# Locale Date Picker Component

The Locale Date Picker component is a customizable calendar interface that allows users to select dates in various formats. It adapts to different locales, ensuring the date format aligns with regional standards.

## Functional Detail

### 1. Date Picker Initialization and Configuration

- **Locale and Format Configuration**: The date picker supports multiple locales (`fr-FR`, `en-US`, `en-GB`) with corresponding date formats and placeholders.
- **Default Date**: The date picker can initialize with a pre-selected date.
- **Read-Only Mode**: The date picker can switch to a read-only mode where it displays the date in a non-editable format.

### 2. User Interaction and UI Features

- **Icon Click to Open Calendar**: Clicking on the date picker icon opens the calendar.
- **Document Click to Close Calendar**: Clicking outside the date picker closes the calendar.
- **Inline Calendar Display**: The calendar is displayed in-line with the input field.
- **Custom Input Placeholder**: The input field displays a placeholder based on the selected locale.

### 3. Date Selection and Formatting

- **Date Format Validation**: The input date is validated against the specified date format based on locale.
- **Date Parsing and Display**: The date picker parses the input date and displays it in the configured format.
- **Clear and Today Buttons**: The footer of the calendar includes "Clear" and "Today" buttons to quickly clear the date or set it to the current date.

### 4. Custom Styles and Alignment

- **Text Alignment**: The date picker input and read-only display can have their text aligned based on the provided configuration.
- **Custom Year Dropdown**: The year dropdown is customized to display a range of 200 years centered around the current year.
- **Year and Month Navigation**: Users can navigate between months and years using dropdowns and buttons.

## Attributes

- **label** (Text): Text to display as the field label.
- **labelPosition** (Text): Determines where the label appears. Valid values: "ABOVE" (default), "ADJACENT", "JUSTIFIED", "COLLAPSED".
- **instructions** (Text): Supplemental text about this field.
- **helpTooltip** (Text): Displays a help icon with the specified text as a tooltip. The help icon does not show when the label position is "COLLAPSED".
- **required** (Boolean): Determines if a value is required to submit the form. Default: false.
- **disabled** (Boolean): Determines if the user is prevented from interacting with the field. Default: false.
- **validations** (List of Text String): Validation errors to display below the field when the value is not null.
- **height** (Text): Determines the layout height. Valid values: "SHORT", "MEDIUM", "TALL", "AUTO" (default).
- **showWhen** (Boolean): Determines whether the component is displayed on the interface. When set to false, the component is hidden and is not evaluated. Default: true.
- **dateValue** (Text): Value of selected Date
- **dateSaveInto** (List of Save): One or more variables that are updated with the date value when the user changes it. Use a!save() to save a modified or alternative value to a variable.
- **locale** (Text): Date Locale, Default Value: en-US, Possible Values: fr-FR, en-US, en-GB
- **readOnly** (Boolean): Possible Value - true,false
- **align** (Text): Possible Value - Left, Center ,Right
- **requiredMessage** (Text): Req Msg Parameter

## Appian Version

- **Appian Site:** Version below 24.2 also supported
- **Appian Portal:** Min Version 24.2 required

## Limitation

- Date Picker will not be pop-up based.
- Required Message Parameter will not work same as Appian in-built date picker component.

# Date Picker UI

## Initial Component Rendering on Page Load

**Locale Date Picker** *

jj/mm/aaaa 📅

## On Click of Calendar icon, date picker will be expanded

**Locale Date Picker** *

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| 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |

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## Validation

**Locale Date Picker** *

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Invalid date format. Please enter a valid date in d/m/Y format.

## Read Only View

**Locale Date Picker** *

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