Hello World Basic 2 – ECWP Using ERM Classes (recommended)

What are ERM Classes?

Image Web Server now comes with a set of pre-defined **classes**, which can be added to your web pages using JavaScript Include statements. These classes do all the *heavy lifting* for you in that you structure a simple call to them in your JavaScript and they will:
- Add the control into your page reliably and painlessly
- Structure the control correctly for all the supported browser versions
- Add in the Java Applet if you set a single line cookie variable
- Link the controls via the callbacks that you define.

What was the older technique and why is it now deprecated?

Previous example pages used embedded object tags that you had to hard code into the HTML pages for the Toolbar, the LayeredView Control(s), and the ProgressBar. These objects were then attached using the **.attach()** method of the Control to attach the Toolbar and ProgressBar objects to the LayeredView Control object in your JavaScript code.

Problems were encountered with the older technique of embedding using the **attach** method in some browsers. For instance, attaching objects in a Table with multiple cells in Mozilla resulted in the **colspan** definitions not working correctly. There are several other examples of these type of problems which are hard to predict and harder to test effectively. Problems were also encountered when using the Java Applet version of the control.

For this reason we no longer recommend using the **.attach()** method in your JavaScript code. Rather, it is recommended that the objects are controlled via callbacks (events) which are reliable and work across all supported browser and Java Runtime Environments.

Why is this technique now recommended?

We **strongly recommend** using the supplied classes for the following reasons:
- They have been thoroughly tested with the supported browsers versions to reduce the chances that you will experience problems with your pages.
- The classes can provide you with support for the Java Applet in your page simply by switching a single line of code.
- These classes will be updated each time you install a new version of the Image Web Server. This will keep your pages current with the latest issues relating to browser compatibility and other issues that we have found. Think of it as *future-proofing* your coding investment.

Will future releases of Image Web Server be compatible?

That is the good news. As we release future version of the Image Web Server these classes will be upgraded to support new developments in the supported browsers. Simply by installing a new Image Web Server version you will be able to upgrade the JavaScript files which get included in your pages.

How do I use the supplied classes/code?

This tutorial page will show you how to use the classes. The page source is annotated with notes and these notes are supplied as a separate page allowing you to view or print them.

Linking in the ERM supplied files

The tutorial pages are set to link to the files which were installed with Image Web Server and are referenced from your root web server <wwwroot>SampleIWS\images. If you need to run this page by itself or from some other path, copy the files that are referenced in the JavaScript include files to a path of your choosing and modify the code in your pages to reference them.

Documentation for the ERM Classes

A full description of the supplied JavaScript files, the Image Web Server samples site, and the files installed by Image Web Server can be found in the Image Web Server User Guide.