

# MD iMAP NG SYSTEM REQUIREMENTS

OCTOBER 9, 2012



# iMAP NG SYSTEM REQUIREMENTS

- Migrate to latest server platform
- Better Organization of Data
- Enhanced Services Capability
- Provide Public / Secure Services
- Support Next Gen Viewers / Applications
- Increase Exposure of Public Services

<http://imap.maryland.gov/>

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# A FEW TECHNICAL SPECS

- Virtual Environment
- OS – Windows Server
- DB – MS SQL Server
- AGS 10.1 / IIS
- Internet / SwGI
- SDE Connection
- Remote Accessibility / Administration

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# SYSTEM MIGRATION

## iMap

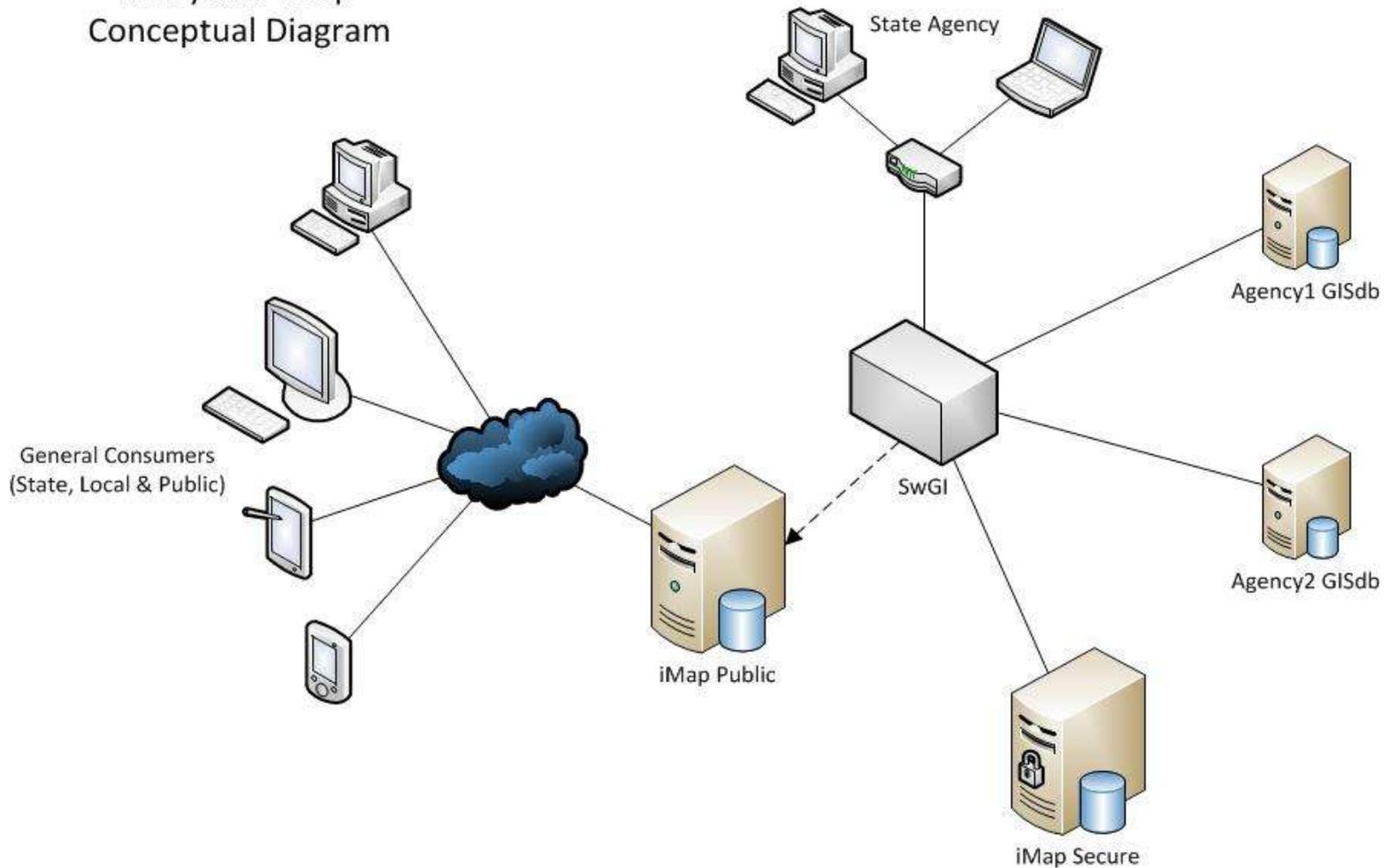
- AGS 10.0
- Towson CGIS
- Continues to operate
- Existing services only
- Variety of viewers
  - Flex, JavaScript, Silverlight
- Shut down after conversion (~1 year)

## iMap NG

- AGS 10.1
- Hybrid Approach
  - CGIS, Cloud, DoIT
- New Data Structure
  - Migrate select existing
  - New services
- HTML 5 / JavaScript viewers (cross-platform)

# iMAP ENVIRONMENT

Maryland iMap  
Conceptual Diagram



# ENHANCED SERVICES CAPABILITY

- Existing cache tiled services
- ArcGIS Feature Service
- OGC Compliant Services (WMS, WFS & KML)
- Image Service (analysis & re-projection)
- LiDAR (hosted at ESRGC)
- Geocode Service (MDP parcel, road centerlines)
- Geometry Services (buffering, calc. area/length)
- Geoprocessing Services (models etc. as needed)

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# iMAP NG – TWO FLAVORS

## Public

- Towson CGIS / Cloud
- Internet Access
- Common / Open datasets
- Public facing apps

## Secure

- Towson CGIS / DoIT
- SwGI Access
- Sensitive / Restricted datasets
- Internal / Secure apps and services

# GREATER EXPOSURE OF DATA

Firefox Maryland iMap Portal

Firefox State of Maryland iMap

Firefox Maryland StateStat

Firefox ncr\_geospatial\_data\_exchange.pdf (appli...)

proceedings.esri.com/library/userconf/mug11/papers/ncr\_geospatial\_data\_exchange.pdf

ncr gdx

National Capital Region Geospatial Data Exchange

Welcome, Heidi Hammel My Profile | Contact Us | Admin | Logout

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**Libraries**

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Title	File type	Posted by	Organization	Partner	Upload Date	Rating
> Rockville City Facilities	ArcGIS REST	Marc Weinschenker	City of Rockville	Maryland	12/05/11 14:34	☆☆☆☆+
> Rockville City Boundary (line)	ArcGIS REST	Marc Weinschenker	City of Rockville	Maryland	12/05/11 15:33	☆☆☆☆+
> Maryland Cover Crops	ArcGIS REST	MDAdmin MDAdmin	Maryland	Maryland	11/05/11 18:22	☆☆☆☆+
> Maryland Offshore Shipping lanes	ArcGIS REST	MDAdmin MDAdmin	Maryland	Maryland	11/05/11 18:19	☆☆☆☆+
> Maryland Transportation Services	ArcGIS REST	MDAdmin MDAdmin	Maryland	Maryland	11/05/11 18:18	☆☆☆☆+
> Population Growth Rates: Maryland 2009 - 2014	ArcGIS REST	MDAdmin MDAdmin	Maryland	Maryland	11/05/11 18:15	☆☆☆☆+
> Maryland National Register of Historic Places	ArcGIS REST	MDAdmin MDAdmin	Maryland	Maryland	11/05/11 18:07	☆☆☆☆+
> Maryland Multi-Family sites	ArcGIS REST	MDAdmin MDAdmin	Maryland	Maryland	11/05/11 18:00	☆☆☆☆+
> Maryland 100 Year Flood Plan	ArcGIS REST	MDAdmin MDAdmin	Maryland	Maryland	11/05/11 17:51	☆☆☆☆+
> Maryland State Health Data	ArcGIS REST	MDAdmin MDAdmin	Maryland	Maryland	11/05/11 17:47	☆☆☆☆+
> Maryland Inland Waters: Wetlands; map	ArcGIS REST	MDAdmin MDAdmin	Maryland	Maryland	11/05/11 17:30	☆☆☆☆+

MD / PHOTO SCIENCE

Touchstone

TechGlobal, Inc. Web GIS Solutions

GIS Custom Inquiries Solutions

# MAP VIEWERS & APPLICATIONS

Problem Solver | Maryland.gov | Online Services | State Agencies | Phone Directory

Search

Email Friend print page

## MARYLAND MD iMap

IMAP HOME ONLINE MAPS SERVICES ADMINISTRATION PARTNERS DEVELOPERS HELP

### Interactive Online Maps

**ADMINISTRATION**  
The MD iMap Technical Committee  
Standards, Policies, Procedures

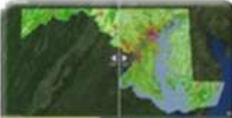
**TECHNICAL INFO**  
Information Architecture  
How Data is Collected and Used

**MORE RESOURCES**  
Concept Documents  
Hurricane Irene  
Ideas for MD iMap Updates  
Ramona - Nationwide GIS Inventory

**MDiMap Alerts**  
Alerts on Twitter  
Stay tuned with **twitter**  
Instructions for Alerts

### MD iMap Applications

The list of applications developed using the MD iMap infrastructure and services is growing. You can find many at the locations below:

 <b>Septics Bill Guidance</b> Septics Guidance Map	 <b>Compare Land Use Land Cover</b> Compare LULC Map	 <b>Compare Population Growth</b> Compare Pop Growth Map
 <b>Redistricting</b> Redistricting Mapper	 <b>2010 Census</b> Census Mapper	 <b>American Community Survey</b> American Community Survey
 <b>AGPRINT</b> AgPrint	 <b>MD Broadband</b> Maryland Broadband	 <b>GREENPRINT</b> GreenPrint

**Governor Martin O'Malley**  
Lt. Governor Anthony G. Brown

**Service Alerts**  
No Current Service Alerts

**MD iMap in the News**  
Compare Population Growth Map is now available on the MDP website at MD Population Growth.  
Evaluate the average population growth rate for two time frames, 2000 - 2006 & 2006 - 2011 with just a swipe. Check it out on your desktop or mobile device.  
Compare Land Use Map is now available on the MDP website at Land Use/Land Cover Change.  
Visually assess MDP's 2002 & 2010 land use/land cover datasets with just a swipe. Check it out on your desktop or mobile device.  
[View old News items >](#)

**Upcoming Events**  
MD iMap Tech Committee Meetings are held on the 1st and 3rd Tuesdays from 1:00 - 3:00 at MDE.

Jason Keppler  
Senior GIS Analyst  
Geographic Information Office  
Department of Information Technology  
410-260-7872  
jason.keppler@maryland.gov

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