

Hello World Basic 1 – ECWP Embedded Objects (deprecated)

What are embedded objects?

'Embedded objects' is a coding technique whereby you specify the `<object>` tags within your HTML pages for the Toolbar, the LayeredView, and the ProgressBar controls. You then attach the Toolbar and ProgressBar objects to the LayeredView Control object in your JavaScript code.

Why this technique was deprecated (i.e., not recommended)

Problems were encountered when using the **attach** method for certain HTML code in some browsers. For instance, attaching objects in a Table with multiple cells in Mozilla resulted in the **colspan** definitions working incorrectly. There are several other examples of such problems which are hard to predict and hard to test effectively. Problems were also encountered when using the Java Applet version of the control.

For these reasons we no longer recommend using the **.attach()** method in your JavaScript code. It is advisable that the objects are controlled via callbacks (events) that are reliable and work across all supported browsers and Java Runtime Environments.

Why include this page then?

We have included this page to give developers who have only worked with previous versions of Image Web Server, and particularly the previous API (non-layered) interface to the control, a starting point in the coding technique that they are familiar with. We lead them in the next tutorial to a page that deploys the new API-2 (LayeredView) interface to achieve the same functionality as this page.

What coding technique is now recommended?

Earth Resource Mapping now supplies a set of pre-defined **classes** with Image Web Server, which can be added to your web pages using JavaScript Include statements. These classes do all the **heavy lifting** for you. All you have to do is to 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.

Will future releases of Image Web Server be compatible?

That is the good news. As we release future versions of the Image Web Server, these classes will be upgraded to support new developments in the supported browsers. You can future-proof your pages simply by installing a new Image Web Server version, and that will upgrade the JavaScript files which get included with your pages.

How do I use the supplied classes/code?

Reference the next tutorial page (**Hello World Basic 2 - ECWP Using Supplied Classes (recommended)**). This is a page with the same functionality but implemented using the recommended JavaScript include. All the other tutorials, as well as the sample pages installed with Image Web Server use the JavaScript include files to make use of the supplied classes.