

Simple Use Case: YAHOO.widget.Carousel

Styles:

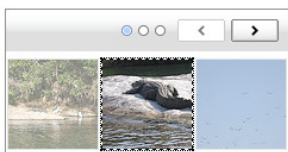
```
.yui-carousel-element li { width: Ypx; height: Zpx; }
```

Markup:

```
<div id="container"><ul><li>item</li></ul></div>
```

Script:

```
var carousel = new YAHOO.widget.Carousel("container");
carousel.render();
```



Creates a simple Carousel of items inside the list container (UL).

Carousel ships with a skin (left) that provides visual elements for the navigation controls. Apply the CSS class yui-skin-sam to the body element or other parent element of your Carousel's container in order to make use of the default skin.



Constructor: YAHOO.widget.Carousel

```
YAHOO.widget.Carousel([str container,] [,obj config]);
```

Arguments:

- (1) **container**: HTML ID or HTMLElement of existing markup to use when building Carousel. This should be a UL or an OL element.
- (2) **Configuration Object**: JS object defining configuration properties for the Carousel instance. See Configuration section and online docs for a list of these options.

Carousel Options

Configure options using the constructor configuration object or *set()*, as described in "Solutions"

Carousel objects include several configurable options, including:

animation	isCircular	numVisible
autoPlayInterval	isVertical	revealAmount

Dependencies

Carousel requires YAHOO, Dom, Event and Element.

Interesting Moments in Carousel

See online docs for complete list of Carousel events.

Event	Fires...	Passes back:
afterScroll	After the viewport in the Carousel has scrolled.	The indices of the first and last items in the viewport.
itemAdded	After an item has been added to the Carousel.	The content of the inserted item and the position where it is inserted.
pageChangeEvent	When the Carousel navigates to a new page.	Page number of the current page.
navigationStateChange	When the state of the navigation buttons change (enabled/disabled).	The state of the navigation buttons (true if enabled, false otherwise)
loadItems	When the Carousel needs more items to be loaded for displaying them.	The first and last visible items in the Carousel and the number of items to be loaded.

All Carousel events are Custom Events (see Event Utility docs); subscribe to these events using their *subscribe* method: `carousel.loadItems.subscribe(fnMyHandler);`. Event-specific arguments, if present, will be passed in an array as the second argument to the event handler. Some events also have a *before* event to which you can subscribe.

Solutions

Basic markup for a Carousel:

```
<div id="container">
  <ul>
    <li></li>
  </ul>
</div>
```

Render a Carousel that scrolls **automatically** every two seconds and animating while scrolling:

```
carousel = new YAHOO.widget.Carousel("container", {
    autoPlayInterval: 2000, animation: { speed: 0.5 }
});
carousel.render();
carousel.startAutoPlay();
```

There are two ways to configure options on your Carousel:

```
// 1. In the constructor, via an object literal:
carousel = new YAHOO.widget.Carousel("container", {
    isCircular: true
});

// 2. Via "set":
carousel.set("isCircular", true);
```

YAHOO.widget.Carousel

containerId (str)

cfg (Config)

the carousel's configuration object

YAHOO.widget.Carousel Methods

Manipulation:

addItem(String, index)
addItems(array)
replaceItem(String, index)
replaceItems(array)
clearItems()
removeItem(int)
registerPagination(String)
updatePagination()

Navigation:

scrollBackward()
scrollForward()
scrollTo(int)

Rendering:

render([String])
 renders current state to page
show()
hide()

Selection:

set("selectedItem", int)

Other:

resets carousel to original state
carousel.set
 (propName, propValue)
carousel.get
 (propName)

Multi-row Carousel

Styles:

```
.yui-carousel-element li { width: Ypx; height: Zpx; }
```

Markup:

```
<div id="container"><ul><li>item</li></ul></div>
```

Script:

```
var carousel = new YAHOO.widget.Carousel("container", {
    numVisible: [ 3, 4 ]
});
carousel.render();
```

Creates a simple multi-row Carousel of items inside the list container (UL) to display items in an album view layout.

Accomplished by setting Carousel's **numVisible** property to an **array** containing the number of **columns and rows** of items to display.

Items can be applied any width or height via CSS and can contain more markup than just image tags.

Other single-row Carousel events, methods, and options are still available in multi-row including (but not limited to): **loadItems**, **animation**, **autoPlayInterval**, **isCircular**, and **isVertical**.

Pagination Template

Render a Carousel that displays pagination data:

```
var carousel = new YAHOO.widget.Carousel("container");
carousel.registerPagination("<strong>Image</strong>{firstVisible} - {lastVisible} <strong>of</strong>{numItems}");
carousel.render();
```

After Carousel instantiation, we use the public **registerPagination** method to register a text or HTML template embedded with Carousel {tokens}.



The public **updatePagination** method automatically substitutes each token with its respective data on render and every time Carousel's state changes.

Any combination of the following tokens can be embedded in your template: **numVisible**, **numPages**, **numItems**, **selectedItem**, **currentPage**, **firstVisible**, and/or **lastVisible**.