dxDateBox Documentation

### Overview:  
The dxDateBox is a DevExtreme UI component for selecting and interacting with dates and times. It supports a wide range of configuration options and features, such as value formatting, input masks, and event handling. This component is commonly used in forms and date picker scenarios in web applications.

# Methods

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| Method | Description |
| beginUpdate() | Prevents the UI component from refreshing until the endUpdate() method is called. |
| blur() | Removes focus from the input element. |
| close() | Closes the drop-down editor. |
| content() | Gets the popup window's content. |
| defaultOptions(rule) | Specifies the device-dependent default configuration properties for this component. |
| dispose() | Disposes of all the resources allocated to the DateBox instance. |
| element() | Gets the root UI component element. |
| endUpdate() | Refreshes the UI component after a call of the beginUpdate() method. |
| field() | Gets the UI component's <input> element. |
| focus() | Sets focus to the input element representing the UI component. |
| getButton(name) | Gets an instance of a custom action button. |
| getInstance(element) | Gets the instance of a UI component found using its DOM node. |
| instance() | Gets the UI component's instance. Use it to access other methods of the UI component. |
| off(eventName) | Detaches all event handlers from a single event. |
| on(eventName, eventHandler) | Subscribes to an event. |
| open() | Opens the drop-down editor. |
| option() | Gets all UI component properties. |
| option(optionName) | Gets the value of a single property. |
| option(optionName, optionValue) | Updates the value of a single property. |
| option(options) | Updates the values of several properties. |
| registerKeyHandler(key, handler) | Registers a handler to be executed when a user presses a specific key. |
| repaint() | Repaints the UI component without reloading data. |
| reset() | Resets the value property to the default value. |
| resetOption(optionName) | Resets a property to its default value. |

# Options

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| Option | Description |
| acceptCustomValue | Specifies whether or not the UI component allows an end-user to enter a custom value. |
| accessKey | Specifies the shortcut key that sets focus on the UI component. |
| activeStateEnabled | Specifies whether the UI component changes its state as a result of user interaction. |
| adaptivityEnabled | Specifies whether or not adaptive UI component rendering is enabled on a small screen. |
| applyButtonText | The text displayed on the Apply button. |
| applyValueMode | Specifies the way an end-user applies the selected value. |
| buttons | Allows you to add custom buttons to the input text field. |
| calendarOptions | Configures the calendar's value picker. Applies only if the pickerType is 'calendar'. |
| cancelButtonText | The text displayed on the Cancel button. |
| dateOutOfRangeMessage | Specifies the message displayed if the specified date is later than the max value or earlier than the min value. |
| dateSerializationFormat | Specifies the date-time value serialization format. Use it only if you do not specify the value at design time. |
| deferRendering | Specifies whether to render the drop-down field's content when it is displayed. If false, the content is rendered immediately. |
| disabled | Specifies whether the UI component responds to user interaction. |
| disabledDates | Specifies dates that users cannot select. Applies only if pickerType is 'calendar'. |
| displayFormat | Specifies the date display format. Ignored if the pickerType property is 'native'. |
| dropDownButtonComponent | An alias for the dropDownButtonTemplate property specified in React. Accepts a custom component. |
| dropDownButtonRender | An alias for the dropDownButtonTemplate property specified in React. Accepts a rendering function. |
| dropDownButtonTemplate | Specifies a custom template for the drop-down button. |
| dropDownOptions | Configures the drop-down field which holds the content. |
| elementAttr | Specifies the global attributes to be attached to the UI component's container element. |
| focusStateEnabled | Specifies whether the UI component can be focused using keyboard navigation. |
| height | Specifies the UI component's height. |
| hint | Specifies text for a hint that appears when a user pauses on the UI component. |
| hoverStateEnabled | Specifies whether the UI component changes its state when a user pauses on it. |
| inputAttr | Specifies the attributes to be passed on to the underlying HTML element. |
| interval | Specifies the interval between neighboring values in the popup list in minutes. |
| invalidDateMessage | Specifies the message displayed if the typed value is not a valid date or time. |
| isValid | Specifies or indicates whether the editor's value is valid. |
| max | The last date that can be selected within the UI component. |
| maxLength | Specifies the maximum number of characters you can enter into the textbox. |
| min | The minimum date that can be selected within the UI component. |
| name | The value to be assigned to the name attribute of the underlying HTML element. |
| onChange | A function that is executed when the UI component loses focus after the text field's content was changed using the keyboard. |
| onClosed | A function that is executed once the drop-down editor is closed. |
| onContentReady | A function that is executed when the UI component's content is ready and each time the content is changed. |
| onCopy | A function that is executed when the UI component's input has been copied. |
| onCut | A function that is executed when the UI component's input has been cut. |
| onDisposing | A function that is executed before the UI component is disposed of. |
| onEnterKey | A function that is executed when the Enter key has been pressed while the UI component is focused. |
| onFocusIn | A function that is executed when the UI component gets focus. |
| onFocusOut | A function that is executed when the UI component loses focus. |
| onInitialized | A function used in JavaScript frameworks to save the UI component instance. |
| onInput | A function that is executed each time the UI component's input is changed while the UI component is focused. |
| onKeyDown | A function that is executed when a user is pressing a key on the keyboard. |
| onKeyUp | A function that is executed when a user releases a key on the keyboard. |
| onOpened | A function that is executed once the drop-down editor is opened. |
| onOptionChanged | A function that is executed after a UI component property is changed. |
| onPaste | A function that is executed when the UI component's input has been pasted. |
| onValueChanged | A function that is executed after the value has been changed. |
| readOnly | Specifies whether the UI component is read-only. |
| rtlEnabled | Specifies whether the UI component supports right-to-left (RTL) orientation. |
| showClearButton | Specifies whether or not to show the clear button. |
| showPopupButton | Specifies whether to display the popup button next to the input element. |

# Events

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| Event | Description |
| onChange | Fires when the value of the dxDateBox changes. |
| onOpened | Fires when the drop-down editor is opened. |
| onClosed | Fires when the drop-down editor is closed. |
| onFocusIn | Fires when the input element gets focus. |
| onFocusOut | Fires when the input element loses focus. |
| onValueChanged | Fires when the value of the UI component changes. |
| onKeyDown | Fires when a user presses a key. |
| onKeyUp | Fires when a user releases a key. |