### Simple Use Case

#### Script:

```
var myDataSource = new YAHOO.util.DataSource
  ([{name:"a",id:"1"}, {name:"b",id:"2"}]);
myDataSource.responseType =
   YAHOO.util.DataSource.TYPE_JSARRAY;
myDataSource.responseSchema = [fields:["name","id"];
```

Instantiates a new DataSource object, myDataSource, which manages data retrieval for use by other widgets.

### **Constructors**

```
YAHOO.util.LocalDataSource(mixed data[, obj
      configurations]);
```

- (1) data (array): A JavaScript array of strings.
- (2) **Configuration object (object):** An optional object literal defines property values of a DataSource instance.

- (1) JS Function (fn): A JavaScript function which returns an array of strings.
- (2) Configuration object (object): See above.

```
YAHOO.util.ScriptNodeDataSource(str uri[, obj
      configurations]);
```

- (1) URI: URI to the script location that will return data.
- (2) Schema (array): Schema description of server response data.
- (3) Configuration object (object): See above.

```
YAHOO.util.XHRDataSource(str uri[, obj configurations]);
```

- (1) **Script URI (string):** Server URI (local domains only use a proxy for remote domains).
- (2) Schema (array): Schema description of server response data.
- (3) Configuration object (object): See above.

```
YAHOO.util.DataSource(mixed data[, obj configurations]);
```

- (1) **Script URI (string)**: Server URI (local domains only use a proxy for remote domains).
- (2) Schema (array): Schema description of server response data.
- (3) Configuration object (object): See above.

Key Configuration Properties	
Property	Description
responseType	Determines which parsing algorithm to
	use on response data.
responseSchema	Determines what data gets parsed out
	of response for consumption.

Event         oArgs passed to handler           cacheFlushEvent         none           cacheRequestEvent         oArgs.request {obj} The request object oArgs.callback {obj} The callback object oArgs.request {obj} The response object oArgs.callback {obj} The callback object oArgs.callback {obj} The callback object oArgs.request {obj} The callback object oArgs.callback {obj} The callback object oArgs.message {str} Error message oArgs.request {obj} The request object oArgs.callback {obj} The callback object oArgs.tld {int} Unique transaction ID oArgs.request {obj} The request object
cacheRequestEvent  oArgs.request {obj} The request object oArgs.callback {obj} The callback object oArgs.request {obj} The request object oArgs.response {obj} The response object oArgs.callback {obj} The callback object oArgs.callback {obj} The callback object oArgs.request {obj} The callback object oArgs.callback {obj} The callback object oArgs.message {str} Error message oArgs.request {obj} The request object oArgs.request {obj} The request object oArgs.callback {obj} The callback object oArgs.tld {int} Unique transaction ID
cacheResponseEvent  cacheResponse (obj) The callback object  cacheResponse (ob
cacheResponseEvent  oArgs.response {obj} The response object oArgs.callback {obj} The callback object oArgs.request {obj} The request object oArgs.request {obj} The request object oArgs.callback {obj} The callback object oArgs.message {str} Error message oArgs.request {obj} The request object oArgs.callback {obj} The callback object oArgs.callback {obj} The callback object oArgs.tld {int} Unique transaction ID
dataErrorEvent  oArgs.callback {obj} The callback object oArgs.message {str} Error message oArgs.request {obj} The request object oArgs.callback {obj} The callback object oArgs.callback {obj} The callback object oArgs.tld {int} Unique transaction ID
requestEvent oArgs.callback {obj} The callback object oArgs.tld {int} Unique transaction ID
responseCacheEvent oArgs.response {obj} The response object oArgs.callback {obj} The callback object
responseEvent oArgs.request {obj} The request object oArgs.response {obj} The response object oArgs.callback {obj} The callback object oArgs.tld {int} Unique transaction ID
oArgs.request {obj} The request object responseParseEvent oArgs.response {obj} The response object oArgs.callback {obj} The callback object Subscribe to DataSource Custom Events on your DataSource instance:

Subscribe to DataSource Custom Events on your DataSource instance: myDS.subscribe("requestEvent", myFn);

<b>Abstract Methods</b>	
Method	Description
doBeforeCallback	This overridable abstract method gives implementers an opportunity to access the data before it has been cached or returned to the callback. Implementers should be sure to return data in a ready-to-return state to avoid errors.
doBeforeParseData	This overridable abstract method gives implementers an opportunity to munge the data before it is schema-parsed.  Implementers should be sure to return data

## **Dependencies**

DataSource requires the YAHOO Global Object and the Event Utility. Connection Manager (for XHRDataSource), the Get Utility (for ScriptNodeDataSource), and the JSON Utility (for JSON data) are optional.

in a ready-to-parse state to avoid errors.

YAHOO.util.
DataSourceBase
Properties:

dataType (int) liveData (mixed) responseSchema (obj) responseType (int)

YAHOO.util.XHRDataSou rce Properties:

# connMethodPost (b) connMgr

(YAHOO.util.Connect ion)

### connTimeout (int) connXhrMode

("queueRequests" | "cancelStaleRequest s" | ignoreStaleResponse s" | "allowAll")

YAHOO.util.ScriptNodeD ataSource Properties:

### asvncMode

("ignoreStaleRespon ses" | "allowAll")

## getUtility

(YAHOO.util.Get)

scriptCallbackParam (str)