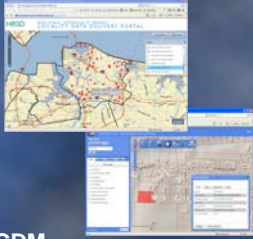


Spring NEARC 2010

Flipping to Flex..
Up's, Down's and Sideways



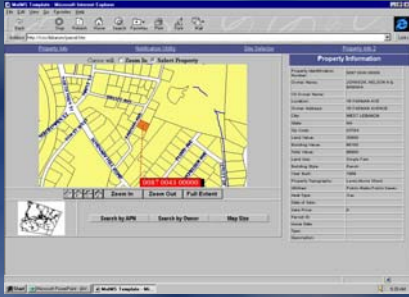
CDM
 Jayson Brennen
 brennenjd@cdm.com

Kicking it Old-Skool

A Quick Look into Past
 WebGIS Programming
 Environments

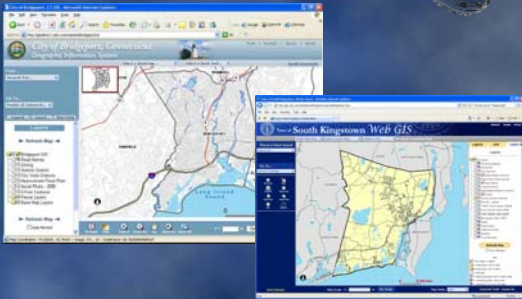


Kicking it Old-Skool



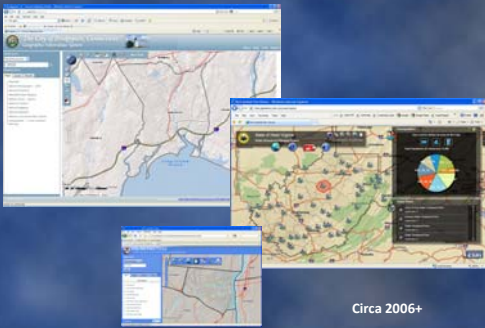
MapObjects IMS - Circa 1998

Kicking it Newer-Skool



ArcIMS - Circa 2003+

Then Came ArcGIS Server...



Circa 2006+

ArcGIS Server – The Wild West



Many Ways to Tame the Beast

- .NET (ArcObjects)
- Java
- Javascript
- Flex
- Silverlight
- Sharepoint (new)

Some Cool Things about AGS...

- ◆ Speed = Pretty Darn Fast
- ◆ Web Apps = Very Attractive and Focused
- ◆ Templates = Easy to Create a Basic Site (resources.esri.com)
- ◆ Can Leverage Multiple Map Services, Caching, and GeoRSS
- ◆ In 10... Data Extraction Tools, Advanced Editing, Time Analysis, iPhone Mobile, Amazon Cloud



Implementing that ArcGIS Server Application

- ◆ Templates are a Good Start but only get you "so far".
- ◆ Need to Select an API (Flex, Silverlight, .NET, etc.)
- ◆ Can Leverage Sample Code in ESRI Resource Center
- ◆ Programming a Custom AGS App = Not for the Faint of Heart
- ◆ Think Focused and Quick-Hitting vs. ArcIMS's One-Size-Fits-All application

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Municipal Apps Most Likely Flex, Silverlight, or .NET... maybe JS.

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resources.esri.com

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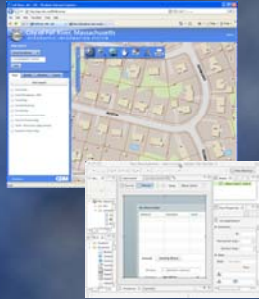
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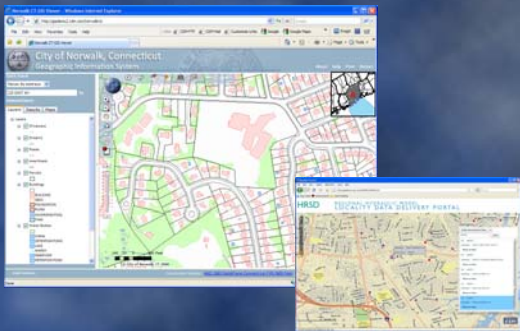


Things You Will Need...

- ◆ The Mother of all Optimized MXDs
- ◆ Maybe Multiple Services, Caches, Related DBs, Geometry Services
- ◆ For ESRI Templates... Can edit with a Text Editor
- ◆ For Custom Apps... Above Flex Builder or Visual Studio and a Real Programmer

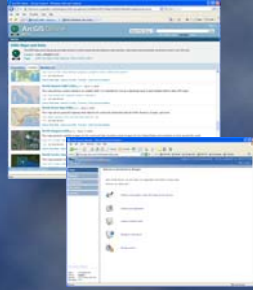


The Goods..



Things To Consider...

- ◆ If Developing In-House, try the ESRI Templates
- ◆ If Developing Custom, Hire Someone or Purchase
- ◆ Think About Using Free On-Line Base Map Services and Mash-Up with your Data
- ◆ Simplify Application Configuration through Databases
- ◆ Simplify, Start Small and Grow, Be Quick and Nimble



Some Comments, Opinions, and Quasi-Facts

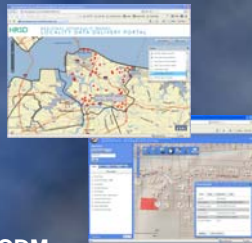
- ◆ ArcGIS Server is the "Real Deal"
... Fast, Powerful, Integrated
- ◆ ArcIMS Will Go Away
... Start Planning for Replacement Now
- ◆ ArcGIS Server Opens-Up a New Realm of Possibilities
... Streamlined, Focused Applications, Web and Mobile
- ◆ Think "Big Picture" about GIS Future Applications and Your GIS Program
- ◆ AGS Will Take Your Environment to the Next Level



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