ArcGIS® API for Microsoft® Silverlight™ is a powerful API for building cross-browser and cross-platform rich Internet applications (RIAs) on top of ArcGIS Server.

**What You Can Do**

Display maps and execute tasks from ArcGIS Server in your applications.

- Display an interactive map of your data.
- Execute a geographic information system (GIS) model on the server and display the results.
- Display your data on an ArcGIS™ Online basemap.
- Search for features or attributes in your GIS data and display the results.
- Locate addresses and display the results.
- Add toolbars to draw polygons and points, zoom in and out, or pan on your map.

**What Is Included**

These components help you build custom applications that deliver advanced GIS solutions.

- **Maps**—Support multiple map projections as well as dynamic and cached (tiled) map services from ArcGIS Server and Bing Maps™ for Enterprise.
- **Graphics**—Enhance your user experience with the ability to draw graphics or provide pop-up windows when clicking or hovering the mouse.
- **Tasks**—Support the following classes and methods for common GIS tasks:
  - Querying
  - Locating addresses
  - Searching attributes
  - Identifying features
  - Geoprocessing (e.g., spatial analysis and modeling)
- **Silverlight components**—The API is built on the Microsoft Silverlight framework, which allows the use of core Silverlight components such as
  - Data grid
  - Panels
  - Slider

**Getting Started**

The API is designed for developers who want to create a Web-based mapping application quickly and spend less time coding.

1. Download the ArcGIS API for Microsoft Silverlight library at www.esri.com/silverlight.
2. Add a reference to one or more of the ArcGIS API for Microsoft Silverlight assemblies that you downloaded with the API library in your Silverlight project.
3. Write code using Visual Studio® to access the ArcGIS Server resources.
4. Compile the code to create and deploy your application.

The ArcGIS API for Microsoft Silverlight also has a dedicated resource center that has the following:

- Essential concepts and the latest documentation
- Online samples that demonstrate the various functionalities such as
  - Mapping
  - Graphics
  - Events
  - Tasks
- API references for the available classes and their methods and properties
- Links to the ArcGIS API for Microsoft Silverlight community including code gallery, blogs, and announcements

With ArcGIS API for Microsoft Silverlight, ESRI offers exciting opportunities for developers to build GIS Web applications and combine multiple technologies into a single development platform.

![A Web Application Built with ArcGIS API for Microsoft Silverlight](image)