# Installing and Configuring ArcGIS Viewer for Silverlight and FuturaWebMaps

### Prerequisites

The ArcGIS Viewer for Silverlight does not have to be installed on the same machine as ArcGIS Server though most often it is. The minimum requirements are as follows:

* .NET Framework 3.5 SP1 or 4.0 runtime
* Static Content
* ASP.NET
* IIS Management Console

For additional information on installing the ArcGIS Viewer for Silverlight on specific operating systems, see [System requirements](http://resources.arcgis.com/en/help/silverlight-viewer/concepts/0177/017700000003000000.htm).

* Microsoft Silverlight (you will be prompted to install the latest version as a requirement with ArcGIS Viewer for Silverlight)
* For FuturaWebMaps, the ArcGIS Viewer for Silverlight 3.x (64-bit edition) from ESRI must be installed first. Install the latest version of ArcGIS Viewer for Silverlight.
* User logged in (i.e. futuraadmin) is a member of local or domain Administrators group for installing both ArcGIS Viewer for Silverlight and FuturaWebMaps

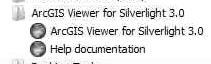
### Installation overview

1. Uninstall FuturaWebMaps 2.0 with Client Deployment Manager (CDM) on server before uninstalling ArcGIS Server 9.3.1
2. Uninstall ArcGIS Server 9.3.1 (this can be done with ESRI Uninstall utility in Deployment\ESRI folder on server)
3. Install ArcGIS 10.1 for Server SP1, authorize and create site.

[Installing ArcGIS 10.1 SP1 for Server](http://resources.arcgis.com/en/help/install-guides/arcgis-server/10.1/#/Installing_ArcGIS_10_1_SP1_for_Server/01nm0000002m000000/)

1. Install latest version of the ArcGIS Viewer for Silverlight
2. Install FuturaWebMaps only after installing ArcGIS Viewer for Silverlight (see below)

### Installing or Upgrading ArcGIS Viewer for Silverlight and FuturaWebMaps

1. Run the latest version of the ArcGIS Viewer for Silverlight installation program. This wizard will run Prerequisite checks and install the Application Builder and folder for deployed Viewer applications (Apps). Take the defaults on installation. If Prerequisite checks aren’t met, see Lance or Todd.
2. Launch Viewer from the new ArcGIS Viewer for Silverlight program group. This will launch the Builder and prompt you to install Microsoft Silverlight runtime. 
3. Once Microsoft Silverlight is installed, you’ll be prompted to install a more recent version. Click yes and install this 64-bit version.
4. Close the Browser. Re-launch ArcGIS Viewer for Silverlight and bookmark it. Close the browser.
5. Make the following changes in Server Deployment Manager (SDM) before installing FuturaWebMaps.
   1. Configure AGW\_Server Command Value (e.g. <server>:6080)
   2. Change AGW\_User Command Value (change \ArcGISWebServicees to ArcGISAdmin). The AGW\_Pwd Command Value should be the same as the previous ArcGISWebServices account password (gis123!@# encrypted), but if it’s not, you’ll need to change it to the ArcGIS Server Manager primary site administrator password that was entered when creating the ArcGIS Server site (gis123!@# is the standard password)





### Notes on FuturaWebMaps

FuturaWebMaps consists of a web application called Map Gallery where web applications deployed through the ArcGIS Viewer for Silverlight Builder are available. The URL for these resources will be http://<server>/FuturaWebMaps (replace <server> with web server name)

Installing FuturaWebMaps also deploys and registers Server Object Extensions to ArcGIS for Server to support Add-ins (tools) that extend the functionality of deployed ArcGIS Viewer for Silverlight applications.

### ArcGIS Viewer for Silverlight

* Before upgrading ArcGIS Silverlight Viewer (Builder), make a backup of the existing extensions configuration file (i.e. C:\inetpub\wwwroot\Builder\App\_Data\ Extensions.xml).
* A Geometry service should be configured in ArcGIS Silverlight Viewer with the server name. Do NOT use localhost.
* If the ArcGIS Server is on a different server than Builder, we need to put the clientaccesspolicy.xml and crossdomain.xml on ArcGIS Server wwwroot folder.

### Creating a Website in Viewer

* The Identify, Network Attributes, Flow Arrows, and Tracing tools work for only one map service, even if a site has more than one map service with same Server Object Extension enabled.
* Add a link to map gallery (http://<ServerName>/FuturaWebMapss).
* The ZoomIn tool must be added to support the ZoomPrevious and ZoomNext tools.