

Open: AJAX example using the TeamRaiser Event Search API



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Posted by [Steve Mook](#) on Jan 14, 2010 3:26:39 PM

This example, developed by Convio software engineer Shane Davis, demonstrates how to use AJAX to access the [Convio TeamRaiser API](#) from an externally-hosted web page. These API methods allow users to search for events by event information or by proximity to a given zip code.

Search for Events

Find Events Near You

Search by Distance

Searching by distance currently only supports 5-digit Zip Code searches in the United States.

Find Events within miles of Zip Code:

Search

Clear

<< first < prev **1** next > last >>

Event Name	Date	Location	Distance ▾
Walk for the Cause (Round Rock)	01/16/2010	Round Rock Park	0
Walk for the Cause (North Austin)	01/16/2010	Walnut Creek Metropolitan Park	8.3
Walk for the Cause (Georgetown)	01/16/2010	San Gabriel Park	9.2
Walk for the Cause (Burnet)	01/16/2010	Inks Lake State Park	35.1

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The source used in this example may be downloaded [here](#).

The Form

The Event Search form uses YUI tabbed navigation to present either the "Search by Information" or "Search by Distance" form. An empty div with the id "resultsTable" is populated with the data returned by whichever API was invoked. Some input validation is handled in the form itself and by the State abbreviation and Distance selection lists. Hidden inputs may be used to specify optional search parameters and refine the search.

This example uses embedded JavaScript code to perform form-specific functions. It also includes *ConvioYUIDataSource.js*, which implements the [YUI DataSource](#) library to manage result sets from the Convio Server. The *doSearch* function performs the API call and manages the result:

```
function doSearch(form){
// The initial, default example does not have any YUI buttons that need added, however if someone has
// added that into their implementation and forgotten to call this prior to calling doSearch,
// call it now. If someone has called this already, it shouldn't cause any issues to call it again.
YAHOO.widget.Button.addHiddenFieldsToForm(form);
oRequest= { "apiMethod": form.methodToCall.value,
  "oApiRequest": form};
if (myDataTable == null){
  myConfigOptions.initialLoad = false;
  // this is what creates the YUI DataTable to display the results. replace "resultsTable" in the line below
  // with the id of the div that you want the results to display in (if necessary).
  myDataTable = new YAHOO.widget.DataTable ("resultsTable" , myColumnDefs , myDataSource, myConfigOptions);
}
// Set sort based on form config
if(form.sort_column){
  var oSortColumn= myDataTable.getColumn(form.sort_column.value);
  // make sure the sort column is visible:
  if(oSortColumn.hidden){
    myDataTable.showColumn(oSortColumn, YAHOO.widget.DataTable.CLASS_ASC);
  }
  myDataTable.sortColumn(oSortColumn);
}
// Callback object for populating the table
var oCallback = {
  success : myDataTable.onDataReturnInitializeTable,
```

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```
failure : handleFailure,  
scope   : myDataTable,  
argument: myDataTable.getState()  
};  
myDataSource.sendRequest(oRequest, oCallback, myDataTable);  
}
```

Setting up API Access

Information on setting up your Convio site for API access is covered in the [Convio API Reference Documentation](#). To deploy this example using the TeamRaiser event search APIs, the minimum configuration steps are described below:

1. Log in to Convio as a Site Administrator
2. Go to Setup > Site Options > Open API Configuration
3. If you already have a Convio API Key set, note it as you will need to supply it as the **api_key** parameter when making Convio API calls from your form.
4. If you have not already configured Javascript/Flash access to Open APIs to allow access from the non-Convio site where you are using this Event Search API, click on the "Edit JavaScript/Flash configuration" link and add the domain of the site where you will be hosting this page to the "Allow JavaScript/Flash API from these domains" box. For example, if the site where you will be using this example is "my.nonconviosite.org" you should add either "my.nonconviosite.org" or "*.nonconviosite.org"; the wildcard character (*) allows any sub-domains to access the API as well.

You do not need to add your domain to the "Trust JavaScript/Flash API from these domains" category, as no sensitive information is exposed by the APIs we will be using.

Uploading Files

5. Obtain the api_client.html file. Visit http://your.conviosite.org/api/api_client.html (replace the "your.conviosite.org" with the domain of your Convio-powered site. You MUST save a copy of that file and put it on your non-Convio powered site in order for the API calls to work.

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6. Upload the TeamRaiser Event Search form `TR_Event_Search_Example.html`, the Data Source class `ConvioYUIDataSource.js`, and the `api_client.html` files to your web site.

Editing the HTML form for your site

7. Include the CONVIO API JavaScript library file in the TeamRaiser Event Search form: replace the "your.conviosite.org" domain with the domain of your Convio-powered site.
8. Set the **apiKey** variable to the value your Convio Site's API Key as configured in step 2 above.
9. Set the **clientAPIFile** variable to point to the `api_client.html` file that you uploaded in step 5 above. It should be in the same directory as the calling page `TR_Event_Search_Example.html`. Specify the absolute path from the root directory of your web site domain.

Several optional JavaScript configuration variables may be set here. See the comments in `TR_Event_Search_Example.html` for descriptions of these.

Attachments:

- [TR_Event_Search_Example.zip](#) (9.9 K)

Tags: [api](#), [ajax](#), [search](#), [events](#), [teamraiser](#)

Jan 15, 2010 1:30 PM Noah Cooper says:
Very cool!

Jan 19, 2010 1:37 PM c.stauffer says in response to Noah Cooper:
slick. I'm trying this.