ArcGIS Publisher allows developers to create custom ArcReader applications or embed ArcReader capabilities into existing applications. This is done by programming with ArcReader Control, which can be used with an industry-standard COM-based development environment such as Microsoft® Visual Basic®. The ArcReader Control is included with ArcGIS Publisher.

ArcReader Control provides a set of components that developers can use to build custom applications. These components are designed for ease of use and rapid application development. In addition to the functionality available within ArcReader, developers can also program simple data queries to enhance data exploration and navigation of the map.

Custom applications created with ArcReader Control can be freely distributed and used by anyone who has ArcReader.

For more information or to evaluate ArcGIS Publisher, visit www.esri.com/arcreader.
ArcGIS Publisher allows you to create a Portable Map File (PMF) that can be delivered to ArcReader. ArcReader is a free, easy-to-use product that allows anyone to view, explore, and print published map files. PMFs are a distributable bundle that includes both the map and associated data files. ArcReader provides everyone the ability to have map access in a cost-effective manner. ArcReader displays map data that can be accessed in two ways. First, ArcReader can consume data that is available on accessible paths on the local machine, over an Intranet or via accessible paths on the local machine, over an Intranet. The second way that data can be made available to ArcReader is through a packaging mechanism used when the map is being published. This is useful when one wants to produce a distributable bundle that includes the map and associated data files.

**ArcReader Key Functions**

- **ArcMap**
- **ArcCatalog**
- **ArcToolbox**
- **ArcGlobe**
- **ArcScene**
- **ArcReader**
- **ArcGIS Editor**
- **ArcGIS Publisher**
- **ArcGIS Desktop**

ArcReader is built from the same ArcGIS components: technology and shares a common look and feel with the ArcGIS Desktop products. Anyone with previous experience using a Windows-based program will find the functionality in ArcReader familiar.

**ArcGIS Publisher**

ArcGIS Publisher allows you to create a PMF so that the map can be delivered to ArcReader. PMFs are a distributable bundle of data and published maps. The ArcGIS Publisher packaging capability allows you to easily create a redistributable bundle of data and published maps. ArcGIS Publisher offers the ability to share geographic data throughout all parts of an organization and beyond. ArcReader provides everyone the ability to have map access in a cost-effective manner. ArcReader displays map data that can be accessed in two ways. First, ArcReader can consume data that is available on accessible paths on the local machine, over an Intranet or via accessible paths on the local machine, over an Intranet. The second way that data can be made available to ArcReader is through a packaging mechanism used when the map is being published. This is useful when one wants to produce a distributable bundle that includes the map and associated data files.

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ArcReader is a free, easy-to-use product that allows anyone to view, explore, and print published map files. It is designed for viewing and sharing maps that access a wide variety of dynamic geographic data. Anyone with previous experience using a Windows-based program will find the functionality in ArcReader familiar. ArcReader is built from the same ArcGIS components that are used to access localized and networked geodatabases. ArcReader can view personal geodatabases that are password protected and ArcReader functionality can be disabled.

ArcReader Key Functions
- Open "*.map" files
- Open local files
- Open network files
- Open ArcGIS geodatabases
- Open spatial index files
- Open HTML documents and web layout files
- Show spatial index files
- Show geodatabase information
- Change display properties
- Identify (multilayer)
- Go to previous/next extent
- Go to full extent
- Pan
- Zoom in/out
- Show recently opened maps
- Find
- Measure
- Switch between data view and layout view
- GIS programmers who want to build simple, custom map viewers.

ArcGIS Publisher offers the freedom to easily share and distribute your GIS maps and data with anyone. ArcGIS Publisher gives you the flexibility to create a distributable bundle that includes both the map and associated data files. This is useful when one wants to produce an electronic map that can be printed or viewed via accessible paths on the local machine, over an Intranet or the web.

ArcGIS Publisher gives you the freedom to easily share and distribute your GIS maps and data with anyone. ArcGIS Publisher is an extension to the ArcGIS Desktop products (ArcMap, ArcReader, and ArcView) used to create published map files (PMFs) that can be created, reviewed, or printed by anyone with the ArcReader application.

With ArcGIS Publisher you can:
- Easily provide interactive links to your maps.
- Protect your maps and data from inappropriate use.
- Create rich, interactive maps that meet your user’s needs.
- Provide efficient and controlled access to enterprise GIS data.
- Easily package the required data and maps for distribution.
- Build custom map viewers for your maps.

ArcGIS Publisher appeals to a wide range of users including:
- Organizations that need to distribute maps within their organization.
- Data providers that want to distribute preauthored maps.
- GIS programmers who want to build simple, custom map viewers.

ArcGIS Publisher is a powerful tool that allows you to create the perfect interactive map that can be accessed from a variety of devices or the web. This tutorial will guide you through the steps of creating a published map file.

Step 1: Author a map
- Create a new map in ArcGIS Desktop.
- Add layers to the map.
- Define the appearance of the map.

Step 2: Share the published map
- Choose the ArcGIS Publisher extension.
- Select the map to be published.
- Choose the distribution method.

Step 3: Publish the map
- Select the publish options.
- Review the preview of the published map.
- Publish the map.

ArcGIS Publisher is a free easy-to-use product that allows anyone to view, explore, and print published map files. Anyone with previous experience using a Windows-based program will find the functionality in ArcReader familiar.
ArcReader gives you the freedom to easily share and distribute your GIS maps and data with anyone. With ArcGIS Publisher an extension to the ArcGIS Desktop products (ArcInfo, ArcEditor, and ArcReader) used to create published maps (PMFs) that can be created, viewed, or printed by anyone with the ArcReader application.

With an ArcGIS Publisher you can:

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- Provide efficient and controlled access to enterprise GIS data.
- Easily package the required data and maps for distribution.
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ArcGIS Publisher appeals to a wide range of users including:

- Organizations that need to publish maps within their organization.
- Data providers that want to distribute prepackaged maps with their data.
- Government agencies that need to distribute data and maps to the public.
- GIS programmers who want to build simple, custom-map viewers.

ArcGIS Publisher gives the ArcReader users dynamic, current data each time the map is accessed. Path names remain unchanged and the data is updated. The ArcGIS Publisher settings allow you to define access criteria for PMFs, specify ArcReader functionality, and control the content that is available for use in ArcReader. The PMF file also has properties that define how the user of the ArcReader application interacts with the map. The ArcReader functionality to create a PMF is as follows:

- Accessing Local and Remote Map Data
- Publishing Maps
- ArcGIS Publisher
- ArcReader
- Packaging Map Data With PMFs

The ArcReader application is built from the same ArcObjects component technology and shares a common look and feel with the ArcGIS Desktop products. Anyone with previous experience using a Windows-based program will find the functionality in ArcReader familiar.

New Members of Florida's One-Call System
As a result of Florida’s underground infrastructure Safety and Access Act, the not-for-profit organization Sunshine State One-Call (SSOCOF), the Center for the Public’s Right to Know through the underground facility is accomplished through a comprehensive system, which includes a map component. This application has enabled us to gain efficiencies by having a computer application which is used to store a locate ticket to the workers of the underground facility. This is accomplished through a one-call notification system for persons throughout Florida to give notice of intent to excavate. ArcReader’s primary concern is safety. This is useful when one wants to produce a distributeable bundle that includes both the map and associated data files.
Using the ArcReader Control

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