*HIS Server Website*

*Utah Water Research Lab*

*Utah State University*

# HIS Server Website

The **HIS Server website** is an ASP.NET MVC web application that creates a basic catalog of information on your HIS Server. The website includes an opening page that describes the HIS Server, lists of published observational data and map data services with applicable links and maps, and a data query tool, which allows data to be searched for and downloaded. It is designed to be easily customizable and require few modifications to install on your own server.

The HIS Server website is designed for use on Microsoft IIS Version 7.0 in Integrated pipeline mode. It is compatible with Firefox, Internet Explorer version 7.0 and above, Safari, Google Chrome, and Opera.

## Basic setup

You'll need to set up a Connection String called "databaseConnection" in the Web.config file to point the website to your HIS Server's database, which should contain a list of ODM Databases and Map Services.

<connectionStrings>

<add name="databaseConnection" connectionString="Connection String goes here" providerName="System.Data.SqlClient" />

</connectionStrings>

Once the Connection String is set up, information from the database and from all services pointed to in the database will be automatically accessible.

To change the basic settings of the website, find the <appSettings> node in the Web.config file. You'll find the following settings, which you can change as needed:

<appSettings>

<add key="siteTitle" value="Utah State University HIS"/>

<add key="siteDescription" value="This is the main page of the Utah State University HIS server website."/>

<add key="siteCopyright" value="2009 Utah Water Research Lab, Utah State University"/>

<add key="TSALocation" value="http://icewater.usu.edu/tsa/default.aspx"/>  
 </appSettings>

|  |  |
| --- | --- |
| **Key** | **Description** |
| siteTitle | The title of the HIS Server |
| siteDescription | The description of the HIS Server that shows up on the front page. The description is text only; for instructions on how to edit the HTML of the front page, see the *Advanced Configuration* section of this document. |
| siteCopyright | The copyright information for the website, which appears at the bottom of each page |
| TSALocation | A link to the Time Series Analyst |

To customize the colors, look and feel of the website, edit the **Site.css** file found in the **Contents** folder. This is a Cascading Style Sheets (CSS) file that determines the style of the entire website.

## Advanced Configuration

The HIS Server website is made in ASP.NET MVC 2.0. It uses ASP view files (\*.aspx and \*.ascx) to display content, which are a combination of HTML and ASP Scripting Tags (<% %>), which help to access information from databases. These files are contained in the project files under the **Views** folder, and are editable. It is possible to edit only the HTML and change the layout of the view by simply ignoring everything within the <% ASP Scripting Tags %>.

For example, to change the content of the main page, you'll need to edit the HTML in the view file **Views/Home/Index.aspx.**

The "Master page" which provides common structural elements to every page is found in **Views/Shared/Site.Master** and is also editable in the same way. Editing this Master page, along with **Contents/Site.css**, will allow you to give each page your own custom structure, colors, background, etc.

Copies of the default view files are also contained in an assembly file called **HISServer.Framework.dll** found in the **bin** folder, which is required for the website to function properly. If you need to revert to the default version of a view file, simply delete the view file from the **Views** folder; the default version will then be used from the assembly. If you make a new view file in the proper part of the **Views** folder, it will replace the default version from the assembly.