

Popover

<https://playdocs1.orangeriver-ad055946.westus2.azurecontainerapps.io/play-docs/docs/ui-components/Overlay/Popover>

Popover

The component provides a flexible overlay system for displaying contextual information, help text, and guided tour content. Built with advanced positioning logic and multiple navigation variants, it's perfect for creating interactive user experiences.

```
<ava-popover>
```

How to use

```
import { AavaPopOverComponent } from "@aava/play-core";
```

```
import { AavaPopOverComponent } from "@aava/play-core";
```

Basic Usage

Simple popover implementation with default settings and basic content display.

```
<aava-button avaPopover [avaPopoverData]="samplePopoverData" [avaPopoverPosition]="'top'"
[avaPopoverArrow]="'center'" [label]='Show Popover' [variant]='primary' [outlined]="true"
pressedEffect="ripple"></aava-button><aava-button avaPopover [avaPopoverData]="learnMorePopoverData"
[avaPopoverPosition]='bottom' [avaPopoverArrow]='center' [avaPopoverShowLearnMore]="true" [label]='Show
with Learn More' [variant]='secondary' [outlined]="true" pressedEffect="ripple"></aava-button><aava-button
avaPopover [avaPopoverData]="multiStepPopoverData" [avaPopoverPosition]='right' [avaPopoverArrow]='center'
[avaPopoverShowButtons]="true" [avaPopoverShowPagination]="true" [label]='Show Multi-step'
[variant]='success' [outlined]="true" pressedEffect="ripple"></aava-button>
```

```
<aava-button avaPopover [avaPopoverData]="samplePopoverData" [avaPopoverPosition]="'top'"
[avaPopoverArrow]='center' [label]='Show Popover' [variant]='primary' [outlined]="true"
pressedEffect="ripple"></aava-button><aava-button avaPopover [avaPopoverData]="learnMorePopoverData"
[avaPopoverPosition]='bottom' [avaPopoverArrow]='center' [avaPopoverShowLearnMore]="true" [label]='Show
with Learn More' [variant]='secondary' [outlined]="true" pressedEffect="ripple"></aava-button><aava-button
avaPopover [avaPopoverData]="multiStepPopoverData" [avaPopoverPosition]='right' [avaPopoverArrow]='center'
[avaPopoverShowButtons]="true" [avaPopoverShowPagination]="true" [label]='Show Multi-step'
[variant]='success' [outlined]="true" pressedEffect="ripple"></aava-button>
```

```
samplePopoverData: PopOverData[] = [ { header: 'Welcome!', description: 'This is a simple popover
with basic content.', }, ]; learnMorePopoverData: PopOverData[] = [ { header: 'Learn More',
description: 'This popover includes a learn more link for additional information.', learnMoreUrl:
'https://example.com', }, ]; multiStepPopoverData: PopOverData[] = [ { header: 'Step 1',
description: 'This is the first step of the multi-step popover.', }, { header: 'Step 2',
description: 'This is the second step with additional information.', }, { header: 'Step 3',
description: 'This is the final step with completion details.', }, ];
```

```
samplePopoverData: PopOverData[] = [ { header: 'Welcome!', description: 'This is a simple popover
with basic content.', }, ]; learnMorePopoverData: PopOverData[] = [ { header: 'Learn More',
description: 'This popover includes a learn more link for additional information.', learnMoreUrl:
'https://example.com', }, ]; multiStepPopoverData: PopOverData[] = [ { header: 'Step 1',
description: 'This is the first step of the multi-step popover.', }, { header: 'Step 2',
description: 'This is the second step with additional information.', }, { header: 'Step 3',
description: 'This is the final step with completion details.', }, ];
```

Basic Features

- Flexible Positioning: Automatic positioning with arrow alignment
- Content Management: Support for header, description, and optional learn more links
- Responsive Design: Adapts to different screen sizes and content lengths
- Accessibility: Built-in accessibility features and keyboard navigation

- Animation: Smooth entrance animations with stretch effects

Positioning Options

Four positioning variants with intelligent arrow placement and automatic boundary detection.

```
<aava-button avaPopover [avaPopoverData]="topPopoverData" [avaPopoverPosition]="'top'"
[avaPopoverArrow]=''center'' [label]=''Show Top'' [variant]=''primary'' [outlined]="true"
pressedEffect="ripple"></aava-button><aava-button avaPopover [avaPopoverData]="bottomPopoverData"
[avaPopoverPosition]=''bottom'' [avaPopoverArrow]=''center'' [label]=''Show Bottom'' [variant]=''secondary''
[outlined]="true" pressedEffect="ripple"></aava-button><aava-button avaPopover
[avaPopoverData]="leftPopoverData" [avaPopoverPosition]=''left'' [avaPopoverArrow]=''center'' [label]=''Show
Left'' [variant]=''success'' [outlined]="true" pressedEffect="ripple"></aava-button><aava-button avaPopover
[avaPopoverData]="rightPopoverData" [avaPopoverPosition]=''right'' [avaPopoverArrow]=''center'' [label]=''Show
Right'' [variant]=''warning'' [outlined]="true" pressedEffect="ripple"></aava-button><aava-button avaPopover
[avaPopoverData]="startArrowPopoverData" [avaPopoverPosition]=''top'' [avaPopoverArrow]=''start''
[label]=''Start Arrow'' [variant]=''info'' [outlined]="true" pressedEffect="ripple"></aava-button><aava-button
avaPopover [avaPopoverData]="centerArrowPopoverData" [avaPopoverPosition]=''top'' [avaPopoverArrow]=''center''
[label]=''Center Arrow'' [variant]=''primary'' [outlined]="true" pressedEffect="ripple"></aava-button><aava-
button avaPopover [avaPopoverData]="endArrowPopoverData" [avaPopoverPosition]=''top''
[avaPopoverArrow]=''end'' [label]=''End Arrow'' [variant]=''secondary'' [outlined]="true"
pressedEffect="ripple"></aava-button>
```

```
<aava-button avaPopover [avaPopoverData]="topPopoverData" [avaPopoverPosition]=''top'"
[avaPopoverArrow]=''center'' [label]=''Show Top'' [variant]=''primary'' [outlined]="true"
pressedEffect="ripple"></aava-button><aava-button avaPopover [avaPopoverData]="bottomPopoverData"
[avaPopoverPosition]=''bottom'' [avaPopoverArrow]=''center'' [label]=''Show Bottom'' [variant]=''secondary''
[outlined]="true" pressedEffect="ripple"></aava-button><aava-button avaPopover
[avaPopoverData]="leftPopoverData" [avaPopoverPosition]=''left'' [avaPopoverArrow]=''center'' [label]=''Show
Left'' [variant]=''success'' [outlined]="true" pressedEffect="ripple"></aava-button><aava-button avaPopover
[avaPopoverData]="rightPopoverData" [avaPopoverPosition]=''right'' [avaPopoverArrow]=''center'' [label]=''Show
Right'' [variant]=''warning'' [outlined]="true" pressedEffect="ripple"></aava-button><aava-button avaPopover
[avaPopoverData]="startArrowPopoverData" [avaPopoverPosition]=''top'' [avaPopoverArrow]=''start''
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avaPopover [avaPopoverData]="centerArrowPopoverData" [avaPopoverPosition]=''top'' [avaPopoverArrow]=''center''
[label]=''Center Arrow'' [variant]=''primary'' [outlined]="true" pressedEffect="ripple"></aava-button><aava-
button avaPopover [avaPopoverData]="endArrowPopoverData" [avaPopoverPosition]=''top''
[avaPopoverArrow]=''end'' [label]=''End Arrow'' [variant]=''secondary'' [outlined]="true"
pressedEffect="ripple"></aava-button>
```

```
topPopoverData: PopOverData[] = [ { header: 'Top Position', description: 'This popover
appears above the target element with a downward arrow.', }, ]; bottomPopoverData: PopOverData[] = [ {
header: 'Bottom Position', description: 'This popover appears below the target element with an upward
arrow.', }, ]; leftPopoverData: PopOverData[] = [ { header: 'Left Position', description:
'This popover appears to the left of the target element with a rightward arrow.', }, ]; rightPopoverData:
PopOverData[] = [ { header: 'Right Position', description: 'This popover appears to the right
of the target element with a leftward arrow.', }, ]; startArrowPopoverData: PopOverData[] = [ {
header: 'Start Arrow', description: 'Arrow positioned at the beginning of the popover.', }, ];
centerArrowPopoverData: PopOverData[] = [ { header: 'Center Arrow', description: 'Arrow centered on
the popover (default).', }, ]; endArrowPopoverData: PopOverData[] = [ { header: 'End Arrow',
description: 'Arrow positioned at the end of the popover.', }, ];
```

```
topPopoverData: PopOverData[] = [ { header: 'Top Position', description: 'This popover
appears above the target element with a downward arrow.', }, ]; bottomPopoverData: PopOverData[] = [ {
header: 'Bottom Position', description: 'This popover appears below the target element with an upward
arrow.', }, ]; leftPopoverData: PopOverData[] = [ { header: 'Left Position', description:
'This popover appears to the left of the target element with a rightward arrow.', }, ]; rightPopoverData:
PopOverData[] = [ { header: 'Right Position', description: 'This popover appears to the right
of the target element with a leftward arrow.', }, ]; startArrowPopoverData: PopOverData[] = [ {
header: 'Start Arrow', description: 'Arrow positioned at the beginning of the popover.', }, ];
centerArrowPopoverData: PopOverData[] = [ { header: 'Center Arrow', description: 'Arrow centered on
the popover (default).', }, ]; endArrowPopoverData: PopOverData[] = [ { header: 'End Arrow',
description: 'Arrow positioned at the end of the popover.', }, ];
```

Available Positions

- Top- Appears above the target element with downward arrow
- Bottom- Appears below the target element with upward arrow
- Left- Appears to the left of the target element with rightward arrow
- Right- Appears to the right of the target element with leftward arrow

Arrow Alignment

- Start- Arrow positioned at the beginning of the popover
- Center- Arrow centered on the popover (default)
- End- Arrow positioned at the end of the popover

API Reference

Inputs

Property	Type	Default	Description
config	PopOverConfig	-	Configuration object for popover behavior
data	PopOverData[]	[]	Array of content items to display
config			
PopOverConfig			
data			
PopOverData[]			
[]			

PopOverConfig Interface

Property	Type	Default	Description
arrow	'start' 'center' 'end' null	null	Arrow alignment position
position	'top' 'bottom' 'left' 'right' 'top'	'top'	Popover position relative to target
left	number	0	Target element left position
top	number	0	Target element top position
bottom	number	0	Target element bottom position
width	number	0	Target element width
height	number	0	Target element height
showButtons	boolean?	false	Whether to show navigation buttons
showPagination	boolean?	false	Whether to show page counter
showIcon	boolean?	false	Whether to show icon navigation
showSkip	boolean?	false	Whether to show skip button
showLearnMore	boolean?	false	Whether to show learn more button
arrow			
'start' 'center' 'end' null			
null			
position			
'top' 'bottom' 'left' 'right'			
'top'			
left			
number			
0			
top			

number

0

bottom

number

0

width

number

0

height

number

0

showButtons

boolean?

false

showPagination

boolean?

false

showIcon

boolean?

false

showSkip

boolean?

false

showLearnMore

boolean?

false

PopoverData Interface

Property	Type	Default	Description
header	string	-	Header text for the popover
description	string	-	Description text for the popover
learnMoreUrl	string?	-	Optional URL for learn more functionality
header			
string			
description			
string			
learnMoreUrl			
string?			

Properties

Property	Type	Description
visible	boolean	Whether the popover is currently visible
currentIndex	number	Current page index for multi-page content
currentData	PopOverData null	Current content data being displayed
currentPage	string	Current page display string (e.g., "2/5")
hasPrevious	boolean	Whether previous page is available
hasNext	boolean	Whether next page is available
visible		
boolean		
currentIndex		
number		
currentData		
PopOverData null		
currentPage		
string		
hasPrevious		
boolean		
hasNext		
boolean		

Methods

Method	Parameters	Return Type	Description
--------	------------	-------------	-------------

previous() | event?: any | void | Navigate to previous page
next() | event?: any | void | Navigate to next page
skip() | event?: any | void | Close popover and skip content
learnMore() | event?: any | void | Open learn more URL in new tab
updatePosition() | - | void | Update popover position and arrow placement
setArrowPosition() | - | void | Set CSS custom properties for arrow positioning

previous()

event?: any

void

next()

event?: any

void

skip()

event?: any

void

learnMore()

event?: any

void

updatePosition()

void

setArrowPosition()

void

CSS Custom Properties

The component uses CSS custom properties for theming and styling:

Property	Default	Description
--popover-background	Dynamic	Background color of the popover
--popover-text	Dynamic	Text color of the popover
--popover-font	Dynamic	Font family for the popover
--popover-padding	Dynamic	Internal padding of the popover
--popover-border-radius	Dynamic	Border radius of the popover
--popover-max-width	Dynamic	Maximum width of the popover
--popover-z-index	Dynamic	Z-index for layering
--popover-shadow	Dynamic	Box shadow for the popover
--popover-border-color	Dynamic	Border color of the popover
--popover-content-gap	Dynamic	Gap between content sections
--popover-header-font-family	Dynamic	Font family for the header
--popover-header-font-size	Dynamic	Font size for the header
--popover-header-font-weight	Dynamic	Font weight for the header
--popover-header-color	Dynamic	Color for the header text
--popover-header-line-height	Dynamic	Line height for the header
--popover-description-font-family	Dynamic	Font family for the description
--popover-description-font-size	Dynamic	Font size for the description
--popover-description-font-weight	Dynamic	Font weight for the description

--popover-description-color | Dynamic | Color for the description text
--popover-description-line-height | Dynamic | Line height for the description
--popover-footer-margin-top | Dynamic | Top margin for the footer
--popover-pagination-font-size | Dynamic | Font size for pagination text
--popover-pagination-font-weight | Dynamic | Font weight for pagination text
--popover-pagination-color | Dynamic | Color for pagination text
--popover-pagination-font-family | Dynamic | Font family for pagination text
--popover-pagination-line-height | Dynamic | Line height for pagination text
--popover-button-gap | Dynamic | Gap between navigation buttons
--popover-button-width | Dynamic | Width of navigation buttons
--popover-button-height | Dynamic | Height of navigation buttons
--popover-disabled-opacity | Dynamic | Opacity for disabled button states
--popover-hover-background | Dynamic | Background color for button hover states
--popover-hover-border-radius | Dynamic | Border radius for button hover states
--popover-arrow-border-width | Dynamic | Width of arrow border
--popover-arrow-border-width-inner | Dynamic | Width of inner arrow border
--popover-arrow-border-shadow | Dynamic | Color of arrow border shadow
--popover-arrow-color | Dynamic | Color of arrow fill

--popover-background

--popover-text

--popover-font

--popover-padding

--popover-border-radius

--popover-max-width

--popover-z-index

--popover-shadow

--popover-border-color

--popover-content-gap

--popover-header-font-family

--popover-header-font-size

--popover-header-font-weight

--popover-header-color

--popover-header-line-height

--popover-description-font-family

--popover-description-font-size

--popover-description-font-weight

--popover-description-color

--popover-description-line-height

```
--popover-footer-margin-top
```

```
--popover-pagination-font-size
```

```
--popover-pagination-font-weight
```

```
--popover-pagination-color
```

```
--popover-pagination-font-family
```

```
--popover-pagination-line-height
```

```
--popover-button-gap
```

```
--popover-button-width
```

```
--popover-button-height
```

```
--popover-disabled-opacity
```

```
--popover-hover-background
```

```
--popover-hover-border-radius
```

```
--popover-arrow-border-width
```

```
--popover-arrow-border-width-inner
```

```
--popover-arrow-border-shadow
```

```
--popover-arrow-color
```

Best Practices

Content Guidelines

- Keep it concise: Popovers work best with short, focused content
- Use clear headers: Make the purpose of the popover immediately clear
- Provide actionable content: Include learn more links or navigation when appropriate
- Consider context: Position popovers to avoid covering important interface elements

Positioning Guidelines

- Choose appropriate positions: Use top/bottom for horizontal content, left/right for vertical content
- Align arrows thoughtfully: Center arrows for balanced content, start/end for directional emphasis
- Avoid boundaries: Ensure popovers don't extend beyond viewport edges
- Consider scrolling: Position popovers to remain visible during page scroll

Navigation Guidelines

- Match user expectations: Use familiar navigation patterns (prev/next, pagination)
- Provide clear feedback: Show current position and available actions

- Include skip options: Allow users to bypass content when appropriate
- Use consistent styling: Maintain visual consistency across navigation elements

Technical Notes

Component Architecture

The popover component uses a modern Angular architecture with:

- PopOverComponent- Main component with positioning and navigation logic
- IconComponentintegration for icon-based navigation
- ViewChild referencesfor DOM manipulation and positioning
- ChangeDetectionStrategy.OnPushfor performance optimization

Positioning System

The component implements an advanced positioning system:

- Automatic positioningbased on target element coordinates
- Arrow alignmentwith CSS custom properties for precise placement
- Boundary detectionto prevent overflow beyond viewport
- Scroll and resize handlingfor responsive positioning

Animation System

The component provides smooth entrance animations:

- Stretch effectsfor natural expansion from target elements
- Position-based animationswith appropriate transform origins
- CSS keyframesfor consistent and performant animations
- Smooth transitionsfor opacity and transform changes

Event Handling

The component manages multiple event types:

- Navigation eventsfor page changes and content progression
- User interactionfor skip, learn more, and navigation actions
- Window eventsfor scroll and resize handling
- Lifecycle eventsfor proper cleanup and memory management

CSS Architecture

The component uses a comprehensive CSS architecture:

- CSS custom propertiesfor theming and customization
- BEM-like namingfor maintainable and scalable styles
- Position-based modifiersfor different placement variants
- Responsive designwith flexible layouts and sizing

Accessibility Features

The component includes built-in accessibility features:

- Keyboard navigationfor all interactive elements
- ARIA attributesfor screen reader compatibility

- Focus managementfor proper tab order and focus indicators
- Semantic markupfor clear content structure and meaning