ColVis example Two tables with shared controls

This example shows how the DataTables API can be used with ColVis to use a single ColVis control to effect other tables. This is done by applying ColVis to the first table and then listening for the [column-visibilityDT](http://datatables.net/reference/event/column-visibility) event and updating all other tables when triggered.

This example makes use of the [tables()DT](http://datatables.net/reference/api/tables()) and [table()DT](http://datatables.net/reference/api/table()) methods for working with multiple tables, and also initialised ColVis using the new $.fn.dataTable.ColVis(); operator.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Position | Office | Age | Salary |
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| Tiger Nixon | System Architect | Edinburgh | 61 | $320,800 |
| Cedric Kelly | Senior Javascript Developer | Edinburgh | 22 | $433,060 |
| Sonya Frost | Software Engineer | Edinburgh | 23 | $103,600 |
| Quinn Flynn | Support Lead | Edinburgh | 22 | $342,000 |
| Dai Rios | Personnel Lead | Edinburgh | 35 | $217,500 |
| Gavin Joyce | Developer | Edinburgh | 42 | $92,575 |
| Martena Mccray | Post-Sales support | Edinburgh | 46 | $324,050 |
| Jennifer Acosta | Junior Javascript Developer | Edinburgh | 43 | $75,650 |
| Shad Decker | Regional Director | Edinburgh | 51 | $183,000 |

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| --- | --- | --- | --- | --- |
| Name | Position | Office | Age | Salary |
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| Jena Gaines | Office Manager | London | 30 | $90,560 |
| Haley Kennedy | Senior Marketing Designer | London | 43 | $313,500 |
| Tatyana Fitzpatrick | Regional Director | London | 19 | $385,750 |
| Michael Silva | Marketing Designer | London | 66 | $198,500 |
| Bradley Greer | Software Engineer | London | 41 | $132,000 |
| Angelica Ramos | Chief Executive Officer (CEO) | London | 47 | $1,200,000 |
| Suki Burks | Developer | London | 53 | $114,500 |
| Prescott Bartlett | Technical Author | London | 27 | $145,000 |
| Timothy Mooney | Office Manager | London | 37 | $136,200 |
| Bruno Nash | Software Engineer | London | 38 | $163,500 |
| Hermione Butler | Regional Director | London | 47 | $356,250 |
| Lael Greer | Systems Administrator | London | 21 | $103,500 |

* Javascript
* HTML
* CSS
* Ajax
* Server-side script

The Javascript shown below is used to initialise the table shown in this example:

$(document).ready(function() { var tables = $('table.display').DataTable( { displayLength: 5 } ); // When the column visibility changes on the firs table, also change it on // the others tables.table(0).on('column-visibility', function ( e, settings, colIdx, visibility ) { tables.tables(':gt(0)').column( colIdx ).visible( visibility ); } ); // Create ColVis on the first table only var colvis = new $.fn.dataTable.ColVis( tables.table(0) ); $( colvis.button() ).insertAfter('div.info'); } );

In addition to the above code, the following Javascript library files are loaded for use in this example:

* [../../../media/js/jquery.js](http://docs.google.com/media/js/jquery.js)
* [../../../media/js/jquery.dataTables.js](http://docs.google.com/media/js/jquery.dataTables.js)
* [../js/dataTables.colVis.js](http://docs.google.com/js/dataTables.colVis.js)

The HTML shown below is the raw HTML table element, before it has been enhanced by DataTables:

This example uses a little bit of additional CSS beyond what is loaded from the library files (below), in order to correctly display the table. The additional CSS used is shown below:

The following CSS library files are loaded for use in this example to provide the styling of the table:

* [../../../media/css/jquery.dataTables.css](http://docs.google.com/media/css/jquery.dataTables.css)
* [../css/dataTables.colVis.css](http://docs.google.com/css/dataTables.colVis.css)

This table loads data by Ajax. The latest data that has been loaded is shown below. This data will update automatically as any additional data is loaded.

The script used to perform the server-side processing for this table is shown below. Please note that this is just an example script using PHP. Server-side processing scripts can be written in any language, using [the protocol described in the DataTables documentation](http://datatables.net/manual/server-side).

Other examples

[**Examples**](http://docs.google.com/index.html)

* [Basic initialisation](http://docs.google.com/simple.html)
* [`new` initialisation](http://docs.google.com/new_init.html)
* [Custom button text](http://docs.google.com/text.html)
* [Exclude columns from list](http://docs.google.com/exclude_columns.html)
* [Column button callback](http://docs.google.com/title_callback.html)
* [Button ordering](http://docs.google.com/button_order.html)
* [Mouseover activation](http://docs.google.com/mouseover.html)
* [Group columns](http://docs.google.com/group_columns.html)
* [Two tables with individual controls](http://docs.google.com/two_tables.html)
* [Two tables with shared controls](http://docs.google.com/two_tables_identical.html)
* [Restore / show all](http://docs.google.com/restore.html)
* [jQuery UI styling](http://docs.google.com/jqueryui.html)

Please refer to the [DataTables documentation](http://www.datatables.net) for full information about its API properties and methods.

Additionally, there are a wide range of [extras](http://www.datatables.net/extras) and [plug-ins](http://www.datatables.net/plug-ins) which extend the capabilities of DataTables.

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