

Toast

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

Toast

The system provides a comprehensive notification solution with multiple variants, flexible positioning, smooth animations, and action buttons. Built around a service-based architecture, it offers both simple and advanced toast configurations for various user feedback scenarios.

```
<ava-toast>
```

How to use

```
import { AavaToastService } from "@aava/play-core"; // Inject the service
constructor(private toastService: AavaToastService) {} // Show different types of toasts
this.toastService.success({ message: 'Operation completed!' });
this.toastService.error({ message: 'Something went wrong!' });
```

```
import { AavaToastService } from "@aava/play-core"; // Inject the service
constructor(private toastService: AavaToastService) {} // Show different types of toasts
this.toastService.success({ message: 'Operation completed!' });
this.toastService.error({ message: 'Something went wrong!' });
```

Basic Usage

Simple toast notifications with default configurations.

```
<aava-button label="Show Success Toast" variant="success" (userClick)="showSuccessToast()"></aava-button>
```

```
<aava-button label="Show Success Toast" variant="success" (userClick)="showSuccessToast()"></aava-button>
```

```
// Inject the toast service in your component
constructor(private toastService: ToastService) {} // Show different types of toasts
showSuccessToast() { this.toastService.success({ title: 'Successfully created!',
message: 'Your changes have been saved successfully', duration: 2000, customWidth: '400px', design: 'modern',
size: 'large', }); } }
```

```
// Inject the toast service in your component
constructor(private toastService: ToastService) {} // Show different types of toasts
showSuccessToast() { this.toastService.success({ title: 'Successfully created!',
message: 'Your changes have been saved successfully', duration: 2000, customWidth: '400px', design: 'modern',
size: 'large', }); } }
```

Variants

Six distinct toast variants for different notification types and user feedback scenarios.

```
<aava-button label="Show Success Toast" variant="success" (userClick)="showSuccessToast()"></aava-button>
<aava-button label="Show Error Toast" variant="danger" (userClick)="showErrorToast()"></aava-button>
<aava-button label="Show Warning Toast" variant="warning" (userClick)="showWarningToast()"></aava-button>
<aava-button label="Show Info Toast" variant="info" (userClick)="showInfoToast()"></aava-button>
<aava-button label="Show Default Toast" variant="secondary" (userClick)="showDefaultToast()"></aava-button>
```

```
<aava-button label="Show Success Toast" variant="success" (userClick)="showSuccessToast()"></aava-button>
<aava-button label="Show Error Toast" variant="danger" (userClick)="showErrorToast()"></aava-button>
<aava-button label="Show Warning Toast" variant="warning" (userClick)="showWarningToast()"></aava-button>
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<aava-button label="Show Default Toast" variant="secondary" (userClick)="showDefaultToast()"></aava-button>
```

```
// Inject the toast service in your component
constructor(private toastService: ToastService) {} // Show different toast variants
showSuccessToast() { this.toastService.success({ title: 'Successfully created!',
message: 'Your changes have been saved successfully', duration: 2000, customWidth: '300px', design: 'modern',
size: 'small', }); } showWarningToast() { this.toastService.warning({ title: 'Warning Occurred',
message: 'Please review your input carefully', duration: 2000, customWidth: '300px', design: 'modern',
size: 'small', }); } showInfoToast() { this.toastService.info({ title: 'Information',
message: 'Your changes have been saved successfully', duration: 2000, customWidth: '300px', design: 'modern',
size: 'small', }); } showDefaultToast() { this.toastService.default({ title: 'Default Toast',
message: 'Your changes have been saved successfully', duration: 2000, customWidth: '300px', design: 'modern',
size: 'small', }); } showErrorMessage() { this.toastService.error({ title: 'Error Occurred',
message: 'Unable to connect to the server at present', duration: 2000, customWidth: '300px', design: 'modern',
size: 'small', }); } }
```

```
before proceeding.', duration: 2000, customWidth: '300px', design: 'modern', size: 'small',
}); } showInfoToast() { this.toastService.info({ title: 'Action Required', message: 'Please review
your input carefully before proceeding.', duration: 2000, customWidth: '300px', design: 'modern',
size: 'small', }); } showDefaultToast() { this.toastService.default({ title: 'Default Toast
Occurred', message: 'This is a default toast with neutral styling.', duration: 2000, customWidth:
'300px', design: 'modern', size: 'small', }); } showCustomToast() { this.toastService.custom({
title: 'Custom Toast', message: 'This is a fully customizable toast with unique styling.',
customBackground: 'var(--color-primary)', customTextColor: 'var(--color-text-primary)', customWidth:
'300px', design: 'modern', size: 'small', }); }
```

```
// Inject the toast service in your componentconstructor(private toastService: ToastService) {}// Show different
toast variants showSuccessToast() { this.toastService.success({ title: 'Successfully created!',
message: 'Your changes have been saved successfully', duration: 2000, customWidth: '300px', design:
'modern', size: 'small', }); } showErrorToast() { this.toastService.error({ title: 'Error
Occurred', message: 'Connection error. Unable to connect to the server at present', duration: 2000,
customWidth: '300px', design: 'modern', size: 'small', }); } showWarningToast() {
this.toastService.warning({ title: 'Warning Occurred', message: 'Please review your input carefully
before proceeding.', duration: 2000, customWidth: '300px', design: 'modern', size: 'small',
}); } showInfoToast() { this.toastService.info({ title: 'Action Required', message: 'Please review
your input carefully before proceeding.', duration: 2000, customWidth: '300px', design: 'modern',
size: 'small', }); } showDefaultToast() { this.toastService.default({ title: 'Default Toast
Occurred', message: 'This is a default toast with neutral styling.', duration: 2000, customWidth:
'300px', design: 'modern', size: 'small', }); } showCustomToast() { this.toastService.custom({
title: 'Custom Toast', message: 'This is a fully customizable toast with unique styling.',
customBackground: 'var(--color-primary)', customTextColor: 'var(--color-text-primary)', customWidth:
'300px', design: 'modern', size: 'small', }); }
```

Available Variants

- Success- Green styling for successful operations and confirmations
- Error- Red styling for errors and critical issues
- Warning- Orange/yellow styling for warnings and cautions
- Info- Blue styling for informational messages and tips
- Default- Neutral styling for general notifications
- Custom- Fully customizable styling and content

Sizes

Three size variants to accommodate different content lengths and interface requirements.

```
<aava-button label="Show Small Success" variant="success" size="small" (userClick)="showSmallSuccess()">
</aava-button><aava-button label="Show Medium Warning" variant="warning" size="small"
(userClick)="showMediumWarning()"></aava-button><aava-button label="Show Large Success" variant="danger"
size="small" (userClick)="showLargeError()"></aava-button>
```

```
<aava-button label="Show Small Success" variant="success" size="small" (userClick)="showSmallSuccess()">
</aava-button><aava-button label="Show Medium Warning" variant="warning" size="small"
(userClick)="showMediumWarning()"></aava-button><aava-button label="Show Large Success" variant="danger"
size="small" (userClick)="showLargeError()"></aava-button>
```

```
// Inject the toast service in your componentconstructor(private toastService: ToastService) {}// Show different
toast sizes showSmallSuccess() { this.toastService.success({ title: 'Successfully created!', message:
'Your changes have been saved successfully', duration: 1000, customWidth: '300px', design:
'modern', size: 'small', }); } showMediumWarning() { this.toastService.warning({ title: 'Action
Required', message: 'Incomplete fields.Please fill in all required information.', duration: 1000,
customWidth: '350px', design: 'modern', size: 'medium', }); } showLargeError() {
this.toastService.error({ title: 'Error Occurred', message: 'Connection error. Unable to connect to the
server at present', duration: 1000, customWidth: '400px', design: 'modern', size: 'large',
}); }
```

```
// Inject the toast service in your componentconstructor(private toastService: ToastService) {}// Show different
toast sizes showSmallSuccess() { this.toastService.success({ title: 'Successfully created!', message:
'Your changes have been saved successfully', duration: 1000, customWidth: '300px', design:
'modern', size: 'small', }); } showMediumWarning() { this.toastService.warning({ title: 'Action
Required', message: 'Incomplete fields.Please fill in all required information.', duration: 1000,
customWidth: '350px', design: 'modern', size: 'medium', }); } showLargeError() {
this.toastService.error({ title: 'Error Occurred', message: 'Connection error. Unable to connect to the
server at present', duration: 1000, customWidth: '400px', design: 'modern', size: 'large',
}); }
```

Available Sizes

- Small- Compact size for minimal content and dense interfaces
- Medium- Standard size for most notification scenarios (default)
- Large- Prominent size for important messages and detailed content

Service Methods

The ToastService provides convenient methods for different toast types:

Success Toast

```
this.toastService.success({ title: "Success!", message: "Operation completed successfully.", duration: 4000, showCloseButton: true,});
```

```
this.toastService.success({ title: "Success!", message: "Operation completed successfully.", duration: 4000, showCloseButton: true,});
```

Error Toast

```
this.toastService.error({ title: "Error!", message: "Something went wrong. Please try again.", showRetryButton: true, retryButtonText: "Retry",});
```

```
this.toastService.error({ title: "Error!", message: "Something went wrong. Please try again.", showRetryButton: true, retryButtonText: "Retry",});
```

Warning Toast

```
this.toastService.warning({ title: "Warning", message: "Please review the information carefully.", showActionButton: true, actionButtonText: "Review",});
```

```
this.toastService.warning({ title: "Warning", message: "Please review the information carefully.", showActionButton: true, actionButtonText: "Review",});
```

Info Toast

```
this.toastService.info({ title: "Information", message: "Here is some important information.", showLearnMoreButton: true, learnMoreButtonText: "Learn More",});
```

```
this.toastService.info({ title: "Information", message: "Here is some important information.", showLearnMoreButton: true, learnMoreButtonText: "Learn More",});
```

Custom Toast

```
this.toastService.custom({ title: "Custom Toast", message: "This is a fully customizable toast.", customWidth: "500px", customBackground: "#6366f1", customTextColor: "#ffffff",});
```

```
this.toastService.custom({ title: "Custom Toast", message: "This is a fully customizable toast.", customWidth: "500px", customBackground: "#6366f1", customTextColor: "#ffffff",});
```

API Reference

ToastService Methods

Method	Parameters	Return Type	Description
success()	SuccessToastConfig?	Promise	Show success toast with green styling
error()	ErrorToastConfig?	Promise	Show error toast with red styling
warning()	WarningToastConfig?	Promise	Show warning toast with orange styling

info() | InfoToastConfig? | Promise | Show info toast with blue styling
default() | DefaultToastConfig? | Promise | Show default toast with neutral styling
custom() | CustomToastConfig? | Promise | Show custom toast with full customization
setPosition() | ToastPosition | void | Set global toast position
dismissAll() | - | void | Dismiss all active toasts

success()

SuccessToastConfig?

Promise<ToastResult>

error()

ErrorToastConfig?

Promise<ToastResult>

warning()

WarningToastConfig?

Promise<ToastResult>

info()

InfoToastConfig?

Promise<ToastResult>

default()

DefaultToastConfig?

Promise<ToastResult>

custom()

CustomToastConfig?

Promise<ToastResult>

setPosition()

ToastPosition

void

dismissAll()

void

Toast Configuration Interfaces

Property	Type	Default	Description
title	string?	' '	Toast header text
message	string?	' '	Toast body text
duration	number?	4000	Auto-dismiss duration in milliseconds
position	ToastPosition?	'top-right'	Toast position on screen
showCloseButton	boolean?	true	Whether to show close button
showProgress	boolean?	true	Whether to show progress bar
icon	string?	' '	Custom icon name
iconColor	string?	' '	Custom icon color
customWidth	string?	' '	Custom toast width
customHeight	string?	' '	Custom toast height
design	'classic' 'modern'	'classic'	Toast design variant
size	'large' 'medium' 'small'	'large'	Toast size variant

title

string?

' '

message

string?

' '

duration

number?

4000

position

ToastPosition?

'top-right'

showCloseButton

boolean?

true

showProgress

boolean?

true

icon

string?

' '

iconColor

string?
' '
customWidth
string?
' '
customHeight
string?
' '
design
'classic' 'modern'
'classic'
size
'large' 'medium' 'small'
'large'
Property Type Default Description type 'success' 'success' Toast type (always 'success')
type
'success'
'success'
Property Type Default Description type 'error' 'error' Toast type (always 'error') showRetryButton boolean? false Whether to show retry button retryButtonText string? 'Retry' Text for retry button
type
'error'
'error'
showRetryButton
boolean?
false

retryButtonText
string?
'Retry'
<div>Property Type Default Description</div> <div>type 'warning' 'warning' Toast type (always 'warning')</div> <div>showActionButton boolean? false Whether to show action button</div> <div>actionButtonText string? 'Action' Text for action button</div>
type
'warning'
'warning'
showActionButton
boolean?
false
actionButtonText
string?
'Action'
<div>Property Type Default Description</div> <div>type 'info' 'info' Toast type (always 'info')</div> <div>showLearnMoreButton boolean? false Whether to show learn more button</div> <div>learnMoreButtonText string? 'Learn More' Text for learn more button</div>
type
'info'
'info'
showLearnMoreButton
boolean?
false
learnMoreButtonText
string?
'Learn More'
<div>Property Type Default Description</div> <div>type 'custom' 'custom' Toast type (always 'custom')</div> <div>customContent string? '' Custom HTML content</div> <div>customBackground string? '' Custom background color</div>

customTextColor | string? | '' | Custom text color
progressColor | string? | '' | Custom progress bar color
showCustomActions | boolean? | false | Whether to show custom action buttons
customActions | CustomAction[]? | '' | Array of custom action buttons

type

'custom'

'custom'

customContent

string?

''

customBackground

string?

''

customTextColor

string?

''

progressColor

string?

''

showCustomActions

boolean?

false

customActions

CustomAction[]?

''

Toast Position Options

Position | Description
'top-left' | Top-left corner of the screen
'top-center' | Top-center of the screen
'top-right' | Top-right corner of the screen (default)
bottom-left | Bottom-left corner of the screen
bottom-center | Bottom-center of the screen
bottom-right | Bottom-right corner of the screen

'top-left'
'top-center'
'top-right'
bottom-left
bottom-center
bottom-right

Toast Result Interface

Property	Type	Description
action	'close' 'retry' 'action' 'learn-more' 'timeout' string	Action that triggered toast dismissal
data	any?	Additional data from custom actions

Custom Action Interface

Property	Type	Description
action	string	Unique identifier for the action
label	string	Display text for the action button
data	any?	Additional data to pass with the action

Best Practices

Design Guidelines

- Choose appropriate variants- Use semantic colors that match the message type
- Keep messages concise- Toast notifications should be brief and actionable
- Use consistent positioning- Stick to one position for your application
- Consider duration carefully- Longer durations for important messages, shorter for confirmations

- Limit concurrent toasts- Avoid overwhelming users with too many notifications

Accessibility

- Provide meaningful titles- Use descriptive headers for screen readers
- Include action alternatives- Ensure all toast actions are keyboard accessible
- Test with screen readers- Verify proper announcement of toast content
- Maintain focus management- Ensure focus returns to appropriate elements
- Use sufficient contrast- Maintain readability in both light and dark themes

Performance

- Limit toast instances- Avoid creating excessive toast components
- Use appropriate timeouts- Set reasonable auto-dismiss durations
- Clean up resources- Ensure proper cleanup of event listeners
- Optimize animations- Use CSS transforms for smooth performance

User Experience

- Position strategically- Choose positions that don't block important content
- Provide clear actions- Make action buttons descriptive and intuitive
- Handle errors gracefully- Use error toasts with retry options when appropriate
- Consider mobile users- Ensure toasts are readable on small screens
- Respect user preferences- Allow users to control toast behavior

Use Cases

- Success Confirmations- Operation completion, form submissions
- Error Notifications- Validation failures, API errors, network issues
- Warning Messages- Important reminders, confirmation requirements
- Information Updates- System status, feature announcements
- Action Prompts- User decisions, next steps, navigation hints

Technical Notes

Service Architecture

The toast system uses a service-based architecture where:

- ToastService manages all toast operations and lifecycle
- ToastContainerComponent provides the positioning and container logic
- Individual toast components handle specific styling and behavior
- Dynamic component creation enables programmatic toast generation

Positioning System

Toasts are positioned using CSS transforms and positioning:

- Fixed positioning ensures toasts appear above all content
- Responsive behavior adapts to different screen sizes
- Z-index management maintains proper layering
- Mobile optimization provides full-width toasts on small screens

Animation System

Toast animations include:

- Entrance animations- Slide and fade in effects
- Exit animations- Slide and fade out effects
- Progress bars- Visual countdown for auto-dismiss
- Hover interactions- Timer pause/resume functionality

Event Handling

The system handles multiple event types:

- Close events- User-initiated dismissal
- Action events- Button clicks and custom actions
- Timeout events- Auto-dismiss completion
- Hover events- Timer pause/resume functionality