Web Applications Tutorial

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Tutorial: Creating a Web application

Complexity: Beginner Data Requirement: Use your own data Goal: Create a Web application using ArcGIS Server Manager.

You can use ArcGIS Server Manager to create and deploy a fully functional Web mapping application. Manager steps you through the process of selecting which services to display, configuring tasks, and choosing the look and feel of your Web application. Once you've created the application, you can return and edit it in Manager. If you want to make advanced customizations, you can open the application in an integrated development environment (IDE) such as Microsoft Visual Studio.

Creating a Web application with ArcGIS Server Manager

The steps below will help you use Manager to create a simple Web application that displays one map service. Before you start, you need to have a map service running. You can find instructions for that in Tutorial: Publishing a map service.

To create a Web application in Manager, follow these steps:

Steps:

1. Log in to Manager or, if you're already logged in, click the **Home** tab. The account you used to log in must be in the **agsadmin** group, and it must be an administrator on the machine to create the Web application. If you're not sure if your account is an administrator on the machine, consult your system administrator or use the operating system tools to view the **Administrators** group.

2. Click **Create a web application**.

3. In the **Name** text box, type a name for your application. This is the name by which you will see your application listed in Manager. Optionally, type a **Description**. Click **Next**.

4. Now you will choose the map service that your application will display. First, you need to establish a connection with a GIS server. Click **Add Layer**, click **Add GIS Server**, then choose **ArcGIS Server Internet** as the connection type.

5. Type the URL of the ArcGIS Server you want to connect to. The URL will take the form http://<server>/<instance>/services. For example, if connecting to a machine named myServer using the default instance name of arcgis, the URL would be http://myServer/arcgis/services.

6. When you have entered all the connection information, click **Add**. A list of map services from the server you just added appears.

7. Choose a map service and click **Add** to move it into the **Current Layers** list. Click **Close** to return to the list of layers. Then click **Next**.

8. This screen allows you to add tasks to your application. Configuring tasks is beyond the scope of this tutorial, but you can find information on working with tasks in Manager in the topic Configuring tasks. Tasks are optional, so for now, click **Next** to move to the next screen.

9. Set the values for **Title text**, **Theme**, and **Web page links**.
   • The **Title text** will appear across the top banner of your application and in the title bar of the browser window.

   • The **Theme** specifies the top banner graphic and the color scheme of your application's menus.

- The **Web page links** will appear in the top corner of your application. You can remove or edit the default links or add your own.

When you finish setting these properties, click **Next**.

10. Choose which map elements will be enabled in your application. Available elements are **Table of Contents**, **Overview Map**, **Toolbar**, **Navigation**, **Scale Bar**, **Zoom Level**, and **Map Copyright Text**. Each element has a *Properties* window where you can adjust how the element will look and function in your Web application. For example, you can choose an icon or image that will be used for the Navigation control.

11. When you finish configuring the map elements, click **Next** to review some information about the application that will be created. Take note of the URL so that you can access it later. You'll also be able to see this URL on the *Applications* tab of Manager.

12. Click **Finish** to create the Web application. By default, it will open in a new browser window. If you want to change any of the settings you selected, you can now access the application from the *Applications* tab in Manager.

To make more advanced edits to your application, you can use an IDE. The Developer Help contains many topics on how you can use the programming libraries included with the Web Application Developer Framework (ADF) to further customize your Web applications.