



MD iMAP 2.0

Maryland Department of Information Technology
Geographic Information Office
MD iMap Technical Committee
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EXISTING MD iMAP

- Current Environment
 - Hosted by Contractor
 - Esri ArcGIS Server 10.0 Platform
 - Purely Physical Infrastructure
 - 250+ Map Services
- Why are we upgrading?
 - Utilize Up-to-Date GIS Technology
 - Support System with New Virtual Hardware
 - Reorganize & Reposition Map Services

WHAT IS MD iMAP 2.0?

- An enterprise statewide mapping system that....
 - ...has high availability
 - ...has enhanced performance
 - ...has new capabilities
 - ...has authoritative data
 - ...is scalable
- Supporting more users and more data without sacrificing performance
 - Map Services
 - Imagery
 - LiDAR
- Hosted by DoIT

MD iMAP ARCHITECTURE

- Fully Virtualized Systems
- Esri ArcGIS Server 10.2.1 Platform
- Clustered GIS Servers
- Multiple Environments
 - Development – “Sandbox” for new GIS technologies
 - Staging – Review of data and services for customers
 - Production – Data and services available to the general public
- Multiple “Sites”
 - “Public” – Services available for use, data available for download, open source compatible
 - “Non-Public” – Application specific services, Services requiring security

MD iMAP SERVICES

- New Categories
 - Based on ISO Standards
 - Some Modifications to Support Local Needs/Interests
- Consolidated Services
 - Fewer services – More Layers
- New Functionality
 - Data Downloadable, WMS & WFS Enabled
 - Dynamic Workspaces Enabled
 - Change Symbology
 - Change Layer Order

MD iMAP DATA

- Data
 - Authoritative Data
 - Working with each provider for new and updated data
 - Establishing a regularly scheduled update process
 - Relevant Identifiers
 - Maintaining useful alias names for identification
 - Metadata
 - All data will have complete metadata
- Data Submission (*New Option for State Agencies*)
 - Providers will submit directly to MD iMap Database
 - Database access restricted to individual agency GIS groups and GIO

MD iMAP – Going Forward

- Current Infrastructure to be Decommissioned on **JUNE 30, 2014**
- Cooperation is Key!
 - GIO will...
 - Supply a list of existing services/data and where they go in the new MD iMap – New, Moved, Removed
 - Work with data providers to get updated data, with appropriate field aliases, and metadata
 - Solicit feedback on new MD iMap system performance
 - Work with data providers to identify POC and frequency of data updates
 - Work with State Agencies to establish connections for new data submission option
 - Provide updated documentation for all users

MD iMAP Questions/Comments Contact Us

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