



# SILVERLIGHT GIS (GEOGRAPHIC INFORMATION SYSTEM)

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# What's GIS?

GIS allows us to view, understand, question, interpret, and visualize data in many ways that reveal relationships, patterns, and trends in the form of maps, globes, reports, and charts.

A GIS helps you answer questions and solve problems by looking at your data in a way that is quickly understood and easily shared.

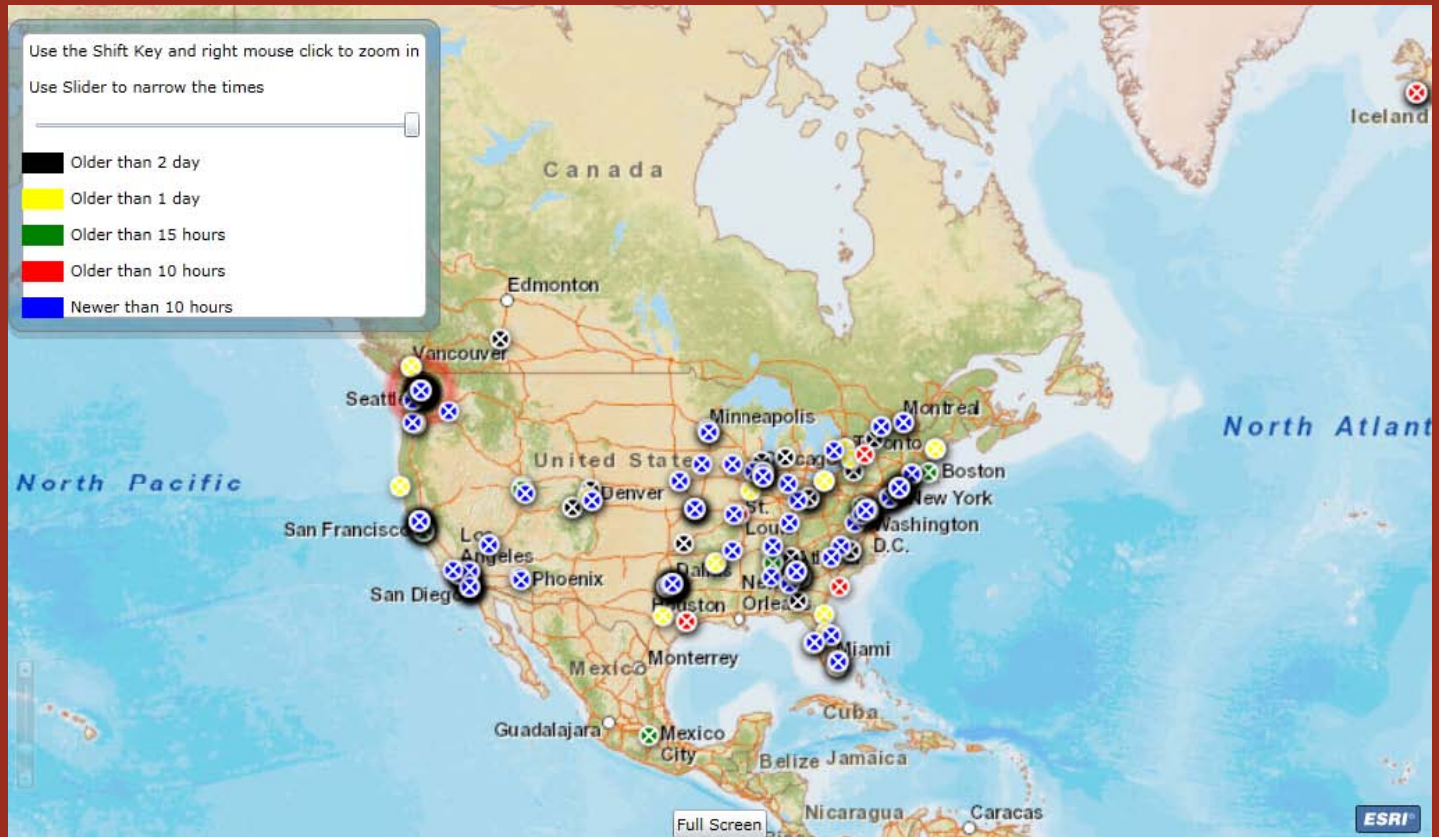
GIS technology can be integrated into any enterprise information system framework.

Gis.com

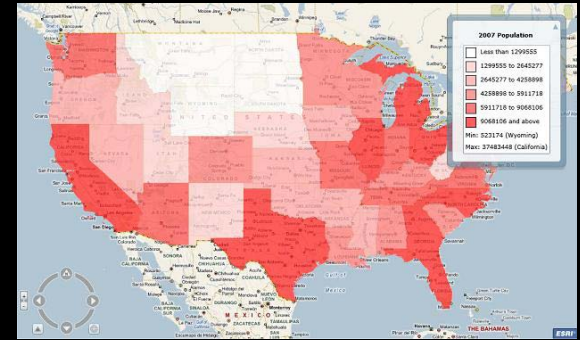
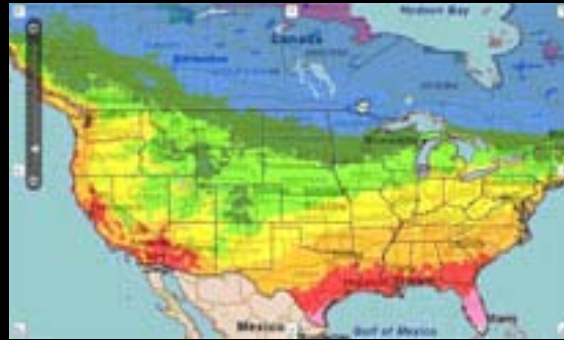
Visualize

Understand

Share



# WHY MAPS?



## JavaScript

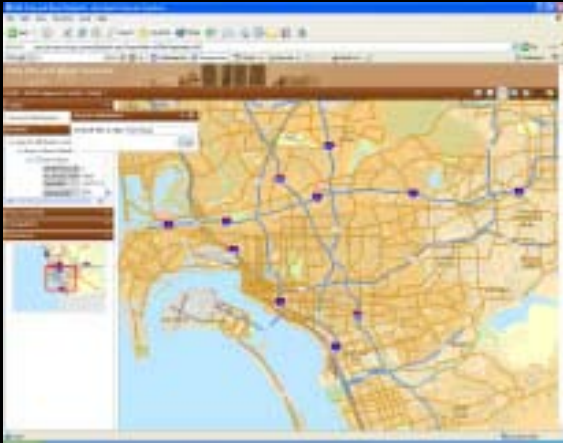
Develop custom JavaScript applications that mashup ArcGIS services, Google Maps, and Bing Maps data. The ArcGIS JavaScript APIs take full advantage of powerful mapping, geocoding, and geoprocessing services.

## Flex

Develop rich internet applications with ArcGIS services using the Flex framework. The API enables creating applications with intuitive, visually rich and responsive user interface. The ArcGIS API for Flex takes full advantage of the powerful mapping, geocoding, and geoprocessing capabilities of ArcGIS services.

## Silverlight/WPF

Develop rich internet applications with ArcGIS Server and Bing services using the ArcGIS API for Microsoft Silverlight/WPF. The API enables you to create highly interactive, visually rich and expressive applications for both Web and desktop clients.



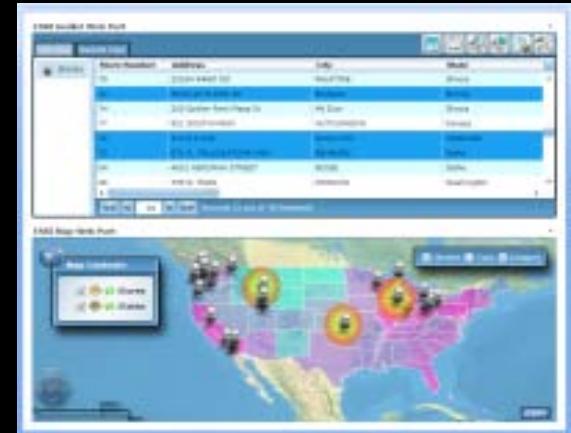
### .NET

Build applications with GIS capabilities using the .NET Web Application Developer Framework (.NET Web ADF). The .NET Web ADF is an AJAX-enabled framework for building Web applications built on ASP .Net AJAX. It includes both server side and client side controls and libraries. The client side JavaScript framework is built on MS-AJAX.



### Java

Build applications with GIS capabilities using the Java Web Application Developer Framework (Java Web ADF). The Java Web ADF is an AJAX-enabled framework for building Web applications built on JSF and Java EE. It includes server side controls and client side behavior accessible via JavaScript libraries.



### SharePoint

ESRI Parts for Microsoft SharePoint provides a set of interactive and configurable mapping components for use with existing Microsoft SharePoint sites. The components, or parts, enable you to display and interact with ArcGIS Server map and attribute data, Bing imagery and services, and location information in SharePoint lists.





Routing

Locator

Geoprocessing

Analyze

Geometry

Tasks

Editing

Publishing

Presentation

Geotagging

Navigation

Symbolizing

Sharing

Consuming

Geolocation





<http://serverapps.esri.com/silverlightdemos/showcase/>

<http://maps.esri.com/Police/Default.aspx>

<http://serverapps.esri.com/SilverlightDemos/PrintMapApplication.Web/>

Twitter Demo



Demos



```
graph LR; A[Download and install setup] --> B[Write code or Drag Drop controls]; B --> C[Run application];
```

Download  
and install  
setup

Write code  
or Drag Drop  
controls

Run  
application

```
<esri:Map x:Name="MyMap" >
<esri:ArcGISTiledMapServiceLayer
ID="StreetMapLayer"
Url="http://server.arcgisonline.com/ArcGIS/rest/se
rvices/ESRI_StreetMap_World_2D/MapServer"/>
</esri:Map>
```



# LET'S WRITE SOME CODE

Silverlight code that is...

A vertical bar on the left side of the slide, composed of several colored segments: a thin black segment at the top, a thin white segment, a thin grey segment, a thin olive green segment, and a thick red segment at the bottom.

**THANK YOU**

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