

SCB Full Calendar with Event Scheduling

Function : `scbFullCalendarSchedulerField()`

The Full calendar Scheduler component can be used on Appian Screens for Applications where we want to schedule events. This uses a premium functionality of the `fullcalendar.io`.

We have the unassigned events with a title filter, we can drag and drop it into the calendar against a particular resource. It has different views (day/week /month).

This function helps us to assign, reschedule existing events on a calendar format. This gives the developer control whether the events can be edited or not, also whether to show the unassigned events or not .

To view the detailed information on any event we can click on the particular event, which pops-up with all the information.

Name	Keyword	Type	Description
Label	label	Text	Text to display as the field label.
Label Position	labelPosition	Text	Determines where the label appears. Valid values: "ABOVE" (default), "ADJACENT", "JUSTIFIED", "COLLAPSED".
Instructions	instructions	Text	Text to display as the field instruction.

Events	events	List of Dictionary	<p>Each event confirms to this following example</p> <pre> { id: 1, title: "Meeting with Daisy", start: "2021-07-30T08:30:00", end: "2021-07-30T10:30:00", backgroundColor:"#ff0000", textColor : "#ffffff", editable: true,(it overrides the <i>isEditable</i> attribute ie. it has the higher priority) resourceEditable: true, extendedProps:{ field_1 :{ text: "Description", icon : "fa fa-user", icon_color : "#ff0000", icon_tooltip: "User" } field_2: "London", field_3: "Sales Engineer", field_2_icon: "fa fa-map", field_3_icon: "fa fa-adjust", field_2_icon_color: "#00ff00", field_3_icon_color: "#0000ff", field_2_icon_tooltip: "Map", field_3_icon_tooltip: "Adjust" limit:{ start: "2021-07-28T08:30:00", end: "2021-08-03T10:30:00", } isAssigned:false() // Start and end is not required if false. }}. </pre>
unassigned EventHeader	unassignedEventHeader	Text	Provide Unassigned Events Header Default:Unassigned Jobs
Unassigned Event Info Icon	unassignedEventInfoIcon	Dictionary	Provide the value for show and title for the info icon in unassigned events. Default: {show : true, title:"Drag back the events from the

			calendar to unassign the task"}
Hidden Days	hiddenDays	Integer List	Provide the days of the week that should be hidden. Example : {0,6} (0-Sunday,6-Saturday)
Holidays	holidays	Dictionary	Provide the dates that are considered as holidays that will be highlighted in a specific color. Example : {dates : {"2022-02-23", "2022-02-25"}, highlightColor:"grey"}
Is Event Droppable	isEventDroppable	Boolean	Provide true to make the events droppable in the calendar. Default: true
resourceHeader	resourceHeader	Text	Provide the title for the Resource column in calendar Default : Resources
Resource Area Columns	resourceAreaColumns	List of Dictionary	{ {field : "title", headerContent : "Vuramites"}, {field: "team", headerContent: "Team Name"} }. Note: If you configure this field, you should not configure the <i>resourceHeader</i> . Otherwise it will appear as a separate header.
resources	resources	List of Dictionary	Each Resource conforms to this example { id: 2, title: "Alexander David", eventColor:"GREEN" }
InitialDate	initialDate	Text	Provide the start date of the calendar.If the business logic warrants the reload of the inputs of the component, use this field along with onCurrentViewChange attribute to provide a seamless experience to the user.Whenever this value changes it will update the calendar view. Eg.2021-06-01. Defaults to today.

Business Hours	businessHours	dictionary	Emphasizes certain time slots on the calendar. Provide null or empty string to disable the business hours. Example: { daysOfWeek:{1,2,3,4}, /*Mon-Thu*/ startTime:"10:00",endTime:"18:00" /*10 AM - 6 PM*/ }
Height in pixels	heightpx	Number (Integer)	Value to set the custom height for component.This will be used only if height is AUTO.(Maximum:840 and Minimum:280)
IsEditable	isEditable	Boolean	Determines if the user should be allowed to edit the events or not. Valid Values : True or False Default: true
enableEventAssignment	enableEventAssignment	Boolean	Provide false to disable the Unassigned Event section Default:False
EnableNowIndicator	enableNowIndicator	Boolean	Determines if the now indicator should be shown or not. Valid Values : True or False Default: false
Display Event Time	displayEventTime	Boolean	Determines whether to show time on the event or not. Default: false.
Resource Area Width	resourceAreaWidth	Text	Determines the width of the resource column.Valid values : SMALL,NORMAL,WIDE. Default : NORMAL

Show Unassigned Event Search Bar	showUnassignedEventSearchBar	Boolean	Provide true to show the search bar in unassigned events. Default : false.
Allow Event Overlap	allowEventOverlap	Boolean	Provide true to enable the event overlap on same resource. Default false.
Resource Order	resourceOrder	Text	Based on this value the resources display order will be determined. Provide the field names in resources for ascending and with a prefix as -fieldName for descending.Default id, title.
Timezone	timezone	Text	Specifies the timezone of the calendar. Default: local.
Theme	theme	Text	Determines the theme of the Calendar. Accepted values are "GREEN", "ROSE", "ORANGE", "VIOLET", "BLUE", and valid 6 digit hex code. Defaults to Accent color of the site
OnCurrentViewChange	onCurrentViewChange	List of Save	Triggers when user changes the current view of the calendar. , sample output : {start: "2021-08-01T00:00:00+05:30", end: "2021-09-12T00:00:00+05:30"}
On Event Edited	onEventEdited	List of Save	Triggers when event is edited
On Event Dropped	onEventDropped	List of Save	Triggers when an event is dropped
On Unassigned Event Clicked	onUnassignedEventClicked	List of Save	Triggers when the unassigned event is clicked

On Event Deleted	onEventDeleted	List of Save	Triggers when the event is deleted
On Event Selected	onEventSelected	List of Save	Triggers when the event is selected
licenseKey	licenseKey	Text	Provide the License Key of Full Calendar. To buy a license visit, https://fullcalendar.io/pricing .

Notes:

- Supported Browsers - Google Chrome, Mozilla Firefox, Edge.
- Supported Language - English (United States).
- Best viewed in Medium, Tall, Auto (Heights)
- Not a good fit for mobile devices

Usage

1. *Download the application package*
2. *Import the Application*
3. *To have end user experience visit the Scheduler tab in full-calendar-demo site*
4. *For developer code use the FC_fullCalendarDemoScheduler sample interface*
5. *For free trial or in order to hide the license warning, use “CC-Attribution-NonCommercial-NoDerivatives” as key.*

Full Calendar Scheduler

Resources: Tin Cook, Alexander David, Armstrong B T, Arno

Business days: Monday, Tuesday, Wednesday, Thursday, Friday

Editable? Yes No

Feb 21 - May 13, 2022

Resources	Feb 21	Feb 28	Mar 7	Mar 14	Mar 21
Vuramites					
Abreu					
Alexander David					
Alexander Miller					
Annear T					
Arjun Narayanan		Leave			Leave
Armstrong B T					
Arnott G P			Leave		

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313
314
315 scbFullCalendarSchedulerField({
316   height: "AUTO",
317   events: local!allEvents,
318   unassignedEventHeader: "Unassigned Events",
319   timezone:"Australia/Perth",
320
321   resourceHeader: "Vuramites",
322   resources: local!resourcesForCalendar,
323   resourceOrder: "title",
324   hiddenDays: { 0, 6 },
325   holidays: {
326     dates: { "2022-02-23", "2022-03-07" },
327     highlightColor: "lightblue"
328   },
329   initialDate: "2022-02-22",
330   isEditable: true,
331   enableEventAssignment: false(),
332   enableNowIndicator: true,
333   heightpx:500,
334   showUnassignedEventSearchBar:false(),
335   unassignedEventInfoIcon:{
336     show:false,
337     title:"example"
338   },
339 }

```

scbFullCalendarSchedulerField(label, labelPosition, instructions, helpTooltip, required, disabled, validations, height, showWhen, events, unassignedEventHeader, timezone, resourceHeader, resourceAreaColumns, resources, resourceOrder, resourceAreaWidth, hiddenDays, holidays, initialDate, isEditable, enableEventAssignment, enableNowIndicator, heightpx, allowEventOverlap, showUnassignedEventSearchBar, unassignedEventInfoIcon, isEventDropable, displayEventTime, businessHours, theme, onCurrentViewChange, onEventEdited, onEventDeleted, onEventDropped, onUnassignedEventClicked, onEventSelected, licenseKey)

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