

# Ignite UI™ 2014.2 Release Notes

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Create the best Web experiences in browsers and devices with our user interface controls designed expressly for jQuery, ASP.NET MVC, HTML 5 and CSS 3. You'll be building on a solid foundation of robust Web technology without the need for plug-ins or extensions.

## Installation

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## Release Notes

Component	Product Impact	Description
igChart	Bug Fix	CategoryDateTimeX axis cannot be used in MVC as exceptions are thrown due to date fields being serialized as strings in the model <b>Note:</b> A mechanism has been provided by which to parse Microsoft JSON dates for the category date time axis when used with the MVC wrapper for the igDataChart.
igChart	Bug Fix	Series removal of igDataChart removes wrong series <b>Note:</b> A scenario where the actual series in the chart and the interrogated series in the chart would mismatch has been resolved.
igChart	Bug Fix	Exception in the igDataChart is thrown in the CssGradientUtil
igChart	Bug Fix	reverseLogicalOrder property is not implemented on the Stacked Series <b>Note:</b> Added 'reverseLegendOrder' property to StackedSeries
igChart	Bug Fix	When the Modernizr script is loaded the zoom displays as an Overview button.
igColorPicker	Bug Fix	The colors and standardColors options cannot be changed at runtime
igColorPickerSplitButton	Bug Fix	The defaultColor option cannot be changed at runtime
igColorPickerSplitButton	Bug Fix	When changing the color with setColor method the previously selected color is still selected

igCombo	Bug Fix	When multiSelection: 'onWithCheckboxes' and selecting items via the keyboard - wrong checkboxes are checked in the list
igCombo	Bug Fix	When selectionChanging event is canceled a JavaScript exception with message "Uncaught TypeError: Cannot read property 'length' of undefined" is thrown
igCombo	Bug Fix	igCombo items appear cropped inside the dropdown when using the iOS theme with bootstrap.css
igDataSource	Bug Fix	igGrid not able to data-bind when primary key field is not defined <b>Note:</b> Resolved an issue preventing igGrid/igHierarchicalGrid from binding to a data source when a primary key is set but the primary key column is not defined.
igDataSource	Bug Fix	The dataBound event is called before the JSON request is returned
igDataSource	Improvement	Filter field, then apply sorting and change filtering condition. Filtered data is not sorted <b>Note:</b> Clearing a filter condition will now persist the sorting state.
igDoughnutChart	Bug Fix	updateSeries creates a null reference exception and does not update the data <b>Note:</b> When runtime data source is changed in series this caused an exception. This is fixed now.
igEditor	Bug Fix	Input characters issue when using Internet Explorer 11 with WebBrowser control in Windows Forms application
igEditor	Bug Fix	Validator cuts off part of the text it contains
igFileUpload	Bug Fix	igUpload.onError callback is not fired when UploadStarting handler is canceled

		Client-side validation for file extension is case sensitive for igUpload <b>Note:</b> Client-side validation is changed to be case insensitive. A new client-side event is exposed: fileExtensionsValidating. It is fired when validating file extensions and it is cancelable. Function takes arguments evt and ui. Use ui.fileName to get the full file name. Use ui.fileExtension to get file extension.
igFileUpload	Improvement	
igFileUpload	Bug Fix	igUpload.destroy removes the DOM container of the control placeholder
		The brushes option does not work <b>Note:</b> Setting brush collection to igFunnelChart did not have effect.
igFunnelChart	Bug Fix	
igGauge	Bug Fix	The needle in the linear gauge appears incomplete
igGrid	Bug Fix	The width returned by columnByKey method is a number even though it's set as a string in pixels.
igGrid	Bug Fix	If there aren't any data-skip columns hasFixedDataSkippedColumns method returns the element of the grid.
		"Uncaught Error: There was an error parsing the JSON data and applying the defined data schema" exception when using remote data source <b>Note:</b> When binding the grid to a remote data source it is no longer needed to match the data schema fully. Fields that cannot be found will have an assumed value of null with its interpretation varying between the different column types.
igGrid	Improvement	
igGrid	Bug Fix	When virtualization is enabled and grid width is changed using the API, grid container is not resized

		JavaScript error thrown in Internet Explorer 8 <b>Note:</b> An error "Object doesn't support property or method 'addEventListener'" was thrown in infragistics.ui.scroll.js
igGrid	Bug Fix	
igGrid	Bug Fix	Column misalignment on touch devices when there is a igGrid.height set
igGrid	Bug Fix	fixedRows method is not returning any rows
igGrid	Bug Fix	Improper row sizes in grid with Paging, ColumnFixing, Selection, and RowSelectors enabled
igGrid	Bug Fix	Unable to get the row id for a selected row that is not scrolled into view when row virtualization is enabled
igGrid	Bug Fix	When grid's data source is html table string and autoGenerateColumns is true the columns are not correct.
igGrid	Bug Fix	igGrid doesn't throw an error when it gets data from a service and the service returns response in a wrong format
igGrid	Bug Fix	igGrid's selection API returns results for any other grid when in hierarchical scenario <b>Note:</b> Using selection-related API in igGrid will not longer be able to return results for other children in hierarchical scenarios.
igGrid	Breaking Change (Other)	When setting column format to percent the formatted value doesn't reflect proper math to address decimal placement <b>Note:</b> The percent format is now multiplied by 100. This is a breaking change with its previous functionality.
igGrid	Bug Fix	Initial rendering of the grid is displayed outside of its container
igGrid	Bug Fix	The enableUTCDates option is ignored when using a format of 'dddd'
igGrid (AppendRowsOnDemand)	Bug Fix	With local Sorting active, rows are not correctly sorted after loading more data
igGrid (AppendRowsOnDemand)	Bug Fix	Changing the filter causes the AppendRowsOnDemand to stop functioning.
igGrid (AppendRowsOnDemand)	Bug Fix	Changing the filter after sorting causes the AppendRowsOnDemand to stop functioning.

igGrid (AppendRowsOnDemand)	Bug Fix	When the height is big enough to hold 2 chunks of data the grid continuously makes more requests and the rendered data is not correct.
igGrid (AppendRowsOnDemand)	Bug Fix	Filter condition isn't respected when type is set to "local".
igGrid (Checkbox Column)	Bug Fix	Checkboxes in checkbox (boolean) columns are not centered vertically inside the cells
igGrid (ColumnFixing)	Bug Fix	The fixed and unfixed rows are misaligned if you fix the last column and the column before it has value that spans on two or more lines.
igGrid (ColumnFixing)	Bug Fix	When you navigate with Enter or Down arrow key in edit mode in fixed column the grid do not scroll properly.
igGrid (ColumnFixing)	Bug Fix	When a summary is spanned on two lines and there is a fixed column hiding and showing the Summaries makes the table misaligned.
igGrid (ColumnFixing)	Bug Fix	Cannot scroll the fixed area on Internet Explorer under touch devices using finger swipe
igGrid (ColumnFixing)	Bug Fix	Horizontal scroll on iPad with ColumnFixing does not reach the last column
igGrid (ColumnFixing)		The hover style is not applied to the row selectors when column is fixed.
igGrid (ColumnFixing)	Bug Fix	When there is a fixed column, fixed virtualization is enabled and rows have different heights scrolling the grid changes the height of the scroll container.
igGrid (ColumnFixing)	Bug Fix	When calling commit API the fixed area shrinks.
igGrid (ColumnFixing)	Bug Fix	A JavaScript error "TypeError: \$fixedTable.find(...).offset(...) is null" is thrown when trying to fix a column in grid with empty data source
igGrid (ColumnFixing)	Bug Fix	Changing the grid width at runtime breaks the scrollbars of ColumnFixing
igGrid (ColumnFixing)	Bug Fix	When virtualization mode is "continuous" and you unfix column the records are scrolled to the top but the scrollbar is not updated.
igGrid (ColumnFixing)	Bug Fix	Column fixing workaround for known issue "Misalignment between fixed and unfixed part of the rows in IE9+" no longer works <b>Note:</b> A JavaScript error was thrown when fixing a column and option syncRowHeights is false.

igGrid (ColumnFixing)	Bug Fix	<p>JavaScript error is thrown if a column is fixed and invisible row is deleted</p> <p><b>Note:</b> Resolved an exception occurring when deleting a row out of view (in another page or filtered out) with Updating's API and there are fixed columns in the grid.</p>
igGrid (ColumnFixing)	Bug Fix	<p>When resize fixed column to minimum width in Internet Explorer there is a misalignment in last rows offset</p>
igGrid (ColumnFixing)	Bug Fix	<p>ColumnFixing should throw a JavaScript exception that it doesn't support igGrid.width set in %</p> <p><b>Note:</b> Using ColumnFixing when igGrid.width is set in % is not supported scenario and is described in the igGrid known issues document.</p>
igGrid (ColumnFixing)	Bug Fix	<p>Cannot unfix Multi-Column Header column when there is a hidden column in the group</p>
igGrid (ColumnFixing)	Bug Fix	<p>Multi-Column Header column cannot be initially fixed</p>
igGrid (ColumnFixing)	Bug Fix	<p>The igGrid.cellClick event is not triggered on the fixed table when there is an initially fixed column</p>
igGrid (ColumnHiding)	Bug Fix	<p>TypeError is thrown if all the columns are hidden from Hiding's columnSettings option.</p> <p><b>Note:</b> An exception is thrown describing that this is not supported scenario with the following message "It is not possible all grid columns to be hidden. Please set at least one of the columns to be shown.".</p>
igGrid (ColumnHiding)	Bug Fix	<p>After showing a hidden column in unfixed table - width of the table is not correct</p>
igGrid (ColumnMoving)	Bug Fix	<p>Automatic horizontal scrolling while dragging a column doesn't stop even after the column is dropped.</p> <p><b>Note:</b> Resolved an issue with ColumnMoving causing dropping headers to not always stop automatic horizontal scrolling invoked by hovering the header next to the edges of the grid.</p>

		Null reference exception when destroying grid and using deferred mode <b>Note:</b> Resolved an exception occurring when destroying the ColumnMoving widget when mode is set to "deferred".
igGrid (ColumnMoving)	Bug Fix	
igGrid (ColumnResizing)	Bug Fix	Resizing columns in a virtual grid positions the separation line offset to the left and above of the column border
igGrid (ColumnResizing)	Bug Fix	Resize line is not aligned correctly when virtualization is enabled
igGrid (ColumnResizing)	Bug Fix	Cannot resize initially hidden column after showing it and then moving it somewhere
igGrid (ColumnResizing)	Bug Fix	When virtualization is enabled resizing a column of a grid with 100% width expands the grid
igGrid (ColumnResizing)	Bug Fix	With rowVirtualization enabled, resizing a column that requires scrolling snaps the user back to the left of the scrollbar
igGrid (ColumnResizing)	Bug Fix	Type of the column width changes after calling the resize API method
		Uncaught TypeError is thrown when a hidden column is resized programmatically <b>Note:</b> Resizing is not allowed for hidden columns so if you try to resize invisible column (using resize API method passing the column key as an argument ) then an exception is thrown with the following message "It could not be found visible column with the specified key. You can resize only visible columns.".
igGrid (ColumnResizing)	Bug Fix	
igGrid (ColumnResizing)	Bug Fix	When user extends a column by dragging, other columns are shrunk and collapsed regardless of the minimumWidth setting.
igGrid (FeatureChooser)	Bug Fix	"Hide summaries" button is visible even when showSummariesButton option is set to false
		Incorrent Translations for the infragistics-de.js file <b>Note:</b> \$.ig.GridFiltering.locale.noFilterLabel was updated from "Nein" to "Kein".
igGrid (Filtering)	Bug Fix	
igGrid (Filtering)	Bug Fix	Horizontal scroll position is reset on igGrid after the filter editor is closed and reopened



		Filtering dialog's window will be smaller than the content and hide the buttons if filterDialogHeight is set smaller than the default (< 430px) <b>Note:</b>
igGrid (Filtering)	Breaking Change (API)	Removed the filterDialogMaxHeight option.
igGrid (Filtering)	Bug Fix	The filtering row does not have the proper styling when row selectors are enabled.
igGrid (Filtering)	Bug Fix	Condition drop down widget is missing when using Safari on iOS
		The date is not fully visible on the advanced filter dialog because the date picker is too narrow <b>Note:</b>
igGrid (Filtering)	Bug Fix	You can manage width of the filter dialog using option filterDialogWidth and width of the filtering expression width using option filterDialogExprInputDefaultWidth.
igGrid (Filtering)	Bug Fix	Uncaught TypeError is thrown when a right or left arrow key is entered into a filter cell.
		Filter dialog window changes its height as its width changes <b>Note:</b>
igGrid (Filtering)	Bug Fix	The bug was reproducible only if resizing dialog by changing its width (without changing the height).
igGrid (Filtering)	Bug Fix	Local filtering does not work as expected with date values when the date column's format contains "H"
		The rowsRendering event is not fired when there are grouped columns <b>Note:</b>
igGrid (GroupBy)	Bug Fix	Both rowsRendering and rowsRendered events are now triggered even if there are grouped columns
igGrid (GroupBy)	Bug Fix	Request error when a column is sorted and grouped at the same time
igGrid (GroupBy)	Bug Fix	The groupedColumnsChanging event is not fired when a column is grouped using the modal dialog
igGrid (GroupBy)	Bug Fix	The GroupBy dialog shows even when modalDialogOpening event is canceled

igGrid (GroupBy)	Bug Fix	Calling destroy API method throws errors <b>Note:</b> The error is "cannot call methods on draggable prior to initialization; attempted to call method 'destroy'".
igGrid (GroupBy)	Bug Fix	Dragging a grouped column to most left position is not possible
igGrid (jsRender)	Bug Fix	Uncaught TypeError exception is thrown in Chrome when jsRender is used <b>Note:</b> Resolved an issue when rendering templates in the grid with newer versions of jsRender.
igGrid (Paging)	Bug Fix	Changing page size with remote Paging does not persist remote Sorting and Filtering
igGrid (Paging)	Improvement	Uncaught TypeError is thrown when an invalid page index is assigned <b>Note:</b> Now an exception is thrown with the following message "Invalid page index - it should be greater than or equal to 0 and should be less than page count" if the page index is out of the valid range.
igGrid (Paging)	Bug Fix	When filtering is applied selected page is not persisted.
igGrid (Responsive)	Bug Fix	Responsive mode doesn't work initially with auto-generated columns
igGrid (Row Edit Template)	Bug Fix	Editing the newly added row with Row Edit Template causes the primary key value of this row to disappear, if showReadOnlyEditors: false and primaryKey is readOnly: true
igGrid (Row Edit Template)	Bug Fix	RowEditTemplate dialog is not shown after deleting the first row
igGrid (Row Edit Template)	Bug Fix	A JavaScript error is thrown when pressing Escape key twice to close RowEditTemplate dialog
igGrid (Row Edit Template)	Bug Fix	oldVals property of editRowEnding event is empty when editMode = "rowedittemplate" <b>Note:</b> Resolved an issue causing editRowEnding and editRowEnded event args to lack a properly generated oldValues property when Updating's edit mode is set to "rowedittemplate".

igGrid (Row Edit Template)	Bug Fix	<p>An igCombo provider appears for bool columns in the row editing template</p> <p><b>Note:</b> Resolved a regression causing the editor for boolean columns in the Row Edit Template dialog to render as an igCombo containing the true and false values instead of a checkbox even if checkbox rendering for boolean values is enabled in the grid configuration.</p>
igGrid (Row Edit Template)	Bug Fix	<p>Arrow keyboard navigation not working for a text editor in the row edit template when Selection is enabled</p> <p><b>Note:</b> Resolved an issue with grid dialogs not receiving key events when Selection is enabled.</p>
igGrid (RowSelectors)	Bug Fix	<p>Error with RowSelectors and ColumnFixing enabled</p> <p><b>Note:</b> A JavaScript error "TypeError: Cannot read property 'length' of undefined" was thrown when selecting and deselecting a row using the RowSelectors checkbox.</p>
igGrid (RowSelectors)	Bug Fix	<p>Cannot select a row with the same rowIndex on another page</p> <p><b>Note:</b> Resolved an issue with RowSelectors not able to select rows with the same index from other pages.</p>
igGrid (RowSelectors)	Bug Fix	<p>When RowSelectors are enabled, selecting rows or cells reduces the affected rows height</p> <p>Row selector and row hover styles are not the same when scrolling using the mouse wheel.</p> <p><b>Note:</b> Resolved an issue when RowSelectors row numbering is disabled in a virtual grid causing hovered style to remain on the last hovered row selector cell when scrolling the grid with the mouse wheel.</p>
igGrid (RowSelectors)	Bug Fix	<p>When Virtualization is enabled and you uncheck the header checkbox non-visible rows remain check/selected.</p> <p><b>Note:</b> Resolved an issue with RowSelectors header checkbox not deselecting all rows in virtual grids.</p>

igGrid (RowSelectors)	Bug Fix	<p>“Cannot read property length of undefined” type error is thrown after selecting a row and scrolling when Virtualization and Row Selectors are combined</p> <p><b>Note:</b> Resolved an issue with RowSelectors and Selection when elements are selected through the API during the grid's rendering routine.</p>
igGrid (RowSelectors)	Bug Fix	<p>Invalid behavior of RowSelectors persistence when navigating between pages</p> <p><b>Note:</b> Resolved an issue which would cause the header row selectors checkbox to incorrectly modify the persistence state of Selection when Paging is enabled.</p>
igGrid (RowSelectors)	Improvement	<p>Slow selection of all rows when using the RowSelectors and there are more than 250 records displayed at once.</p> <p><b>Note:</b> Increased performance of selecting all rows with the RowSelectors header checkbox.</p>
igGrid (RowSelectors)	Bug Fix	<p>RowSelector's selected checkbox's check mark is not updated</p> <p><b>Note:</b> Resolved an issue with RowSelectors checkboxes causing the checkbox for selected rows to not always get correctly checked between persistence states. Resolved an issue with RowSelectors incorrectly persisting only the first row of a page when there are fixed columns.</p>
igGrid (RowSelectors)	Bug Fix	<p>Pressing Spacebar key on a row (when RowSelectors are enabled) will apply the default behavior of the page (scrolling the page)</p>
igGrid (RowSelectors)	Bug Fix	<p>When changing page another row is selected</p> <p>RowSelector's header checkbox gets checked even all the rows' checkboxes are not checked</p> <p><b>Note:</b> Resolved an issue with the header checkbox for RowSelectors which would cause it to get checked incorrectly without all the rows in the current page being selected.</p>

igGrid (RowSelectors)	Bug Fix	<p>Rows in other pages are not selected using RowSelector's header checkbox</p> <p><b>Note:</b> Resolved an issue with header checkboxes replacing existing selection when Paging is enabled.</p>
igGrid (Selection)	Bug Fix	<p>When virtualization is enabled and row is selected after filtering the grid the row with the same index as the selected one is also selected.</p>
igGrid (Selection)	Bug Fix	<p>When virtualization is enabled deleting a row between two selected rows the selection is not updated and the wrong rows are selected.</p>
igGrid (Selection)	Bug Fix	<p>Rows cannot be selected/deselected using keyboard (Space/Enter) when enableCheckboxes is true</p>
igGrid (Selection)	Bug Fix	<p>When group by a column and unselect already selected cells and then ungroup the column selected cells are not the same.</p>
igGrid (Selection)	Bug Fix	<p>After calling dataBind and selecting another row, selection events are called several times</p>
igGrid (Selection)	Bug Fix	<p>Column templates containing elements with a class attribute do not re-apply styles correctly with persistence</p> <p><b>Note:</b> Resolved an issue with Selection persistence causing selected style to be applied to incorrect elements when a template is used.</p>
igGrid (Selection)	Bug Fix	<p>Shift navigation selection (Up/Down arrows) in a grid with grouped columns doesn't work properly</p>
igGrid (Selection)	Bug Fix	<p>In single cell selection can be selected multiple cells with Shift + Arrow keys</p>
igGrid (Selection)	Bug Fix	<p>When navigating the cell selection with arrow keys from fixed to unfixed area the selected cell goes to the next row in virtual grid.</p>
igGrid (Selection)	Bug Fix	<p>In Internet Explorer clicking the Paging header of the grid and using the arrow keys causes JavaScript error: "Unable to get property 'id' of undefined or null reference"</p> <p><b>Note:</b> Resolved an exception that would occur when clicking on the paging header and attempting to navigate with the arrow keys when Selection is enabled in Internet Explorer.</p>

igGrid (Selection)	Bug Fix	<p>Edit cell does not wrap around when Shift + Tab is kept pressed</p> <p><b>Note:</b> Resolved an issue causing wrapping to not apply when Shift + Tab is pressed from the first cell when there is another hidden cell before it.</p>
igGrid (Selection)	Bug Fix	<p>Uncaught TypeError is thrown at any cell operation after calling igGridSelection.selectRowById API on a grid with selection mode is "cell".</p> <p><b>Note:</b> API functions not native to the specified selection mode should no longer work and produce erroneous results.</p>
igGrid (Selection)	Bug Fix	<p>Selection adds borders to the cells which makes the text in some of the cells to span in two lines.</p>
igGrid (Selection)	Bug Fix	<p>When you unselect a cell with Ctrl+Click row selector loses its selected style even though there are other selected cells in the row.</p>
igGrid (Selection)	Bug Fix	<p>Selecting a cell with Space key scrolls the page.</p>
igGrid (Selection)	Bug Fix	<p>Selected cell is not highlighted once it gets hidden by the Hiding feature.</p> <p><b>Note:</b> When showing a column which had selection prior to hiding it the selected elements will be restored visually regardless of the value of the persist option. This is because persist only controls the feature's behavior between data view changes and not column collection ones.</p>
igGrid (Selection)	Bug Fix	<p>Error when selection mode is "row" and Left/Right keyboard keys are used</p>
igGrid (Selection)	Bug Fix	<p>The selectedCell method returns cell objects even if they are already removed from the grid.</p> <p><b>Note:</b> Resolved an issue with Selection not clearing cells and rows from the selected collection when their row is deleted with Updating.</p>

		A JavaScript error "s.currentSortDirection is undefined" is thrown when sorting a column after programmatically moving a column using the moveColumn method. <b>Note:</b> Resolved an issue with igGridSorting throwing an exception if the end user attempts to sort a column if a column is moved through the API before that.
igGrid (Sorting)	Bug Fix	
igGrid (Sorting)	Bug Fix	Setting renderInFeatureChooser to false for multiple Sorting still shows the button in the Feature Chooser
igGrid (Sorting)	Bug Fix	Sorting a column adds '#' to page's URL
igGrid (Sorting)	Bug Fix	If the first column is sorted and also grouped the sort style is applied to the group by rows as well
igGrid (Sorting)	Bug Fix	Memory leak when sorting a column in the grid
igGrid (Sorting)	Bug Fix	Sort indicator remains after sort is cleared by removing filter condition
igGrid (Sorting)	Bug Fix	Clicked header is highlighted even when the column is not allowed to sort by setting allowSorting option to false
igGrid (Summaries)	Bug Fix	Column custom format is ignored when the isGridFormatter and decimalDisplayed options are configured
igGrid (Summaries)	Bug Fix	Custom Summaries are not maintained after destroying and re-creating
		Summary calculations return values 100 times higher <b>Note:</b> A new option is exposed renderSummaryCellFunc. It is a reference or name to a JavaScript function - renders summary cell in grid footer (if not set it is used default render function). It takes 3 parameters - methodName (summary method), columnKey, data (summary data which should be rendered). Also if isGridFormatter option is true then numbers are formatted according to formatting applied in data grid cells. For numbers columnSettings.decimalDisplay option is taken. If not set, it is taken from option format in grid columns definition. If it is not set then it is taken from option defaultDecimalDisplay in Summaries
igGrid (Summaries)	Bug Fix	
igGrid (Summaries)	Bug Fix	Summary text is not visible in summary drop-downs when using Amelia bootstrap theme

igGrid (Tooltips)	Bug Fix	<p>Popover tooltip appears on the bottom of the cell only if the bottom part is hidden because of the grid's height.</p> <p><b>Note:</b> Tooltip appeared with a gap below the grid, because the height of the row is taller than the grid height.</p>
igGrid (Tooltips)	Improvement	<p>When column width is too small (e.g. 20px) then the tooltip width is too small too</p> <p><b>Note:</b> Added an option to the Tooltips' column settings named 'maxWidth' which allows the user to specify max width for the tooltip when showing for the that column. It can be used to improve tooltip layout when the grid has columns with very small widths.</p>
igGrid (Unbound Column)	Bug Fix	<p>Databinding a grid with an unbound column holding an input element creates a memory leak</p>
igGrid (Updating)	Bug Fix	<p>When the startEdit method is used to start editing a cell in a particular column, a strange flashing appears, changing the focus between the first and the selected cell</p> <p><b>Note:</b> Resolved an issue with startEdit Updating's API setting focus to each cell in a row successively before finally setting focus to the cell startEdit was requested for when edit mode is row, producing a blinking effect.</p>
igGrid (Updating)	Bug Fix	<p>Editor values are empty when editing a newly added row, the primaryKey field is a string, and the primaryKey column is hidden</p> <p><b>Note:</b> Resolved an issue with generated primary keys when the primary key column is of type string.</p>
igGrid (Updating)	Bug Fix	<p>Calling 'destroy' causes JavaScript error when grid has ColumnFixing, Updating, Selection and RowSelectors</p> <p><b>Note:</b> A JavaScript error "TypeError: Cannot read property '_syncContainerHeights' of undefined" was thrown.</p>



igGrid (Updating)	Improvement	<p>Row deleting UI is not user friendly in Internet Explorer on touch devices</p> <p><b>Note:</b> Improved touch support for devices running Internet Explorer. It should now very closely match the behavior on Android and iOS ones.</p>
igGrid (Updating)	Bug Fix	<p>When there are 2 deleted rows (one after another) and in edit mode tries to move through them a JavaScript error is thrown</p>
igGrid (Updating)	Bug Fix	<p>Shift + Tab does not move focus to the previous cell when horizontalMoveOnEnter is true</p> <p><b>Note:</b> Added the ability to navigate backwards using Shift + Enter both horizontally (horizontalMoveOnEnter = true) and vertically (horizontalMoveOnEnter = false) in cell updating. Resolved an issue causing Shift + Tab to not work properly when horizontalMoveOnEnter = true.</p>
igGrid (Updating)	Improvement	<p>When the column header is clicked while in edit mode, the parameter "ui.value" in the editRowEnding event is empty.</p> <p><b>Note:</b> When the grid is in edit mode clicking inside the boundaries of its container will accept the changes as long as auto committing is enabled. This is a change from the previous behavior which accepted changes only if the click was inside the tbody. The current behavior remains for cases in which auto committing is disabled.</p>
igGrid (Updating)	Bug Fix	<p>The Done button remains inactive after editing a row when editCellStarting is canceled for the primaryKey column of that row.</p> <p><b>Note:</b> Implemented automatic value resetting for editors used by igGridUpdating when start edit is cancelled. This makes certain that start edit depending on conditions doesn't create false positives when editor validation is requested.</p>
igGrid (Updating)	Bug Fix	<p>Pressing Enter key won't enter update mode after navigating with keyboard between rows</p>

igGrid (Updating)	Improvement	<p>Validation does not trigger for required cell in "Add New Row" when value is set through the API and "Done" button remains inactive.</p> <p><b>Note:</b> Enabled automatic validation when editing with igGridUpdating and the value of an editor is changed with through its API.</p>
igGrid (Updating)	Bug Fix	<p>Editing a row with cell selection enabled and databinding causes a memory leak</p> <p><b>Note:</b> Resolved a memory leak in igGridUpdating happening during continuous editing and data binding.</p>
igGrid (Updating)	Bug Fix	<p>Uncaught Error is thrown when updateRow method is called on a row which has an edit mode checkbox cell</p> <p><b>Note:</b> Improved the setCellValue and updateRow method in combination with active editing to no longer cause incorrect updates and/or throw exceptions.</p>
igGrid (Updating)	Bug Fix	<p>JavaScript error is thrown when a column is hidden after a row containing a cell in edit mode is deleted.</p> <p><b>Note:</b> Added detection for checkbox editing in the deleteRow API so that the function can properly end edit and prevent the editor from being destroyed on subsequent actions.</p>
igGrid (Updating)	Bug Fix	<p>Horizontal scrollbar appears when checking a checkbox on a cell of a column which format is "checkbox".</p> <p><b>Note:</b> Resolved an issue when editing a boolean column with format "checkbox" when the cell being edited is also selected causing the editor to exceed the width of the cell forcing a horizontal scrollbar to appear.</p>
igGrid (Updating)	Bug Fix	<p>When a cell is clicked an error occurs if Updating, Selection and ColumnFixing are enabled and columns are fixed.</p>

igGrid (Updating)	Bug Fix	<p>Delete button appears on touch device display even when enableDeleteRow option is set to false</p> <p><b>Note:</b> Resolved an issue preventing enableDeleteRow option from function on touch devices when edit mode is cell.</p>
igGrid (Updating)	Improvement	<p>New row is not added when you click another cell while a cell in Add New Row is in edit mode.</p> <p><b>Note:</b> When adding a new row with igGridUpdating the operation is now accepted if the end-user clicks inside the grid in addition to the existing interaction of pressing the Enter key.</p>
igGrid (Updating)	Improvement	<p>Validation events errorShowing, errorShown, errorHidden are overwritten</p> <p><b>Note:</b> Event handlers specified in the editor options for the errorShowing, errorShown and errorHidden validator events will no longer be overwritten by Updating when creating its editors internally.</p>
igGrid (Updating)	Bug Fix	<p>In Chrome the grid is not scrolled to the last column when you hit Tab key in cell edit mode.</p>
igGrid (Updating)	Improvement	<p>Use changedTouches to detect pageX on touch end to avoid relying on unresponsive touch move event for showing the delete row</p> <p><b>Note:</b> Improved Updating's touch support when swiping a row to show the delete button. The end user will no longer need to do it slowly for the swipe to be detected.</p>
igGrid (Updating)	Bug Fix	<p>Tab keyboard navigation does not skip a read only cell properly.</p> <p><b>Note:</b> Resolved a regression causing tab navigation with Updating to not pick the next cell correctly when there are read only columns.</p>
igGrid (Updating)	Bug Fix	<p>Hitting the Tab key does not move cell focus to all cells and Shift + Tab moves focus outside of the control</p>

igGrid (Updating)	Bug Fix	Delete row icon doesn't appear in Microsoft Surface <b>Note:</b> Reverted an unstable Microsoft Surface detection from Updating's touch support. MS Surface will once again show the desktop specific UI with deleting a row requiring a tap, swipe to the delete icon shown and releasing on top of it.
igGrid (Updating)	Bug Fix	The rowDeleting event is firing twice when using Delete keyboard button to delete a row <b>Note:</b> Fixed a regression in Selection's API returning non-null results for functions applicable only with multiple selection enabled when multiple selection is disabled causing Updating to handle certain key events (such as deleting a row) twice.
igGrid (Virtualization)	Bug Fix	When there is a small number of records in the grid with Virtualization enabled the rows display at an incorrect height.
igGrid (Virtualization)	Bug Fix	A JavaScript error is thrown when simple filtering and continuous virtualization are enabled <b>Note:</b> The error was removed in order for simple filtering to work with continuous virtualization.
igGrid (Virtualization)	Bug Fix	Using arrow keys to scroll when virtualization is enabled doesn't work with Chrome or Firefox
igGrid (Virtualization)	Bug Fix	Wrong selected row after selecting row and then sorting a column when Virtualization is enabled
igGrid (Virtualization)	Bug Fix	First click on the scroll bar area does not change the view in Google Chrome when continuous virtualization is enabled
igGrid (Virtualization)	Bug Fix	When the width of the grid with column virtualization is big enough so there is no horizontal scrollbar hiding a column causes a misalignment in Firefox
igGrid (Virtualization)	Bug Fix	Row height increases to fill the empty space if summarized row is displayed and virtualizationMode is set to "continuous".
igGrid (Virtualization)	Bug Fix	Width=100% setting is ignored for grid headers if virtualization is on.
igGrid (Virtualization)	Bug Fix	When virtualization is enabled and Summaries are shown and rows total height is less than the viewport data rows are extended to fit the remaining height

		In Chrome and Firefox, with row virtualization and Selection enabled, scrolling to the right and then mousing down on the grid causes the headers to snap back to the left <b>Note:</b> Resolved an issue with virtualization and Selection in which selecting a row could cause header and data cells to misalign.
igGrid (Virtualization)	Bug Fix	
igHierarchicalGrid	Bug Fix	A JavaScript error "Member not found." is thrown in Internet Explorer 7/8 when a row is expanded in the hierarchical grid
igHierarchicalGrid	Bug Fix	Setting showHeader to false hides the whole child band instead of hiding the header
igHierarchicalGrid	Bug Fix	When continuous virtualization is enabled and all levels are expanded cannot scroll to the bottom
igHierarchicalGrid	Bug Fix	igHierarchicalGrid.expand API is not expanding a row if it has a duplicated data-id attribute
igHierarchicalGrid	Bug Fix	When continuous virtualization is enabled and expandCollapseAnimations is false and all levels are expanded cannot scroll to the bottom
igHierarchicalGrid (GroupBy)	Bug Fix	When grouping a column in a hierarchical grid the child grids are lost if their responseDataKey doesn't match the responseDataKey of the parent grid
igHierarchicalGrid (GroupBy)	Bug Fix	When Grouping in the hierarchical grid, rowsRendered event is fired before rowsRendering event
igHierarchicalGrid (Paging)	Bug Fix	Paging does not persist the state of the child grids in hierarchical grid
		Row selector checkbox is not checked when rows are programmatically selected after paging <b>Note:</b> Added the following APIs: selectCellById/deselectCellById and selectRowById/deselectRowById working by row IDs and column keys which also enables selecting elements in other pages when Paging is enabled. This selection will persist normally when persist is set to true.
igHierarchicalGrid (RowSelectors)	New Functionality	
igHierarchicalGrid (Selection)	Bug Fix	Selection throws an error when trying to navigate inside a child grid with skipChildren: false option

		AddNewRow is not available on an empty parent unless enableAddRow is explicitly set to true for the columnLayout
		<b>Note:</b> Resolved an issue with igHierarchicalGrid and igGridUpdating which would cause certain combinations of Updating option definitions to not correctly determine if an expansion button should be added for a parent row (based on the presence of add new row functionality for the children and the size of their data source).
igHierarchicalGrid (Updating)	Bug Fix	
igHtmlEditor	Bug Fix	New lines are not deleted by single pressing backspace in Internet Explorer 10
igHtmlEditor	Bug Fix	Editor doesn't allow typing in the input field on page initial load
igHtmlEditor	Bug Fix	Combos height is inconsistent with other toolbar elements
igHtmlEditor	Bug Fix	When selecting several text formatting options after some typing applies only the last selected option
igHtmlEditor	Bug Fix	Toolbar buttons and combos don't reflect changes before you start typing in the editor. <b>Note:</b> Related to this bug is that known issues will be updated with: "In Internet Explorer only one style can be changed at a time."
igHtmlEditor	Bug Fix	When changing font family and font size the new values are not applied on the typed text in Ineternet Explorer and Firefox
igHtmlEditor	Bug Fix	Text toolbars are not aligned when bootstrap theme is applied
igHtmlEditor	Bug Fix	igHtmlEditor does not respect container size after its styling contains 'display: none'
igHtmlEditor	Bug Fix	Font-size dropdown does not change when the heading dropdown is changed.
igHtmlEditor	Bug Fix	Image not found when running the HTML Editor with the iOS theme
igHtmlEditor	Bug Fix	When html editor is loaded the selected font size should be 12pt
igHtmlEditor	Bug Fix	Align button is not selected in Internet Explorer when click to enter text text
igHtmlEditor	Bug Fix	When toolbarSettings, selectedFontFamily and selectedFontSize are set they are being ignored
igHtmlEditor	Bug Fix	When selecting text and applying text formatting in Internet Explorer selection gets lost
igHtmlEditor	Bug Fix	Only one style can be selected in Internet Explorer

igListView	Bug Fix	<p>"\$.mobile.showPageLoadingMsg() not supported" exception when using mobile list view with load on demand and jQuery Mobile 1.4.4</p> <p><b>Note:</b> Replaced deprecated methods.</p>
igListView	Bug Fix	Sorting is not cleared after applying a sorting preset and then returning to the Default preset.
igListView	Bug Fix	When destroying the igListViewFiltering feature both the filtering and sorting presets are removed.
igListView	Bug Fix	Filtering is incorrect when expandable dividers are used in the list view.
igListView	Bug Fix	When collapsible dividers are used and the Sorting feature is destroyed the whole list view gets destroyed.
igPivotGrid	Bug Fix	Sorting by date columns and rows does not work
igPopover	Bug Fix	If igGrid is scrolled on the right the popover tooltip is misaligned and the arrow is not positioned correctly
igPopover	Bug Fix	Tooltips are always showing at the bottom when their style is popover
igPopover	Bug Fix	<p>Hovering a few times over a target cuts off the animation of the popover</p> <p><b>Note:</b> Restricting the popover to continue to show and hide, if the interactions are done faster than the animations.</p>
igRating	Bug Fix	igRating options: focusable, swapDirection and vertical cannot be set at runtime, but didn't throw exception
igRating	Bug Fix	Rating with direction right-to-left throws an error on hover with jQuery>=1.9
igSplitButton	Bug Fix	Option defaultItemName cannot be changed at runtime (after the split button is created)
igSplitter	Bug Fix	When changing zoom level between 110% and 150%, the text in the right panel disappears in most browsers
igSplitter	Bug Fix	In vertical splitter when width is in percents the left panel is not visible
igSplitter	Bug Fix	In Internet Explorer 8 when the width is in percents in the vertical layout the left panel is not previewed

		Splitter unable to slide over an IFRAME and resize content area <b>Note:</b> Enable dragging over IFRAMEs in the panels. This fix is only for latest browsers. It won't be fixed for Internet Explorer 8, 9 and 10.
igSplitter	Bug Fix	
igSplitter	Bug Fix	Right panel hides element on zooming to 110% in Chrome
igTileManager	Bug Fix	Maximum callstack exceeded exception in Chrome
igTileManager	Bug Fix	The items option should return the current array of items
igTileManager	Bug Fix	In Internet Explorer 8 when maximizing a tile the igTileManager does not look correct
igTileManager	Bug Fix	When setting the cols option, the control UI does not look correct
igTileManager	Bug Fix	Event tileMaximized is not fired
igToolbar	Bug Fix	Options height, width and isExpanded cannot be changed after the toolbar is created
igToolbar	Bug Fix	When set width and collapse and then expand the width is changed
igToolbar	Bug Fix	The expanding event cannot be canceled
igToolbar	Bug Fix	When the collapsing event is canceled the toolbar is not collapsed but the image is changed
igToolbar	Bug Fix	Method activateItem returns an error
igToolbar	Bug Fix	Method removeItem removes all items
igToolbar	Bug Fix	Method destroy removes the toolbar container
igToolbarButton	Bug Fix	When set option isSelected to true the button is not selected



Dropping a node on its parent removes the node

**Note:**

In the case of a tree with primary keys the attempts to drop a node on its parent are no longer allowed by the UI. The reason for this is the following:

The tree performs add node and remove node when drag and drop is performed - the node being dragged and dropped is first being added to its new place in the tree and then removed from the old one. When the node is added to its parent a path is constructed for it and in the case of primary keys this path is constructed from primary key values and is guaranteed to be unique only if the primary keys are unique which should be the case. However this node already exists with the same path in the tree because it's basically the same node and it's not removed yet from its old position. What happens then is the tree removes the old node by its path. So after adding the dropped node to its parent we have two nodes with the same path and both are removed. Now you no longer can drop on a node's parent when primary keys are present, because in all cases the operation creates duplicate paths and the experienced behavior is that the node disappears.

igTree	Bug Fix	
igTree	Bug Fix	Drag and drop fails when a node is dropped on an item with unfetched items (load on demand mode)
igTreeGrid	Bug Fix	Option initialExpandDepth is not expanding all layouts when its value is -1
igTreeGrid	Bug Fix	When there are auto-generated columns the tree grid does not bind to records after the first level
igTreeGrid	Bug Fix	JavaScript error is thrown and tree grid is not rendered when autoGenerateColumns: false and no columns are defined
igTreeGrid	Bug Fix	Destroying and re-creating the tree grid causes more indentation for the value in the first cell
igTreeGrid (ColumnFixing)	Bug Fix	Calling dataBind does not work for the tree grid when the columns are auto-generated and ColumnFixing is enabled
igTreeGrid (Paging)	Bug Fix	igTreeGrid shows more pages than it actually has

igCombo holds references to data and selected data

Note:

With the new changes in the igCombo extension, now igCombo holds reference to the data that the igCombo control is bound to. This was not valid before, because the knockoutJS extension was unwrapping the observable data source, and if a change occurred, then the entire data source was rebounded. This is improved now and the knockoutJS extension is passing the data source as a reference to the igCombo control. In a similar manner it also holds reference to the array if the igCombo with the selected items data, one or more depending on the selection type.

Now the igCombo serve as an observer for observable collections. All ViewModel properties that are defined as observables or have observable values, are preserved by the combo in this state. This allows the following functionalities:

1. Access and change data items through combo API and get their reference – see the editDataSource method in the ViewModel.
2. Access and change selected items through combo API and get their reference – see the editSelectedItem method in the ViewModel.
3. Access data items through combo events arguments and get their reference. See the 'selectionChanging' and 'selectionChanged' events

For more information follow the Infragistics Blog (<http://www.infragistics.com/community/blogs/>).

KnockoutJS (igCombo) Improvement

When binding to KnockoutJS observable the formatter would receive only the value accessor and not the whole record making some scenarios unachievable

**Note:**

Resolved an issue with the KnockoutJS integration that would cause updates coming from the observable to not pass the record parameter to formatter functions formatting the cells.

KnockoutJS (igGrid) Bug Fix

In KnockoutJS v3.2.0 removing an item notifies the collection it belonged to as well as the item itself which doesn't exist at this point, resulting in an exception

KnockoutJS (igTree) Bug Fix

Mobile Styling	Bug Fix	Rage slider's begin and end buttons are not visible in the new iOS theme
MVC Wrappers (Chart)	Bug Fix	A category axis's UseClusteringMode property is not available from the MVC wrapper <b>Note:</b> UseClusteringMode is now available as a category axis setting from the MVC wrapper.
MVC Wrappers (Editor)	Bug Fix	Cannot input Japanese character from iPad when both MVC and igLoader are used
MVC Wrappers (FileUpload)	Bug Fix	Dragging and Dropping a file into the drop area doesn't add the file to the upload list.
MVC Wrappers (Grid)	Bug Fix	Grid height becomes larger than the height property when a column is hidden in Razor
MVC Wrappers (Grid)	Bug Fix	In MVC wrapper there is no option for the grid framework option responseType <b>Note:</b> ResponseType is now available in the MVC wrapper.
MVC Wrappers (Grid)	Bug Fix	Grid height becomes larger than the height property when a column is hidden in Razor
MVC Wrappers (Grid)	Bug Fix	SkipChildren option of Selection is not available via the MVC wrapper.
N/A	Bug Fix	\$.ig.formatter doesn't work with escaped characters for date formatting
N/A	Bug Fix	Button titles are cut on mobile devices
N/A	Bug Fix	With jQuery UI 1.11.x destroy leaves the { widgetName: widgetInstance } pairs intact on the elements. <b>Note:</b> The result was that the widget could not be re-created on the same placeholder, because a JavaScript exception was thrown.
Styling	Bug Fix	jQuery UI Spinner with the new iOS theme is missing the up arrow
TypeScript support	Improvement	The igniteui.d.ts file is not compiling <b>Note:</b> 1. Compile errors are fixed 2. Event ui parameters now have options 3. The IgDataChart interface width and height options are now of type "any" 4. The IgTileManager.items property is changed from type "string" to type "any"

