



Description: This document describes the ReportWorX capability to integrate inside pre-existing company portals and web sites.

OS Requirement: The operating system required is Windows XP/2000/2003 with Internet Information Service 5.1 or greater.

General Requirement: ReportWorX Standard or ReportWorX Enterprise edition.

Overview

ReportWorX Web has a flexible structure and can be integrated inside a preexisting company portal with a relatively small amount of work. There are many different ways that you can do it.

- 1) Create a custom skin
- 2) Use the ReportWorX.NET Control Library
- 3) Connect to the ReportWorX.NET Web Service

1) Create a custom skin

This is the simplest approach to use and is recommended for all the developers that want to integrate ReportWorX.NET in their company portal without changing any of the functionality provided from the Web Interface.

By creating a new skin you don't change any of the ReportWorX Web Interface functionality: you only change the final appearance of the Web Interface.

Keep in mind that you don't necessarily have to create a new skin starting from zero.

ReportWorX.NET Standard and Enterprise edition provides you 18 sample skins accessible through the Web Interface under the "User Preferences" page.

You can start modifying one of the existing sample skins or you can use them as a reference.

The process of creating a new skin can be divided in the following steps:

- 1) Design a static image representing your skin (for example a banner with your company

logo). You can use any graphic package you want: we recommend Adobe Photoshop 7.

- 2) Convert the static image into an HTML document (for example an html table of images with hyperlinks). Again you can use any program you want to perform this step: we recommend Adobe Image Ready.
- 3) Create a "skin description" file starting from the HTML page created in step (2)
- 4) Add personalized color scheme and styles in the form of a Cascading Style Sheet file (CSS)

All of the preview steps are described in the additional documentation available on the ICONICS website at the following URL:

<http://www.iconics.com/support/>

2) Use the ReportWorX.NET Control Library

This approach is recommended when you want to integrate only a sub set of the ReportWorX Web Interface functionality (in example only the Report Visualization and Report Execution).

The ReportWorX web-controls Library is a library of web-enabled dotNet components that provide you functionality such as Reports Visualization, Reports Management and Reports Execution.

These components can be integrated into any ASP dotNet web page providing you functionalities such as: visualization functionalities, management functionalities and execution functionalities.

This approach requires knowledge on ASP dotNet web page, IIS Web Server, HTML and scripting for the web and is recommended only for intermediate or advanced users.

You can find additional information of the ReportWorX web-controls Library on the ICONICS website at the following URL:

<http://www.iconics.com/support/>



3) Connect to the ReportWorX.NET Web Service

This is the most powerful approach and is also the approach that requires the most effort.

This approach is recommended when you want to build your own Web Interface with specific functionality.

The ReportWorX Web Interface installation provides a Web Service that enables you to develop and customize your ReportWorX Web applications. The Web Service interfaces with the ReportWorX runtime engine. Thus, should you choose not to use the ReportWorX Web user interface that comes with the ReportWorX installation, the ReportWorX Web Service provides you with access to ReportWorX functionality such as execution of reports, visualization of executed reports, and reports management.

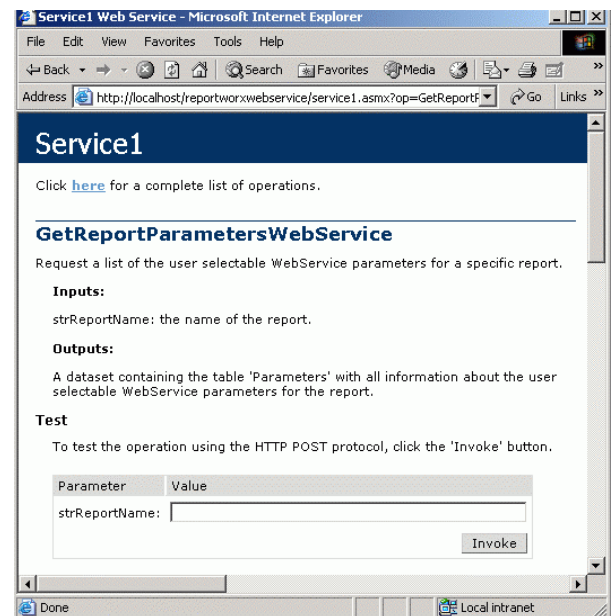
To access the ReportWorX Web Service, open your Web browser and go to the URL shown in the figure below

<http://localhost/reportworxwebservice/service1.aspx>

Note: Be sure to replace **localhost** in the URL above with the appropriate Web server name.

interface (API) operations or methods, which are listed in the Web Interface help file. To test an operation using the HTTP POST protocol, click on a method, enter a value, and then click the **Invoke** button, as shown in the figure below, which uses the **GetReportParametersWebService** method as an example.

Note: The test functionality is available only from the server side.



Using the ReportWorX Web Service API methods, you can build your own ReportWorX Web interface. The Web service methods can be tested only from the server machine.

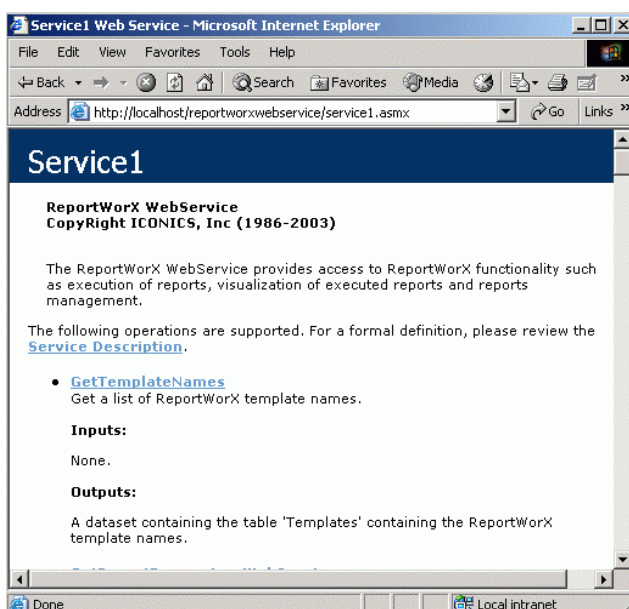
Note: For more general information about Web Services and API, please go to the [Microsoft Developer Network \(MSDN\)](http://msdn.microsoft.com) online.

You will be connecting your application directly to the existing ReportWorX “data” layer through the ReportWorX Web Service, bypassing the ReportWorX Web Interface.

You will be required to create your own data-presentation layer by exposing the functionalities that you wish to provide to your final user.

This approach requires advanced programming skills, knowledge of asp dotNet programming, as well as Web Services programming.

You will also need knowledge of dynamic HTML programming and scripting.



The ReportWorX Web Service supports many Microsoft® Windows® application programming