

Drumbeat Contracts

This document summarizes the contracts that are delivered with Drumbeat 2000. Each topic below corresponds to one of the contract categories defined in Drumbeat. Click on the contract category name to link to a Word document describing the contract category in more detail. Documentation on individual contracts is located in the description tab of the contract dialog box accessible from the Drumbeat Tools menu.

[ASP Miscellaneous](#)

Contracts whose only commonality is that they all require an ASP server to execute.

[Cookie](#)

These contracts allow you to manipulate the Cookie variables stored on a Web Browser. These contracts use the Cookie SmartElement as one of its participants.

[Database Edit](#)

These contracts allow you to insert, update, and delete records from a recordset using standard edit boxes. In addition, there are contracts that allow insertion of values from form elements such as radio buttons, checkboxes, and list elements.

[Database Filter](#)

These contracts enable you to filter recordsets based on criteria provided by the user. They are good for creating custom Search Pages.

[Database Miscellaneous](#)

These contracts provide several useful database-related interactions that don't really fit in any other category. There are contracts to populate list elements with prompt messages, set links to URL or e-mail fields in a recordset, and display record counts.

[Database Navigation](#)

Database navigation contracts enable and/or react to the browsing of database records, typically via a recordset object. The majority of these contracts occur between a recordset and a submit button and are typically used to update the content of form elements and/or text boxes on the page when the recordset navigates to the new record. In addition, there are individual contracts to provide navigation status or handle special cases such as empty recordsets and recordset bounds.

[Database Sort](#)

As of this release, there is only one DatabaseSort contract, which is an interaction between a submit button, a list element, and a recordset that sorts the recordset based on the list element's selection. Potential list elements include list boxes and drop down lists. Currently, the contract only supports sorting in ascending order.

[DataBinding](#)

These contracts enable navigation and sorting of a Databinding element's records and are used in Pagesets configured for IE 4.0 databinding. They are only available in IE 4.0 pages.

[Date](#)

These contracts manipulate the Date Object and are used to create countdown timers etc.

[DayNight](#)

These contracts work exclusively with the DayNight SmartElement to provide dynamic time of day detection on the client machine. You can bring up images, text, etc. appropriate to the time of day such as Morning, Afternoon, Evening, and Night.

[DragDrop](#)

These contracts allow an image to be dragged within the browser and placed in a new location.

[Edge transitions](#)

The edge transition contracts move one or more edges of an element over a specified time period to provide an image or text reveal and conceal effect. These contracts work in both IE 4.0 and above and Netscape Communicator 4.0 and above.

[Element movement](#)

Element movement contracts allow you to move Drumbeat SmartElements around on a web page. This set of contracts utilize DHTML to accomplish this so they will only work in Internet Explorer 4.0 and above and Communicator 4.0 and above.

[Enhanced UI](#)

Enhanced UI contracts allow you to add user feedback behavior to your pages. You can add borders when the mouse is over an element, or apply some of the IE 4.0 filters when the mouse is over an element. For example there is a contract to add the "Glow" filter when the mouse is over an element which makes the element "highlight" when the mouse is over it.

[File Scripting](#)

These are some sample contracts that demonstrate how to use the File System Object to manipulate files on the server. These contracts require an ASP server.

[Floating Element Manager](#)

This contract category contains contracts that work exclusively with the Floating Element Manager SmartElement. These contracts allow you to position an element on a page and fix its position regardless of the window size or scroll state of the browser window.

[Forms interelement](#)

The Forms interelement contract category contains contracts that cause two or more form elements to interact. This covers things like copying the current selection in a list box to an edit box, copying contents, or selections when the page loads, and setting the selection in a list box.

[Forms miscellaneous](#)

These contracts just don't fit into any of the other form categories.

[Forms set value](#)

The contracts in the Forms set value category pre-set the contents or state of form element on a page.

[Forms submit](#)

These contracts submit the form that is on the page. These are useful if you want to have an image link, or image button submit a form. For any form validations to occur prior to submit one of these contracts must be used. There is a contract in this category that specifically validates form elements when a submit button is clicked.

[Forms validations](#)

Validation contracts allow the user to validate form elements on the client before they are submitted to the server. For validations to occur prior to submission one of the contracts in the Forms submit category must be used.

[Image](#)

This category has contracts that have to do with images. Most of these contracts interact with the DynaImage SmartElement which is an image collection SmartElement.

[Miscellaneous](#)

These contracts just don't fit anywhere else. They are a collection of misfits with little in common, except that they have nothing in common.

[Multimedia](#)

This category of contracts allows you to control multimedia titles with web page controls. This allows you to customize multimedia players on your web page.

[Navigation](#)

Contracts in this category allow you to navigate between pages on your site, and other sites. You can open new browser windows, and use various controls on your page to aid in site navigation.

[Package Tracking](#)

These contracts navigate to the sites maintained by the package delivery firms supported by these contracts. Arguments are included to query the status of shipping. Supported firms include: UPS, USPS, FedEx, and DHL.

[Pageset Static](#)

These contracts mimic the functionality of database navigation and databinding navigation contracts; however, static Pagesets are really individual pages for each record. Because the Pageset wizard implements these pages for you, and because manually generating individual static pages for each record is tedious, it is unlikely that you will ever *explicitly* use these contracts.

[Security](#)

These contracts allow creation of access privileges for a user. The contracts make it easy for a Web site designer to create various degree of site level access for their visitors.

[SQL Parameters](#)

Support for parameterized queries is one of the exciting database support enhancements in this release of Drumbeat. The SQL Parameters contracts allow you to harness the power of this new feature.

[Stored Procedures](#)

Support for stored procedures is another exciting database enhancement in this release of Drumbeat. They are designed specifically for a new Command object, which is a new SmartElement specifically designed to hold the output parameter returned from a stored procedure, much in the same way that a recordset can hold the result set returned by a stored procedure or query.

[Text copy](#)

Copy text between non-form SmartElements. Copying text between form elements is accomplished by contracts in the Forms Interelement category above.

[Text formatting](#)

Dynamically format text on a web page.

[Text miscellaneous](#)

Miscellaneous and special purpose text contracts.

[Text new value](#)

Change the text in various kinds of text elements.