Making Web Maps Powerful and Easy

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Background

- County of Los Angeles Enterprise GIS (eGIS) membership
  - 21 departments

- eGIS Data Repository
  - 15 spatial databases
  - 548 datasets

- Goal is for all departments to have an online web mapping application that showcases their datasets along with customized tools, functionalities, and appearance
Technology

- Esri
  - ArcMap – publish map services and caches
  - ArcGIS for Server – provides functionalities such as dynamic drawing, query, search, and enables vector feature editing

- Latitude Geographics
  - Geocortex Essentials with Viewers for Silverlight and HTML5
    - Extends functionality of Esri’s ArcGIS for Server
    - Create and manage web mapping applications

- Optimizer
  - Provides overview of performance, network traffic, and usage figures
Geocortex Components

- Viewer
- Applications (Silverlight and HTML5)
- ArcGIS Server
- REST services
- Data interaction & Search
- Custom Tools
- Security
- Workflows
- Reports
- Printing
- Charting
Demo

- GIS Viewer
  - Showcases the County’s authoritative dataset
  - Silverlight [http://gis.lacounty.gov/gisviewer](http://gis.lacounty.gov/gisviewer)
  - HTML5 [http://egis3.lacounty.gov/m/?viewer=demo](http://egis3.lacounty.gov/m/?viewer=demo)

- Parcel Viewer (Silverlight)
  - Contains parcel ownership information
  - [http://gis.lacounty.gov/parcelviewer](http://gis.lacounty.gov/parcelviewer)
Optimizer

- Captures, organizes, and analyzes information about our ArcGIS Servers
  - Emergence of patterns and trends
- Allows proactive planning
- Reports are generated and emailed every night
- Set alarms to watch CPU, memory, map services, sites, etc.
- Dashboard
  - [Server statistics](#) (all servers)
  - [Site statistics](#) (all sites)
  - [Unique users](#) (GIS Viewer)
  - [Dynamic map statistics](#) (election day)
Conclusion and Future Work

- Geocortex allows us to build web mapping applications fast without compromising quality
- Geocortex targets multiple platforms
- Work with each department to establish a viewer
  - Training
- Simplify user interactions via workflows
- Follow usage trends of Silverlight and HTML5 viewers
Thanks! Questions?

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