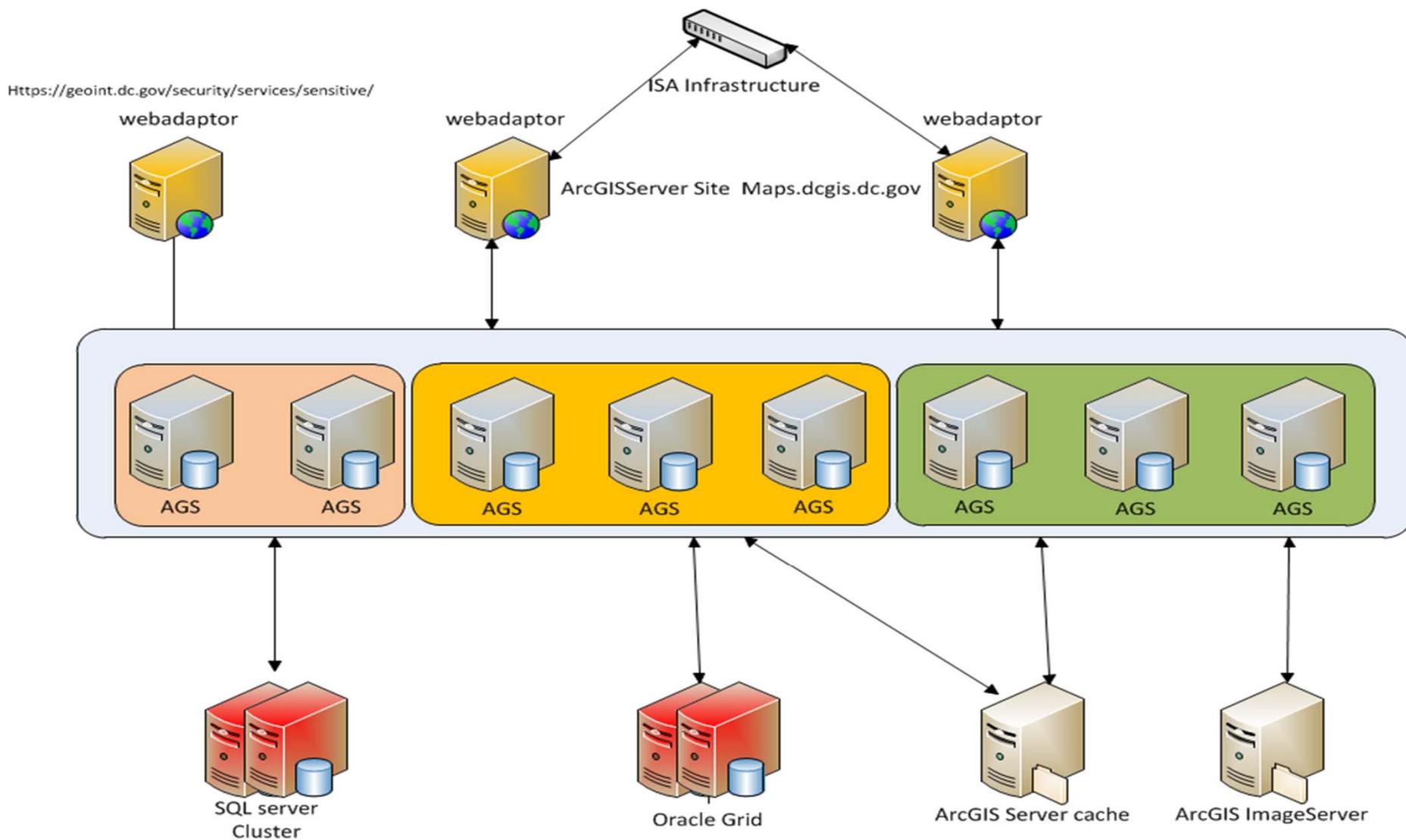


## ArcGIS 10.1 Rollout

- Citrix read-only layer files will hit ArcGIS Server services
- Rebuild of DCGIS/OP Tools (presently in VB6 will be C#)
- Publishing maps and services on ArcGIS online with accounts
- Support for special projects that require database versioning and web transaction editing will be available on SQL Cluster
- ArcGIS Server Architecture redesigned to be more stable and scalable
- Oracle RAC Cluster will move to the Oracle Grid



# ArcGIS Server 10.1 Architecture





## Tentative Timeline



- ArcGIS Server 10.1 Now – Available Aug 1
  - But [maps.dcgis.dc.gov](http://maps.dcgis.dc.gov) url is dependent on app migration
- Citrix 6.5 with ArcGIS Desktop 10.1 -- Oct 1
- DCGIS Central Oracle Grid 11g cluster – Nov 1
- SQL Cluster 2010 – Now
- vCloud Director (test environment) – future



# ArcGIS.com for Organizations (DC)

## Alex Santos





# ArcGIS Online for DC



- Goals
  - enable faster creation and access to maps and data
  - Shorter application development and deployment time
  - Hosted app capabilities, web map templates
  - Leverage the DC Central GIS/IT infrastructure



# ArcGIS Online for DC



- Data Sharing
  - Within Agency
  - Agency to Agency
  - Peer to Peer
  - Agency to Public
- Question:
  - Public to Government – ability to add/edit?)
  - Authoritative Data?



# ArcGIS Online for DC



- Roles
  - Administrator – OCTO GIS – managing users, access levels and content storage.
    - Maintenance of basemap gallery and feature content
    - Branding
    - Public facing AGO
    - Training and Support
    - App Development
  - Publishers – Agencies
    - Create web maps and data
    - Push content through ArcGIS 10.1
  - Users – Agencies
    - Create web maps and data



# ArcGIS Online for DC



- Role Questions
  - Administrator – to what extent does OCTO GIS enforce? Integrate DC gov web standards?
  - Publishers – GIS “leads” only? Who decides? Some agencies do not have a “lead.”
  - Publishers – allotment of credits? Feature Service, caching, tiling limits?
  - Difference between users and publishers is ArcGIS 10.1 publishing.



# ArcGIS Online for DC



- OCTO GIS tasks
  - Sort out current tech issues
    - Basemap access outside DC
    - IE8 compatibility for legend symbols
  - Develop web map templates
  - Develop apps
  - Build out Map Gallery
  - Develop training
  - Continued branding development – “sexy”
- GISSC/Agency Tasks
  - Create Sub-committee
  - Create project plan – draft available
  - Start creating maps!
  - Involve OCTO when identifying tech issues



# ArcGIS Online for DC



- Other Considerations
  - Use of privacy sensitive data – is this an acceptable place?
  - Ability to use licensed data – example, can we use BusinessPt?
  - Group Management – needed?
  - Pricing for Credits?
  - Vendor and Contractor access/use?
  - Creating map galleries



# ArcGIS Online for DC



- Who wants to be on the AGO Sub-committee?
- Demonstration

HOME GALLERY MAP GROUPS MY CONTENT Find maps, applications and mo...

## City of Washington, DC Geographic Information System

Featured District Agency Maps

- Cooling Centers for DC
- Quality Schools: Every Child, Every School

Welcome to DC government's BETA ArcGIS Online community. This website implements implementations built using the ArcGIS Online cloud.

The District of Columbia Geographic Information System (DC GIS) provides geospatial data and enterprise applications. As a technology, GIS empower application tools that support better decision-making and performance. Lea services provided by the DC Government by visiting the links below.

Make a Map »

ArcGIS Build cu maps a

Esri.com | Terms of Use | Privacy | Contact

HOME Cooling Centers for DC

Details Add Basemap

### Legend

#### DC Cooling Stations

- Emergency Homeless Facility
- Indoor Pools
- Outdoor Pools
- Public Housing Senior Citizens
- Senior Cooling Centers
- Spray Parks
- Walk to Learn Pools (for ages 12 and under)

Map showing various cooling stations in Washington, DC.

## City of Washington, DC: Gallery of Maps

### Featured District Agency Maps

Share recent online maps with this group to be featured on the DC ArcGIS Online homepage.

Search maps

- Cooling Centers for DC
- Quality Schools: Every Ch...

#### Description

This group is used for the purposes of highlighting new and recent District agency ArcGIS online maps. These will appear in the featured content directly beneath the home page banner. The DC ArcGIS online administrator manages this content.

DC Cooling Stations	
Name	Harry Thomas
Location	Lincoln Road & Seaton Place, NE
Type	Outdoor Pools
Ward	5

Zoom to



# Data Report

## Mario Field





# Updated Datasets



- Above Ground Storage Tank
- Aerial Photography 2010/2011 Hybrid
- **ANC - 2013**
- Bus Stop
- Car Sharing Site
- Capital Project 2012
- Cemetery
- District Agency
- Digital Inclusion Site
- Future Land Use
- Green Site
- Grocery Store
- Historic District
- Historic Landmark Element
- Historic Landmark Point
- Historic Landmark
- Historic Landmark Site
- Liquor License
- Library
- Notary Public
- Office of Aging - Lead Agency Location
- Other Bus Line
- Policy
- Police Service Area
- Potential District
- Potential Landmark
- Public School
- Public Housing
- **SMD - 2013**
- Senior Service Network Location
- Speed Camera
- Street Centerline
- Street Light
- Street Tree
- **Voting Precinct - 2012**
- Water Surge (Hurricane Cat)
- Wireless Hot Spot
- Zipcodes



## Next Data Load



- **Car Share**
- **Community Gardens**
- **Metro Lines – Rush Plus**



# Top 10 Downloaded Shapefiles

Since January 1, 2010 - over 750k downloads of agency contributed data!

<b>FILENAME</b>	<b>COUNT</b>
<b>RoadPly.ZIP</b>	<b>3653</b>
<b>BldgPly.ZIP</b>	<b>3573</b>
<b>DCBndyPly.ZIP</b>	<b>2983</b>
<b>ParkPly.KMZ</b>	<b>2837</b>
<b>StreetSegmentLn.ZIP</b>	<b>2780</b>
<b>WaterPly.ZIP</b>	<b>2544</b>
<b>TopoLn.ZIP</b>	<b>2483</b>
<b>BldgPly_3D.zip</b>	<b>2413</b>
<b>BicycleLane.zip</b>	<b>2295</b>
<b>ParkPly.ZIP</b>	<b>2226</b>



# Top 20 Downloaded Google Files

Since January 1, 2010

FILENAME	COUNT
ABRALicenseePt.KML	1325
Tract60Ply.KML	1192
HubZones.KML	1177
DCAgencyPt.KML	1133
RecPly.KML	1112
ANC02Ply.KML	1109
TargetedEmploymentAreaPly.KML	1099
AirEmissionPt.KML	1093
CulturePly.KML	1036
AMPt.KML	1029
ChrtSchPt.KML	1028
SignedBikeRoute.KML	1023
ANC90Ply.KML	1021
ASTpt.KML	1015
HistStLn.KML	1007
RecOutdoorPly.KML	994
AbandonedVehicleInspectionArea.KML	972
BrgPoint.KML	969
AlleyLn.KML	959
AddressPt.KML	956



# Training Report

## Eva Stern





# Training Report



## Class Attendance as of July 17<sup>th</sup>, 2012

- Overview: 50
- Google DC: 57
- ArcGIS: 17

## Advanced Training

- 30+ Credits will be available to FTEs for FY 2012
- 13 employees registered
- DDOT, DDOE, DPW, FEMS, OCFO, OCTO, OP
- Courses to be completed by close of FY 12



# Training Report



## Upcoming Classes

- GIS Overview
  - 8/8
  - 9/12
- ArcGIS
  - 9/26 and 9/27
- Google (Earth) DC
  - 8/15
  - 9/19



# Training Report



## Upcoming GIS and Education Events

- August 22<sup>nd</sup> (Tentative) – DCPS professional development for teachers event
- TAGS DC – 2<sup>nd</sup> annual program



DC GISSC Adjourned  
Thank you