## Options

## 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 \\$().DataTable() constructor - for example, in the following code the <a href="mailto:scrolly">scrolly</a> Option and <a href="mailto:paging">paging</a> Option options are used to enable scrolling and disable pagination:

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

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.

autoWidth Option	DataTables' smart column width handling
deferRender Option	Feature control deferred rendering for additional speed of initialisation.
info Option	Feature control table information display field
lengthChange Option	Feature control the end user's ability to change the paging display length of the table.
ordering Option	Feature control ordering (sorting) abilities in DataTables.
paging Option	Enable or disable table pagination.
processing Option	Feature control the processing indicator.
scrollX Option	Horizontal scrolling
scrollY Option	Vertical scrolling
searching Option	Feature control search (filtering) abilities
serverSide Option	Feature control DataTables' server-side processing mode.
	State saving -

Feature control

stateSave Option	restore table state on page reload
DataTables - Data	
ajax Option	Load data for the table's content from an Ajax source
ajax.data Option	Add or modify data submitted to the server upon an Ajax request
ajax.dataSrc Option	Data property or manipulation method for table data
data Option	Data to use as the display data for the table.
DataTables - Callbacks	
<u>createdRow</u> Option	Callback for whenever a TR element is created for the table's body.
drawCallback Option	Function that is called every time DataTables performs a draw.
footerCallback Option	Footer display callback function.
formatNumber Option	Number formatting callback function.
headerCallback Option	Header display callback function.
infoCallback Option	Table summary information display callback.

<u>initComplete</u> Option	Initialisation complete callback.
preDrawCallback Option	Pre-draw callback.
rowCallback Option	Row draw callback.
stateLoadCallback Option	Callback that defines where and how a saved state should be loaded.
stateLoadParams Option	State loaded - data manipulation callback
stateLoaded Option	State loaded callback.
stateSaveCallback Option	Callback that defines how the table state is stored and where.
stateSaveParams Option	State save - data manipulation callback
DataTables - Options	
deferLoading Option	Delay the loading of server-side data until second draw
destroy Option	Destroy any existing table matching the selector and replace with the new options.
displayStart   Option	Initial paging start point

dom Option	control elements to appear on the page and in what order
lengthMenu   Option	Change the options in the page length select
order Option	Initial order (sort) to apply to the table
orderCellsTop Option	Control which cell the order event handler will be applied to in a column
orderClasses Option	Highlight the columns being ordered in the table's body
orderFixed Option	Ordering to always be applied to the table
orderMulti Option	Multiple column ordering ability control.
pageLength Option	Change the initial page length (number of rows per page)
<pre>pagingType   Option</pre>	Pagination button display options
renderer Option	Display component renderer types
retrieve Option	Retrieve an existing DataTables instance

Define the table

rowId Option	Data property name that DataTables will use to set tr Tag element DOM IDs
scrollCollapse Option	Allow the table to reduce in height when a limited number of rows are shown.
search Option	Set an initial filter in DataTables and / or filtering options.
<pre>search.caseInsensitive</pre>	Control case- sensitive filtering option.
search.regex Option	Enable / disable escaping of regular expression characters in the search term.
search.search Option	Set an initial filtering condition on the table.
search.smart Option	Enable / disable DataTables' smart filtering
searchCols Option	Define an initial search for individual columns.
searchDelay Option	Set a throttle frequency for searching
stateDuration Option	Saved state validity duration

stripeClasses Option	stripe class names for the rows in the table.
tabIndex Option	Tab index control for keyboard navigation
DataTables - Columns	
columnDefs Option	Set column definition initialisation properties.
<pre>columnDefs.targets Option</pre>	Assign a column definition to one or more columns.
columns Option	Set column specific initialisation properties.
columns.cellType Option	Cell type to be created for a column
columns.className Option	Class to assign to each cell in the column
<pre>columns.contentPadding</pre>	Add padding to the text content used when calculating the optimal width for a table.
<pre>columns.createdCell Option</pre>	Cell created callback to allow DOM manipulation
columns.data Option	Set the data source for the column from the rows data object / array

Set the zebra

<pre>columns.defaultContent Option</pre>	Set default, static, content for a column
columns.name Option	Set a descriptive name for a column
columns.orderData Option	Define multiple column ordering as the default order for a column
columns.orderDataType Option	Live DOM sorting type assignment
columns.orderSequence Option	Order direction application sequence
columns.orderable Option	Enable or disable ordering on this column
columns.render Option	Render (process) the data for use in the table
<pre>columns.searchable Option</pre>	Enable or disable search on the data in this column
columns.title Option	Set the column title
columns.type Option	Set the column type - used for filtering and sorting string processing
columns.visible Option	Enable or disable the display of this column
columns.width Option	Column width assignment

DataTables - Internationalisation	
language Option	Language configuration options for DataTables
language.aria Option	Language strings used for WAI- ARIA specific attributes
language.aria.paginate Option	WAI-ARIA labels for pagination buttons
<pre>language.aria.paginate.first</pre>	WAI-ARIA label for the <i>first</i> pagination button
language.aria.paginate.last Option	WAI-ARIA label for the <i>last</i> pagination button
language.aria.paginate.next Option	WAI-ARIA label for the <i>next</i> pagination button
language.aria.paginate.previous Option	WAI-ARIA label for the <i>previous</i> pagination button
language.aria.sortAscending Option	Language strings used for WAI- ARIA specific attributes
<pre>language.aria.sortDescending</pre>	Language strings used for WAI- ARIA specific attributes
<pre>language.decimal Option</pre>	Decimal place character
<pre>language.emptyTable</pre>	Table has no records string
<pre>language.info</pre>	Table summary information

,	display string
language.infoEmpty Option	Table summary information string used when the table is empty of records
language.infoFiltered Option	Appended string to the summary information when the table is filtered
language.infoPostFix Option	String to append to all other summary information strings
language.lengthMenu Option	Page length options string
language.loadingRecords Option	Loading information display string - shown when Ajax loading data
<pre>language.paginate</pre>	Pagination specific language strings
<pre>language.paginate.first</pre>	Pagination 'first' button string
<pre>language.paginate.last</pre> Option	Pagination 'last' button string
<pre>language.paginate.next</pre>	Pagination 'next' button string
<pre>language.paginate.previous   Option</pre>	Pagination 'previous' button string
<pre>language.processing Option</pre>	Processing indicator string
<pre>language.search</pre>	Search input string

language.searchPlaceholder Option	element placeholder attribute
<pre>language.thousands</pre>	Thousands separator
<pre>language.url Option</pre>	Load language information from remote file
<pre>language.zeroRecords</pre>	Table empty as a result of filtering string
DataTables - Static	
\$.fn.dataTable.ext.errMode Option	Set how DataTables will report detected errors
AutoFill	
autoFill   Option	Enable and configure the AutoFill extension for DataTables
autoFill.alwaysAsk Option	Always ask the end user if an action should be taken or not
autoFill.columns Option	Select the columns that can be auto filled
autoFill.editor Option	Attach an Editor instance for database updating
autoFill.enable Option	Initial enablement state of AutoFill
autoFill.focus Option	Action that will cause the auto fill drag handle to

Search input

	appear in a cell
autoFill.horizontal Option	Enable / disable user ability to horizontally drag and fill
autoFill.update Option	Control automatic update of data when a fill drag is completed
autoFill.vertical Option	Enable / disable user ability to vertically drag and fill
<pre>language.autoFill Option</pre>	Container object for language strings used by AutoFill
<pre>language.autoFill.button</pre>	Multi-fill selector button text
<pre>language.autoFill.cancel Option</pre>	Multi-fill selector cancel option message
<pre>language.autoFill.fill   Option</pre>	Multi-fill selector message for the full fill type
<pre>language.autoFill.fillHorizontal</pre>	Multi-fill selector message for the horizontal fill fill type
<pre>language.autoFill.fillVertical</pre>	Multi-fill selector message for the vertical fill fill type
<pre>language.autoFill.increment   Option  </pre>	Multi-fill selector message for the increment fill type
<pre>language.autoFill.info</pre>	Information message shown at the top of the fill type selector

Buttons	
buttons Option	Buttons configuration object
buttons.buttons Option	List of buttons to be created
buttons.buttons.action Option	Action to take when the button is activated
<pre>buttons.buttons.attr   Option</pre>	Collection of attribute key / values to set for a button
buttons.buttons.available Option	Ensure that any requirements have been satisfied before initialising a button
buttons.buttons.className Option	Set the class name for the button
buttons.buttons.destroy Option	Function that is called when the button is destroyed
buttons.buttons.enabled Option	Set a button's initial enabled state
<pre>buttons.buttons.extend</pre>	Define which button type the button should be based on
buttons.buttons.init Option	Initialisation function that can be used to add events specific to this button
	Define an

<pre>buttons.buttons.key Option</pre>	activation key for a button
<pre>buttons.buttons.name</pre>	Set a name for each selection
<pre>buttons.buttons.namespace</pre>	Unique namespace for every button
buttons.buttons.tag Option	Set the tag for the button
<pre>buttons.buttons.text Option</pre>	The text to show in the button
buttons.buttons.titleAttr Option	Button <b>title</b> attribute text
buttons.dom Option	Options to control the DOM structure Buttons creates
buttons.dom.button Option	DOM configuration for individual button elements
buttons.dom.buttonContainer Option	DOM configuration of a button container element
<pre>buttons.dom.buttonLiner</pre>	DOM configuration of a button liner element
buttons.dom.collection Option	DOM configuration of the collection display
buttons.dom.container Option	DOM configuration of the Buttons container element
	Set a name for

buttons.name Option	the instance for the group selector
ColReorder	
colReorder Option	Enable and configure the ColReorder extension for DataTables
colReorder.enable Option	Initial enablement state of ColReorder
<pre>colReorder.fixedColumnsLeft</pre>	Disallow x columns from reordering (counting from the left)
<pre>colReorder.fixedColumnsRight</pre>	Disallow x columns from reordering (counting from the right)
colReorder.order Option	Set a default order for the columns in the table
colReorder.realtime Option	Enable / disable live reordering of columns during a drag
FixedColumns	
fixedColumns Option	Enable and configure the FixedColumns extension for DataTables
fixedColumns.heightMatch Option	Row height matching algorithm to use

fixedColumns.leftColumns Option	Number of columns to fix to the left of the table
fixedColumns.rightColumns Option	Number of columns to fix to the right of the table
FixedHeader	
fixedHeader Option	FixedHeader configuration object
<pre>fixedHeader.footer   Option</pre>	Enable / disable fixed footer
<pre>fixedHeader.footerOffset   Option</pre>	Offset the table's fixed footer
fixedHeader.header Option	Enable / disable fixed header
fixedHeader.headerOffset Option	Offset the table's fixed header
KeyTable	
keys Option	Enable and configure the KeyTable extension for DataTables
keys.blurable Option	Allow KeyTable's focus to be blurred (removed) from a table
keys.className Option	Set the class name used for the focused cell
keys.clipboard Option	Enable / disable clipboard interaction with KeyTable

keys.clipboardOrthogonal Option	orthogonal data to copy to clipboard
keys.columns Option	Select the columns that can gain focus
keys.editOnFocus Option	Control if editing should be activated immediately upon focus
keys.editor Option	Attach an Editor instance for Excel like editing
keys.focus Option	Cell to receive initial focus in the table
keys.keys Option	Limit the keys that KeyTable will listen for and take action on
keys.tabIndex Option	Set the table's tab index for when it will receive focus
Responsive	
columns.responsivePriority Option	Set column's visibility priority
responsive Option	Enable and configure the Responsive extension for DataTables
responsive.breakpoints Option	Set the breakpoints for a Responsive instance
	Enable and

Set the

responsive.details Option	child rows shown by Responsive for collapsed tables
responsive.details.display Option	Define how the hidden information should be displayed to the end user
responsive.details.renderer Option	Define the renderer used to display the child rows
responsive.details.target Option	Column / selector for child row display control when using column details type
responsive.details.type Option	Set the child row display control type
responsive.orthogonal Option	Set the orthogonal data request type for the hidden information display
RowGroup	
rowGroup Option	Enable and configure the RowGroup extension for DataTables
rowGroup.className Option	Set the class name to be used for the grouping rows
	Set the data point

configure the

rowGroup.dataSrc Option	to use as the grouping data source
<pre>rowGroup.emptyDataGroup</pre>	Text to show for rows which have null, undefined or empty string group data
<pre>rowGroup.enable Option</pre>	Provides the ability to disable row grouping at initialisation
<pre>rowGroup.endClassName</pre>	Set the class name to be used for the grouping end rows
rowGroup.endRender Option	Provide a function that can be used to control the data shown in the end grouping row.
rowGroup.startClassName Option	Set the class name to be used for the grouping start rows
rowGroup.startRender Option	Provide a function that can be used to control the data shown in the start grouping row.
RowReorder	
rowReorder Option	Enable and configure the RowReorder extension for DataTables
	Configure the

rowReorder.dataSrc Option	data point that will be used for the reordering data
rowReorder.editor Option	Attach an Editor instance for database updating
rowReorder.enable Option	Enable / disable RowReorder's user interaction
<pre>rowReorder.formOptions   Option</pre>	Set the options for the Editor form when submitting data
rowReorder.selector Option	Define the selector used to pick the elements that will start a drag
rowReorder.snapX Option	Horizontal position control of the row being dragged
<u>rowReorder.update</u> Option	Control automatic of data when a row is dropped
Scroller	
scroller Option	Enable and configure the Scroller extension for DataTables
scroller.boundaryScale Option	Set the point at which new data will be loaded and drawn
scroller.displayBuffer Option	The amount of data that Scroller should pre-buffer to ensure smooth scrolling

scroller.loadingIndicator Option	Display a loading message while Scroller is loading additional data
scroller.rowHeight Option	Set the row height, or how the row height is calculated
scroller.serverWait Option	Time delay before new data is requested when server-side processing is enabled
SearchBuilder	
button.searchBuilder Option	Button that is enabled when SearchBuilder is to be used through a button
<pre>columns.searchBuilder.orthogonal</pre>	Set values of orthogonal data for rendering functions
<pre>language.searchBuilder.add</pre>	Set the message to be displayed in the SearchBuilder add button
<pre>language.searchBuilder.button</pre>	Set SearchBuilder button text
<pre>language.searchBuilder.clearAll</pre>	Text to be displayed in the SearchBuilder clear all button
language.searchBuilder.condition Option	Set the placeholder text for the SearchBuilder condition select

	element
language.searchBuilder.conditions Option	Define custom condition names for SearchBuilder conditions
<pre>language.searchBuilder.conditions.array</pre>	Set the condition names for columns that use arrays
<pre>language.searchBuilder.conditions.date</pre>	Set the condition names for the date column type
<pre>language.searchBuilder.conditions.number</pre>	Set the condition names for the number column type
<pre>language.searchBuilder.conditions.string</pre>	Set the condition names for the string column type
<pre>language.searchBuilder.conditions[type]</pre>	The object containing the condition names for a specific type
language.searchBuilder.data Option	Set the placeholder text for the SearchBuilder data select element
<pre>language.searchBuilder.deleteTitle</pre>	Set the <b>title</b> attribute of the SearchBuilder delete criteria button
<pre>language.searchBuilder.leftTitle</pre>	Set the title attribute of the SearchBuilder left button
	Message to

language.searchBuilder.logicAnd Option	display when AND logic is in place
<pre>language.searchBuilder.logicOr</pre> Option	Message to display when OR logic is in place
<pre>language.searchBuilder.rightTitle</pre>	Set the title attribute of the SearchBuilder right button
<pre>language.searchBuilder.title</pre>	Set the SearchBuilder Title text
language.searchBuilder.value Option	Set the placeholder text for the SearchBuilder value select element
language.searchBuilder.valueJoiner Option	Set the text between the value input elements where two are required
searchBuilder.columns Option	Restrict which columns can be filtered on
searchBuilder.conditions Option	Define custom conditions for SearchBuilder
searchBuilder.conditions[type] Option	The object structure for the type object containing additional conditions for SearchBuilder
<pre>searchBuilder.conditions[type][cond] Option</pre>	The object structure for additional conditions for

	SearchBuilder
<pre>searchBuilder.conditions[type][cond].conditionName</pre>	The value that is displayed in the condition select element
<pre>searchBuilder.conditions[type][cond].init</pre>	Function which returns the JQuery element to be used as the value element
<pre>searchBuilder.conditions[type][cond].inputValue</pre>	Function to get the values that are to be used in the comparisons
<pre>searchBuilder.conditions[type][cond].isInputValid</pre>	Function to determine if the criteria is islnput/alid
<pre>searchBuilder.conditions[type][cond].search Option</pre>	Define the comparison function for the condition
<pre>searchBuilder.depthLimit   Option</pre>	Impose a limit on the depth of the groups
searchBuilder.greyscale Option	Removes the colours from SearchBuilder
searchBuilder.logic Option	Set the default logic operator
searchBuilder.preDefined Option	Set a predefined search query
<pre>searchBuilder.preDefined.criteria</pre>	Declares criteria and sub-groups within the array
<pre>searchBuilder.preDefined.criteria.condition</pre>	Define the condition to be selected

searchBuilder.preDefined.criteria.data Option	Define the data point to be selected
searchBuilder.preDefined.criteria.value Option	Define the value to be selected
searchBuilder.preDefined.logic Option	Set the logic operator for a predefined group
SearchPanes	
button.searchPanes Option	Enable SearchPanes through a button
columns.searchPanes Option	Container for options for individual columns
columns.searchPanes.className Option	Add a custom class name to a pane
<pre>columns.searchPanes.combiner</pre>	Set the type of logic to be implemented on the pane
columns.searchPanes.controls Option	Hide the Control buttons and disable searching in the pane of a specific column
<pre>columns.searchPanes.dtOpts</pre>	Define properties of the DataTables being used for an individual pane
columns.searchPanes.emptyMessage Option	Set custom empty messages for specific panes
columns.searchPanes.header Option	Set the title of the SearchPane
	Deprecated. Hide

columns.searchPanes.hideCount Option	the count column in the pane of a specific column
<pre>columns.searchPanes.name</pre>	Set the name of the SearchPane
columns.searchPanes.options Option	Define custom search options
<pre>columns.searchPanes.orderable</pre>	Hide the ordering buttons in the pane of a specific column
columns.searchPanes.orthogonal Option	Set values of orthogonal data for rendering functions
<pre>columns.searchPanes.preSelect</pre>	Pre-selected options in a pane
<pre>columns.searchPanes.show</pre>	Force Panes to hide or show
<pre>columns.searchPanes.threshold</pre>	Set the minimum number of unique values needed in a specific column to display that pane
<pre>columns.searchPanes.viewCount</pre>	Hide the count column in the pane of a specific column
<pre>language.searchPanes</pre>	Container for options for language
searchPanes Option	Enable Search Panes
searchPanes.cascadePanes Option	Allow panes to cascade under selection
	Disable buttons

searchPanes.clear Option	to allow quick clearing of selections in panes
searchPanes.columns Option	Select which columns should be considered when displaying panes
searchPanes.controls Option	Hide the control buttons and disable searching in all panes
searchPanes.dtOpts Option	Define properties of the DataTables being used as Panes
searchPanes.emptyMessage Option	Deprecated. Set custom empty message
searchPanes.filterChanged Option	Function to update title text when selections are made.
<pre>searchPanes.hideCount</pre>	Deprecated. Hide the count column in all panes
searchPanes.i18n Option	Container for options for language
<pre>searchPanes.i18n.clearMessage</pre>	Set the message to be displayed in the Clear button
searchPanes.i18n.collapse Option	Set the message to be displayed in the SearchPanes Button
<pre>searchPanes.i18n.count</pre>	Set the message to be displayed in the count column

•	when not searching
searchPanes.i18n.countFiltered Option	Set the message to be displayed in the count column when searching
searchPanes.i18n.emptyMessage Option	Add internationalisation to the empty message displayed as a pane option
searchPanes.i18n.emptyPanes Option	Add internationalisation to the message shown when no panes are displayed
searchPanes.i18n.loadMessage Option	Add internationalisation to the message shown when the panes are loading
searchPanes.i18n.title Option	Add internationalisation to the title showing how many panes are selected
<pre>searchPanes.layout   Option</pre>	Set the layout of how the panes are displayed on the page
searchPanes.order Option	Set the order of the Panes
searchPanes.orderable Option	Hide the ordering buttons in all panes
searchPanes.panes Option	Define custom panes to filter across all

	columns
searchPanes.panes.className Option	Add a custom class for a custom pane
<pre>searchPanes.panes.dtOpts Option</pre>	Define the DataTables options for a custom pane
<pre>searchPanes.panes.header Option</pre>	Define the header for custom panes
searchPanes.panes.options Option	Define the options for custom panes
searchPanes.panes.options.className Option	Add classes to specific options of a custom pane
searchPanes.panes.options.label Option	Define the label for an option of a custom pane
<pre>searchPanes.panes.options.value</pre>	Define the value for an option of a custom pane
<pre>searchPanes.panes.preSelect</pre>	Define any preSelections for the custom panes
searchPanes.threshold Option	Set the minimum ratio of unique values to total values needed in a column to display it's pane
searchPanes.viewCount Option	Show the count column in all panes
searchPanes.viewTotal Option	Update the count column when searching to show visible

Select	
<pre>language.select   Option</pre>	Container object for language strings used by Select
<pre>language.select.cells</pre>	Table information summary string for the number of cells selected
<pre>language.select.columns</pre>	Table information summary string for the number of columns selected
<pre>language.select.rows</pre>	Table information summary string for the number of rows selected
select Option	Select configuration object
select.blurable Option	Indicate if the selected items will be removed when clicking outside of the table
select.className Option	Set the class name that will be applied to selected items
select.info Option	Enable / disable the display for item selection information in the table summary.
select.items Option	Set which table items to select (rows, columns or cells)

<pre>select.selector Option</pre>	Set the element selector used for mouse event capture to select items
select.style Option	Set the selection style for end user interaction with the table
<pre>select.toggleable   Option</pre>	Disable the deselection of selected rows when clicked



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