

Using DataTables

Examples

Manual

Reference

Options

API

Events

Buttons

Types

Extensions

Plug-ins

More Help

Blog

Forums

Support

FAQs

Get DataTables

Download

Purchase

Options

DataTables and its extensions are extremely configurable libraries and almost every aspect of the enhancements they make to HTML tables can be customised. Features can be enabled, disabled or customised to meet your exact needs for your table implementations. Customisation of these options are performed by defining options in the `$.fn.DataTable()` constructor - for example, in the following code the `scrollY` Option and `paging` Option options are used to enable scrolling and disable pagination:

```
1  $('#myTable').DataTable( {
2      scrollY: 300,
3      paging: false
4  } );
```

JavaScript

There are a huge range of options to customise your tables, which are all fully documented below. For general information about how DataTables' initialisation options can be used, please refer to the [options manual](#).

Search:

Group:

DataTables - FeaturesDataTables - DataDataTables - CallbacksDataTables - OptionsDataTables - ColumnsDataTables - InternationalisationDataTables - StaticAutoFillButtonsColReorderEditorFixedColumnsFixedHeaderKeyTableResponsiveRowGroupRowReorderScrollerSelect

Name	Summary
DataTables - Features	
<code>autoWidth</code> Option	Feature control DataTables' smart column width handling
<code>deferRender</code> Option	Feature control deferred rendering for additional speed of initialisation.
<code>info</code> Option	Feature control table information display field
<code>lengthChange</code> Option	Feature control the end user's ability to change the paging display length of the
<code>ordering</code> Option	Feature control ordering (sorting) abilities in DataTables.
<code>paging</code> Option	Enable or disable table pagination.
<code>processing</code> Option	Feature control the processing indicator.
<code>scrollX</code> Option	Horizontal scrolling
<code>scrollY</code> Option	Vertical scrolling
<code>searching</code> Option	Feature control search (filtering) abilities
<code>serverSide</code> Option	Feature control DataTables' server-side processing mode.
<code>stateSave</code> Option	State saving - restore table state on page reload
DataTables - Data	
<code>ajax.data</code> Option	Add or modify data submitted to the server upon an Ajax request

Name	Summary
ajax.dataSrc <small>Option</small>	Data property or manipulation method for table data
ajax <small>Option</small>	Load data for the table's content from an Ajax source
data <small>Option</small>	Data to use as the display data for the table.
DataTables - Callbacks	
createdRow <small>Option</small>	Callback for whenever a TR element is created for the table's body.
drawCallback <small>Option</small>	Function that is called every time DataTables performs a draw.
footerCallback <small>Option</small>	Footer display callback function.
formatNumber <small>Option</small>	Number formatting callback function.
headerCallback <small>Option</small>	Header display callback function.
infoCallback <small>Option</small>	Table summary information display callback.
initComplete <small>Option</small>	Initialisation complete callback.
preDrawCallback <small>Option</small>	Pre-draw callback.
rowCallback <small>Option</small>	Row draw callback.
stateLoadCallback <small>Option</small>	Callback that defines where and how a saved state should be loaded.
stateLoaded <small>Option</small>	State loaded callback.
stateLoadParams <small>Option</small>	State loaded - data manipulation callback
stateSaveCallback <small>Option</small>	Callback that defines how the table state is stored and where.
stateSaveParams <small>Option</small>	State save - data manipulation callback
DataTables - Options	
deferLoading <small>Option</small>	Delay the loading of server-side data until second draw
destroy <small>Option</small>	Destroy any existing table matching the selector and replace with the new option
displayStart <small>Option</small>	Initial paging start point
dom <small>Option</small>	Define the table control elements to appear on the page and in what order
lengthMenu <small>Option</small>	Change the options in the page length <small>select</small> list.
order <small>Option</small>	Initial order (sort) to apply to the table
orderCellsTop <small>Option</small>	Control which cell the order event handler will be applied to in a column
orderClasses <small>Option</small>	Highlight the columns being ordered in the table's body
orderFixed <small>Option</small>	Ordering to always be applied to the table
orderMulti <small>Option</small>	Multiple column ordering ability control.
pageLength <small>Option</small>	Change the initial page length (number of rows per page)
pagingType <small>Option</small>	Pagination button display options
renderer <small>Option</small>	Display component renderer types
retrieve <small>Option</small>	Retrieve an existing DataTables instance
rowId <small>Option</small>	Data property name that DataTables will use to set <small>tr</small> <small>Tag</small> element DOM IDs

Name	Summary
scrollCollapse <small>Option</small>	Allow the table to reduce in height when a limited number of rows are shown.
search.caseInsensitive <small>Option</small>	Control case-sensitive filtering option.
search.regex <small>Option</small>	Enable / disable escaping of regular expression characters in the search term.
search.search <small>Option</small>	Set an initial filtering condition on the table.
search.smart <small>Option</small>	Enable / disable DataTables' smart filtering
search <small>Option</small>	Set an initial filter in DataTables and / or filtering options.
searchCols <small>Option</small>	Define an initial search for individual columns.
searchDelay <small>Option</small>	Set a throttle frequency for searching
stateDuration <small>Option</small>	Saved state validity duration
stripeClasses <small>Option</small>	Set the zebra stripe class names for the rows in the table.
tabIndex <small>Option</small>	Tab index control for keyboard navigation
DataTables - Columns	
columnDefs.targets <small>Option</small>	Assign a column definition to one or more columns.
columnDefs <small>Option</small>	Set column definition initialisation properties.
columns.cellType <small>Option</small>	Cell type to be created for a column
columns.className <small>Option</small>	Class to assign to each cell in the column
columns.contentPadding <small>Option</small>	Add padding to the text content used when calculating the optimal width for a tab
columns.createdCell <small>Option</small>	Cell created callback to allow DOM manipulation
columns.data <small>Option</small>	Set the data source for the column from the rows data object / array
columns.defaultContent <small>Option</small>	Set default, static, content for a column
columns.name <small>Option</small>	Set a descriptive name for a column
columns.orderable <small>Option</small>	Enable or disable ordering on this column
columns.orderData <small>Option</small>	Define multiple column ordering as the default order for a column
columns.orderDataType <small>Option</small>	Live DOM sorting type assignment
columns.orderSequence <small>Option</small>	Order direction application sequence
columns.render <small>Option</small>	Render (process) the data for use in the table
columns.searchable <small>Option</small>	Enable or disable filtering on the data in this column
columns.title <small>Option</small>	Set the column title
columns.type <small>Option</small>	Set the column type - used for filtering and sorting string processing
columns.visible <small>Option</small>	Enable or disable the display of this column
columns.width <small>Option</small>	Column width assignment
columns <small>Option</small>	Set column specific initialisation properties.
DataTables - Internationalisation	
language.aria.paginate.first <small>Option</small>	WAI-ARIA label for the <i>first</i> pagination button

Name	Summary
language.aria.paginate.last <small>Option</small>	WAI-ARIA label for the <i>last</i> pagination button
language.aria.paginate.next <small>Option</small>	WAI-ARIA label for the <i>next</i> pagination button
language.aria.paginate.previous <small>Option</small>	WAI-ARIA label for the <i>previous</i> pagination button
language.aria.paginate <small>Option</small>	WAI-ARIA labels for pagination buttons
language.aria.sortAscending <small>Option</small>	Language strings used for WAI-ARIA specific attributes
language.aria.sortDescending <small>Option</small>	Language strings used for WAI-ARIA specific attributes
language.aria <small>Option</small>	Language strings used for WAI-ARIA specific attributes
language.decimal <small>Option</small>	Decimal place character
language.emptyTable <small>Option</small>	Table has no records string
language.info <small>Option</small>	Table summary information display string
language.infoEmpty <small>Option</small>	Table summary information string used when the table is empty of records
language.infoFiltered <small>Option</small>	Appended string to the summary information when the table is filtered
language.infoPostFix <small>Option</small>	String to append to all other summary information strings
language.lengthMenu <small>Option</small>	Page length options string
language.loadingRecords <small>Option</small>	Loading information display string - shown when Ajax loading data
language.paginate.first <small>Option</small>	Pagination 'first' button string
language.paginate.last <small>Option</small>	Pagination 'last' button string
language.paginate.next <small>Option</small>	Pagination 'next' button string
language.paginate.previous <small>Option</small>	Pagination 'previous' button string
language.paginate <small>Option</small>	Pagination specific language strings
language.processing <small>Option</small>	Processing indicator string
language.search <small>Option</small>	Search input string
language.searchPlaceholder <small>Option</small>	Search input element placeholder attribute
language.thousands <small>Option</small>	Thousands separator
language.url <small>Option</small>	Load language information from remote file
language <small>Option</small>	Language configuration options for DataTables
language.zeroRecords <small>Option</small>	Table empty as a result of filtering string
DataTables - Static	
\$.fn.dataTable.ext.errMode <small>Option</small>	Set how DataTables will report detected errors
AutoFill	
autoFill.alwaysAsk <small>Option</small>	Always ask the end user if an action should be taken or not
autoFill.columns <small>Option</small>	Select the columns that can be auto filled
autoFill.editor <small>Option</small>	Attach an Editor instance for database updating
autoFill.enable <small>Option</small>	Initial enablement state of AutoFill

Name	Summary
autoFill.focus <small>Option</small>	Action that will cause the auto fill drag handle to appear in a cell
autoFill.horizontal <small>Option</small>	Enable / disable user ability to horizontally drag and fill
autoFill.update <small>Option</small>	Control automatic of data when a fill drag is completed
autoFill.vertical <small>Option</small>	Enable / disable user ability to vertically drag and fill
autoFill <small>Option</small>	Enable and configure the AutoFill extension for DataTables
language.autoFill.button <small>Option</small>	Multi-fill selector button text
language.autoFill.cancel <small>Option</small>	Multi-fill selector cancel option message
language.autoFill.fill <small>Option</small>	Multi-fill selector message for the <i>full fill</i> fill type
language.autoFill.fillHorizontal <small>Option</small>	Multi-fill selector message for the <i>horizontal fill</i> fill type
language.autoFill.fillVertical <small>Option</small>	Multi-fill selector message for the <i>vertical fill</i> fill type
language.autoFill.increment <small>Option</small>	Multi-fill selector message for the <i>increment</i> fill type
language.autoFill.info <small>Option</small>	Information message shown at the top of the fill type selector
language.autoFill <small>Option</small>	Container object for language strings used by AutoFill
Buttons	
buttons.buttons.action <small>Option</small>	Action to take when the button is activated
buttons.buttons.attr <small>Option</small>	Collection of attribute key / values to set for a button
buttons.buttons.available <small>Option</small>	Ensure that any requirements have been satisfied before initialising a button
buttons.buttons.className <small>Option</small>	Set the class name for the button
buttons.buttons.destroy <small>Option</small>	Function that is called when the button is destroyed
buttons.buttons.enabled <small>Option</small>	Set a button's initial enabled state
buttons.buttons.extend <small>Option</small>	Define which button type the button should be based on
buttons.buttons.init <small>Option</small>	Initialisation function that can be used to add events specific to this button
buttons.buttons.key <small>Option</small>	Define an activation key for a button
buttons.buttons.name <small>Option</small>	Set a name for each selection
buttons.buttons.namespace <small>Option</small>	Unique namespace for every button
buttons.buttons.tag <small>Option</small>	Set the tag for the button
buttons.buttons.text <small>Option</small>	The text to show in the button
buttons.buttons.titleAttr <small>Option</small>	Button <code>title</code> attribute text
buttons.buttons <small>Option</small>	List of buttons to be created
buttons.dom.button <small>Option</small>	DOM configuration for individual button elements
buttons.dom.buttonContainer <small>Option</small>	DOM configuration of a button container element
buttons.dom.buttonLiner <small>Option</small>	DOM configuration of a button liner element
buttons.dom.collection <small>Option</small>	DOM configuration of the collection display
buttons.dom.container <small>Option</small>	DOM configuration of the Buttons container element

Name	Summary
buttons.dom <small>Option</small>	Options to control the DOM structure Buttons creates
buttons.name <small>Option</small>	Set a name for the instance for the group selector
buttons <small>Option</small>	Buttons configuration object
ColReorder	
colReorder.enable <small>Option</small>	Initial enablement state of ColReorder
colReorder.fixedColumnsLeft <small>Option</small>	Disallow x columns from reordering (counting from the left)
colReorder.fixedColumnsRight <small>Option</small>	Disallow x columns from reordering (counting from the right)
colReorder.order <small>Option</small>	Set a default order for the columns in the table
colReorder.realtime <small>Option</small>	Enable / disable live reordering of columns during a drag
colReorder <small>Option</small>	Enable and configure the ColReorder extension for DataTables
Editor	
columns.editField <small>Option</small>	Define which field a column should trigger editing on
FixedColumns	
fixedColumns.heightMatch <small>Option</small>	Row height matching algorithm to use
fixedColumns.leftColumns <small>Option</small>	Number of columns to fix to the left of the table
fixedColumns.rightColumns <small>Option</small>	Number of columns to fix to the right of the table
fixedColumns <small>Option</small>	Enable and configure the FixedColumns extension for DataTables
FixedHeader	
fixedHeader.footer <small>Option</small>	Enable / disable fixed footer
fixedHeader.footerOffset <small>Option</small>	Offset the table's fixed footer
fixedHeader.header <small>Option</small>	Enable / disable fixed header
fixedHeader.headerOffset <small>Option</small>	Offset the table's fixed header
fixedHeader <small>Option</small>	FixedHeader configuration object
KeyTable	
keys.blurable <small>Option</small>	Allow KeyTable's focus to be blurred (removed) from a table
keys.className <small>Option</small>	Set the class name used for the focused cell
keys.clipboard <small>Option</small>	Enable / disable clipboard interaction with KeyTable
keys.clipboardOrthogonal <small>Option</small>	Set the orthogonal data to copy to clipboard
keys.columns <small>Option</small>	Select the columns that can gain focus
keys.editAutoSelect <small>Option</small>	Set if Editor should automatically select the text in the input
keys.editOnFocus <small>Option</small>	Control if editing should be activated immediately upon focus
keys.editor <small>Option</small>	Attach an Editor instance for Excel like editing
keys.editorKeys <small>Option</small>	Enable or disable navigation while inline editing
keys.focus <small>Option</small>	Cell to receive initial focus in the table

Name	Summary
keys.keys <small>Option</small>	Limit the keys that KeyTable will listen for and take action on
keys.tabIndex <small>Option</small>	Set the table's tab index for when it will receive focus
keys <small>Option</small>	Enable and configure the KeyTable extension for DataTables
Responsive	
columns.responsivePriority <small>Option</small>	Set column's visibility priority
responsive.breakpoints <small>Option</small>	Set the breakpoints for a Responsive instance
responsive.details.display <small>Option</small>	Define how the hidden information should be displayed to the end user
responsive.details.renderer <small>Option</small>	Define the renderer used to display the child rows
responsive.details.target <small>Option</small>	Column / selector for child row display control when using column details type
responsive.details.type <small>Option</small>	Set the child row display control type
responsive.details <small>Option</small>	Enable and configure the child rows shown by Responsive for collapsed tables
responsive.orthogonal <small>Option</small>	Set the orthogonal data request type for the hidden information display
responsive <small>Option</small>	Enable and configure the Responsive extension for DataTables
RowGroup	
rowGroup.className <small>Option</small>	Set the class name to be used for the grouping rows
rowGroup.dataSrc <small>Option</small>	Set the data point to use as the grouping data source
rowGroup.emptyDataGroup <small>Option</small>	Text to show for rows which have <code>null</code> , <code>undefined</code> or empty string group data
rowGroup.enable <small>Option</small>	Provides the ability to disable row grouping at initialisation
rowGroup.endClassName <small>Option</small>	Set the class name to be used for the grouping end rows
rowGroup.endRender <small>Option</small>	Provide a function that can be used to control the data shown in the end groupir
rowGroup.startClassName <small>Option</small>	Set the class name to be used for the grouping start rows
rowGroup.startRender <small>Option</small>	Provide a function that can be used to control the data shown in the start groupi
rowGroup <small>Option</small>	Enable and configure the RowGroup extension for DataTables
RowReorder	
rowReorder.dataSrc <small>Option</small>	Configure the data point that will be used for the reordering data
rowReorder.editor <small>Option</small>	Attach an Editor instance for database updating
rowReorder.enable <small>Option</small>	Enable / disable RowReorder's user interaction
rowReorder.formOptions <small>Option</small>	Set the options for the Editor form when submitting data
rowReorder.selector <small>Option</small>	Define the selector used to pick the elements that will start a drag
rowReorder.snapX <small>Option</small>	Horizontal position control of the row being dragged
rowReorder.update <small>Option</small>	Control automatic of data when a row is dropped
rowReorder <small>Option</small>	Enable and configure the RowReorder extension for DataTables
Scroller	
scroller.boundaryScale <small>Option</small>	Set the point at which new data will be loaded and drawn

Name	Summary
scroller.displayBuffer <small>Option</small>	The amount of data that Scroller should pre-buffer to ensure smooth scrolling
scroller.loadingIndicator <small>Option</small>	Display a <i>loading</i> message while Scroller is loading additional data
scroller.rowHeight <small>Option</small>	Set the row height, or how the row height is calculated
scroller.serverWait <small>Option</small>	Time delay before new data is requested when server-side processing is enable
scroller <small>Option</small>	Enable and configure the Scroller extension for DataTables
Select	
language.select.cells <small>Option</small>	Table information summary string for the number of cells selected
language.select.columns <small>Option</small>	Table information summary string for the number of columns selected
language.select.rows <small>Option</small>	Table information summary string for the number of rows selected
language.select <small>Option</small>	Container object for language strings used by Select
select.blurable <small>Option</small>	Indicate if the selected items will be removed when clicking outside of the table
select.className <small>Option</small>	Set the class name that will be applied to selected items
select.info <small>Option</small>	Enable / disable the display for item selection information in the table summary.
select.items <small>Option</small>	Set which table items to select (rows, columns or cells)
select.selector <small>Option</small>	Set the element selector used for mouse event capture to select items
select.style <small>Option</small>	Set the selection style for end user interaction with the table
select <small>Option</small>	Select configuration object

DataTables

DataTables designed and created by [SpryMedia Ltd](#).

© 2007-2018 MIT licensed. [Privacy policy](#). [Supporters](#).

SpryMedia Ltd is registered in Scotland, company no. SC456502.