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Carousel

Need to show slides? There's nothing easier, use the carousel component.

About

In Metro 4 the process of the creating `carousel` it very easy. To create `carousel` you mus add attribute `data-role="carousel"` to element and define `slides` . Also you can set any options with additional attributes.



```
<div data-role="carousel"
  data-cls-bullet="bullet-big"
  data-auto-start="true"
  data-cls-controls="fg-white"
  data-bullets-position="right"
  data-control-next="<span class='mif-chevron-right fg-cyan'></span>"
  data-control-prev="<span class='mif-chevron-left fg-cyan'></span>"
  >
  <div class="slide p-2 pl-10 pr-10">
    <div class="row flex-align-center h-100">
      <div class="cell-md-4 text-center">
        
      </div>
      <div class="cell-md-8">
        <h1 class="text-light">Pumba</h1>
        <p class="mt-4 mb-4">Lorem Ipsum is simply dummy text of the printing and typesetting...</p>
        <button class="button alert">Show more...</button>
      </div>
    </div>
  </div>

  <div class="slide" data-cover="images/pumba-bg.jpg"></div>

  <div class="slide p-2 pl-10 pr-10" data-cover="images/bg-4.jpg">
    <div class="row flex-align-center h-100">
      <div class="cell-md-8">
        <p class="indent-letter">Lorem Ipsum is simply dummy text of the printing and typesetting...</p>
      </div>
      <div class="cell-md-4 text-center">
        <div class="img-container drop-shadow">
          
        </div>
      </div>
    </div>
  </div>
</div>
```

Carousel size

You can set `carousel size` with attributes `data-width` (default: 100%) and `data-height` (default: 16/9). For `data-width` you can set `% value` or `px value` . For height you can set: `16/9` (default), `21/9` , `4/3` or `px value` .

16/9

21/9

Height 200px

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Also you can set `media` values for carousel height. Value can be in format: `@ (media_query), value | (media_query), value | ...`

```
<div data-role="carousel"
  data-height="@ (max-width: 992px),500 | (max-width: 768px),350 | (max-width: 576px),100">
  <div class="slide d-flex flex-justify-center flex-align-center">
    <span class="h3">Slide</span>
  </div>
</div>

<div data-role="carousel"
  data-height="@ (max-width: 992px),21/9 | (max-width: 768px),16/9 | (max-width: 576px),4/3">
  <div class="slide d-flex flex-justify-center flex-align-center">
    <span class="h3">Slide</span>
  </div>
</div>
```

Controls

For sliding the slides user can use carousel `controls`, such as `left`, `right` and `bullets`. By default controls placed are inside the carousel slides area. To put `controls` outside the carousel set attribute `data-controls-outside="true"`.

Inside



Outside




```
<div data-role="carousel">
  <div class="slide" data-cover="images/1.jpg"></div>
  <div class="slide" data-cover="images/2.jpg"></div>
  <div class="slide" data-cover="images/3.jpg"></div>
</div>

<div data-role="carousel" data-controls-outside="true">
  <div class="slide" data-cover="images/1.jpg"></div>
  <div class="slide" data-cover="images/2.jpg"></div>
  <div class="slide" data-cover="images/3.jpg"></div>
</div>
```

Show controls when mouse enter

With attribute `data-controls-on-mouse="true"` you can set visible controls only if mouse enter to carousel.

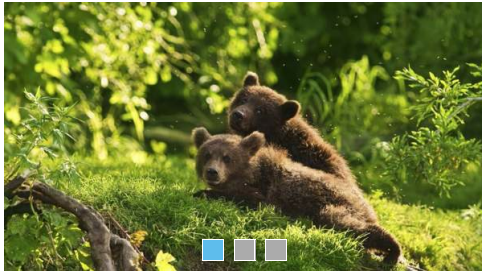


```
<div data-role="carousel"
  data-controls-on-mouse="true" data-cls-controls="fg-white">
  <div class="slide" data-cover="images/1.jpg"></div>
  <div class="slide" data-cover="images/2.jpg"></div>
  <div class="slide" data-cover="images/3.jpg"></div>
</div>
```

Hide controls

You can hide controls with attributes `data-controls="false"` and `data-bullets="false"` .

No left, right



No bullets



```
<div data-role="carousel"
  data-controls="false">
  <div class="slide" data-cover="images/1.jpg"></div>
  <div class="slide" data-cover="images/2.jpg"></div>
  <div class="slide" data-cover="images/3.jpg"></div>
</div>

<div data-role="carousel"
  data-bullets="false">
  <div class="slide" data-cover="images/1.jpg"></div>
  <div class="slide" data-cover="images/2.jpg"></div>
  <div class="slide" data-cover="images/3.jpg"></div>
</div>
```



Left and right symbols

You can change `left` and `right` slides switchers symbols with attributes `data-control-next` and `data-control-prev` .

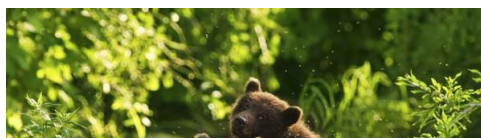
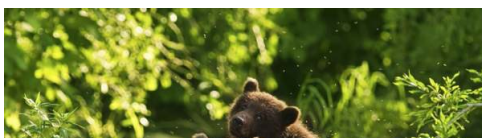
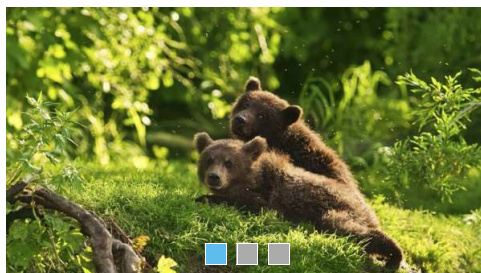
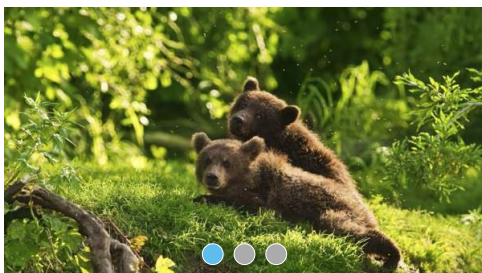


```
<div data-role="carousel"
  data-cls-controls="fg-white"
  data-control-next="<span class='mif-chevron-right'></span>"
  data-control-prev="<span class='mif-chevron-left'></span>">
  <div class="slide" data-cover="images/1.jpg"></div>
  <div class="slide" data-cover="images/2.jpg"></div>
  <div class="slide" data-cover="images/3.jpg"></div>
</div>
```



Bullets

You can use one of three predefined variants of `bullets` . To set bullet type use attribute `data-bullets-style` with values: `circle` , `square` (default), `rect` or `diamond` . To set bullet size use attribute `data-bullets-size` with values: `mini` , `small` , `default` or `large` . Also you can set bullets position via attribute `data-bullets-position` . You can set bullet on the `left` , `right` or `center` . The default value for `data-bullets-position` is a `center` .





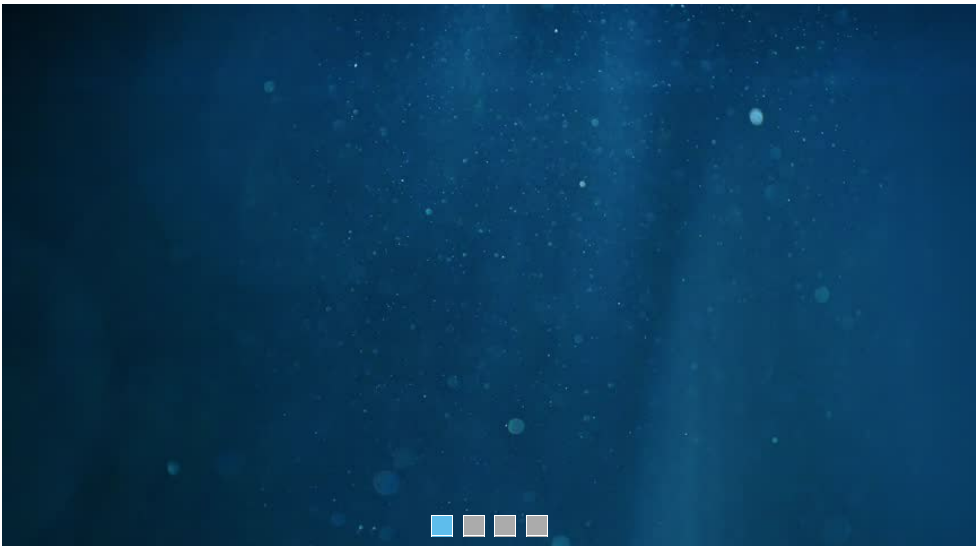
```
<div data-role="carousel" data-bullet-style="circle">
  <div class="slide" data-cover="images/1.jpg"></div>
  <div class="slide" data-cover="images/2.jpg"></div>
  <div class="slide" data-cover="images/3.jpg"></div>
</div>
<div data-role="carousel" data-bullet-style="square">
  <div class="slide" data-cover="images/1.jpg"></div>
  <div class="slide" data-cover="images/2.jpg"></div>
  <div class="slide" data-cover="images/3.jpg"></div>
</div>
<div data-role="carousel"
  data-bullet-style="rect" data-bullets-position="left">
  <div class="slide" data-cover="images/1.jpg"></div>
  <div class="slide" data-cover="images/2.jpg"></div>
  <div class="slide" data-cover="images/3.jpg"></div>
</div>
<div data-role="carousel"
  data-bullet-style="diamond" data-bullets-position="right">
  <div class="slide" data-cover="images/1.jpg"></div>
  <div class="slide" data-cover="images/2.jpg"></div>
  <div class="slide" data-cover="images/3.jpg"></div>
</div>
```



Slides

The slide is a block element with class `.slide`. For each slide you can set background image. To set background image for slide, add attribute `data-cover="..."` to slide.

By default, `slide` not have `margin` or `padding`. You must set it manually if need.



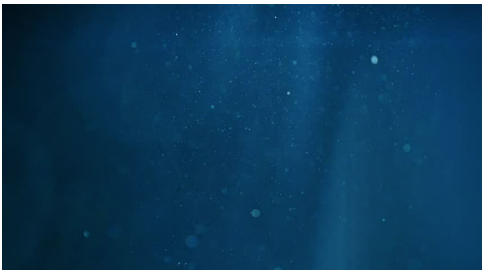
```
<div data-role="carousel" data-cls-controls="fg-cyan">
  <div class="slide" data-cover="images/bg-1.jpg"></div>
  <div class="slide" data-cover="images/bg-2.jpg"></div>
  <div class="slide" data-cover="images/bg-3.jpg"></div>
  <div class="slide" data-cover="images/bg-4.jpg"></div>
</div>
```



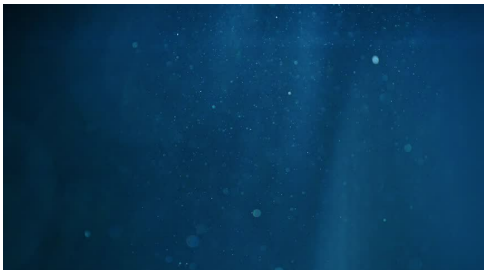
Effects

Slide change is accompanied by various effects. Currently supports four effects: `slide`, `slide-v`, `switch` and `fade`.

switch



fade



slide



slide-v





```
<div data-role="carousel" data-effect="slide">
...
</div>

<div data-role="carousel" data-effect="switch">
...
</div>

<div data-role="carousel" data-effect="fade">
...
</div>
```



Duration and period

The speed of applying the effect is determined by the duration parameter, which can be set via the attribute `data-duration`. The default value for `duration` is `1s`. The interval between slides is determined by the period parameter and can be specified via the attribute `data-period`. The default value for `data-period` is `5s`.

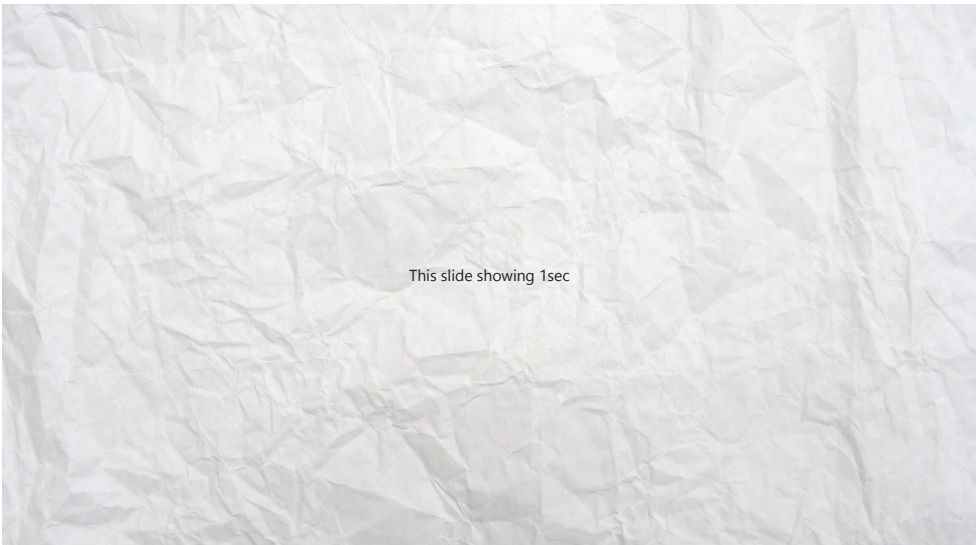


```
<div data-role="carousel"
    data-period="3000"
    data-duration="500">
...
</div>
```



Slide timings

Also, you can set `duration` and `period` option individual for each slide in carousel.



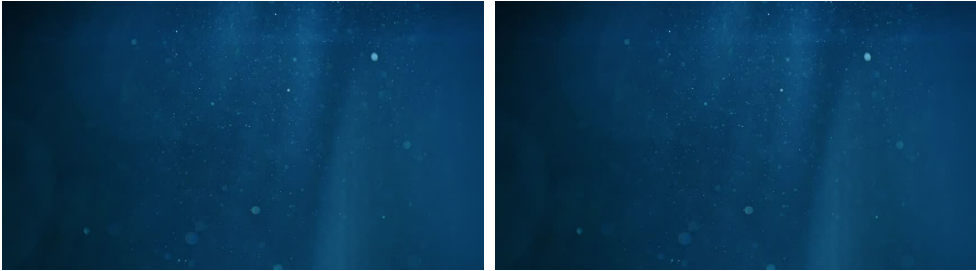
```
<div data-role="carousel"
    data-cls-controls="fg-cyan"
    data-effect="slide"
    data-controls="false"
    data-bullets="false"
    data-auto-start="true">
  <div class="slide" data-cover="images/bg-1.jpg"
    data-period="3000">This slide showing 3sec</div>
  <div class="slide" data-cover="images/bg-2.jpg"
    data-period="5000">This slide showing 5sec</div>
  <div class="slide" data-cover="images/bg-3.jpg"
    data-period="1000">This slide showing 1sec</div>
  <div class="slide" data-cover="images/bg-4.jpg"
```



```
</div>
data-period="10000">This slide showing 10sec</div>
```

Easing function

For effect `slide` you can use additional parameter: `effectFunc` , which can be set via the `data-effect-func="..."` attribute. Value for this parameter you can found on [this page](#)



```
<div data-role="carousel"
  data-effect="slide"
  data-effect-func="easeOutBounce">
  ...
</div>

<div data-role="carousel"
  data-effect="slide"
  data-effect-func="easeInQuart">
  ...
</div>
```

Options

The `carousel` component has a number of options. You can use that options to set style and behavior of component.

Option	Data-*	Default	Desc
autoStart	<code>data-auto-start</code>	false	If true, carousel started automatically
width	<code>data-width</code>	100%	The width of carousel, can be percent or int value
height	<code>data-height</code>	16/9	The height of carousel, can be: 16/9, 21/9, 4/3 or pixel value
effect	<code>data-effect</code>	slide	The effect for carousel, can be slide, slide-v, switch or fade
effectFunc	<code>data-effect-func</code>	linear	The easing function for effect for carousel
direction	<code>data-direction</code>	left	The direction for sliding for carousel. Can be left or right
duration	<code>data-duration</code>	1000	The duration sliding own slide. Value in milliseconds
period	<code>data-period</code>	5000	The period sliding own slide. Value in milliseconds
stopOnMouse	<code>data-stop-on-mouse</code>	true	If true and autoStart is true carousel stopped when mouse is entered
controls	<code>data-controls</code>	true	Show or hide left, right controls
bullets	<code>data-bullets</code>	true	Show or hide bullets
bulletsStyle	<code>data-bullets-style</code>	square	Set bullets style. Can be square, circle, rect or diamond
bulletsSize	<code>data-bullets-size</code>	default	Set bullets size. Can be default, mini, small, large
controlsOnMouse	<code>data-controls-on-mouse</code>	false	if true controls and bullets can visible on mouse over
controlsOutside	<code>data-controls-outside</code>	false	Put controls and bullets to outside the slides area
bulletsPosition	<code>data-bullets-position</code>	center	Bullets position. Can be center, left or right

You can set a number of option for each slide: `period` , `duration` , `cover` .

Events

When carousel works, it generated the numbers of events. You can use callback for this events to behavior with component.

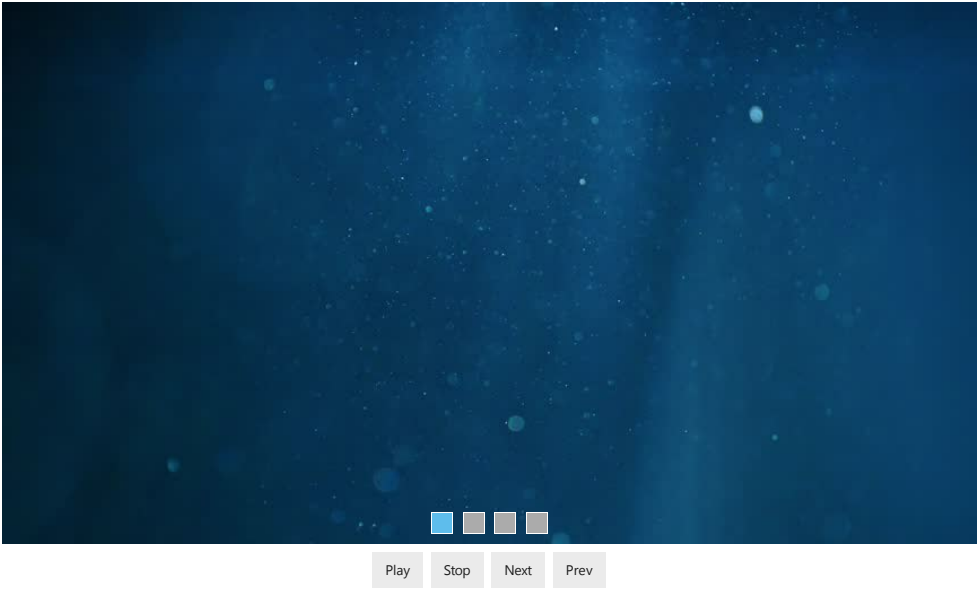
Event	Data-*	Desc
onStop(el)	<code>data-on-stop</code>	Fired when carousel stopped
onStart(el)	<code>data-on-start</code>	Fired when carousel started
onPlay(el)	<code>data-on-play</code>	Fired when carousel started when play method
onSlideClick(slide, el, event)	<code>data-on-slide-click</code>	Fired when user click on slide
onBulletClick(bullet, el, event)	<code>data-on-bullet-click</code>	Fired when user click on bullet
onMouseEnter(element, event)	<code>data-on-mouse-enter</code>	Fired when mouse entered on component
onMouseLeave(element, event)	<code>data-on-mouse-leave</code>	Fired when mouse leave the component
onNextClick(el, event)	<code>data-on-next-click</code>	Fired click next (to right) switch
onPrevClick(el, event)	<code>data-on-prev-click</code>	Fired click prev (to left) switch

Event	Data-*	Desc
onSlideShow(slide)	<code>data-on-slide-show</code>	Fired when slide show
onSlideHide(slide)	<code>data-on-slide-hide</code>	Fired when slide hide
onCarouselCreate(el)	<code>data-on-carousel-create</code>	Fired when carousel is created

Methods

Component carousel has a number of methods to manipulate component.

Method	Desc
<code>toSlide(index)</code>	Go to specific slide
<code>next()</code>	Go to next slide
<code>prev()</code>	Go to prev slide
<code>stop()</code>	Stop the carousel
<code>play()</code>	Play the carousel

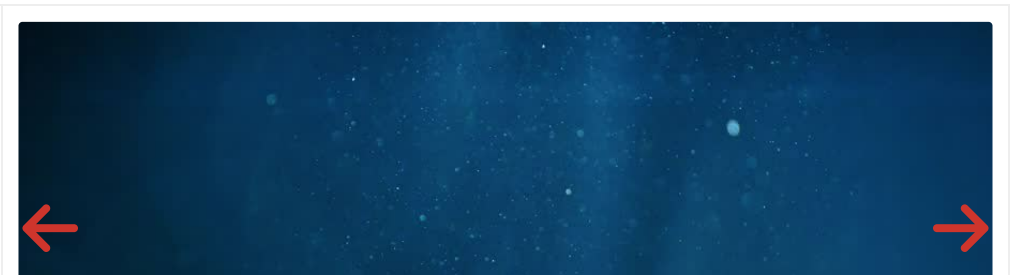


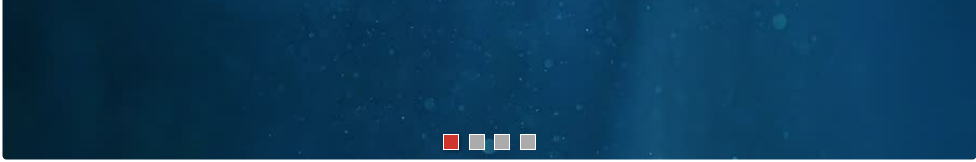
```
var car = $(element).data('carousel');
car.stop();
car.play();
car.next();
car.prev();
```

Customize

You can customise carousel with special parameters. You can set customisation parameters with a specific attributes.

Option	Data-*	Desc
controlPrev	<code>data-control-prev</code>	Icon for prev control
controlNext	<code>data-control-next</code>	Icon for next control
clsCarousel	<code>data-cls-carousel</code>	Additional class for carousel
clsSlides	<code>data-cls-slides</code>	Additional class for slides container
clsSlide	<code>data-cls-slide</code>	Additional class for slides
clsControls	<code>data-cls-controls</code>	Additional class for left, right controls
clsControlNext	<code>data-cls-control-next</code>	Additional class for next control
clsControlPrev	<code>data-cls-control-prev</code>	Additional class for prev control
clsBullets	<code>data-cls-bullets</code>	Additional class bullets
clsBullet	<code>data-cls-bullet</code>	Additional class bullet
clsBulletOn	<code>data-cls-bullet-on</code>	Additional class active bullet





```
<div data-role="carousel"
  data-height="21/9"
  data-cls-controls="fg-red"
  data-cls-bullet="bullet-big"
  data-cls-bullet-on="bg-red drop-shadow"
  data-cls-slides="rounded"
  data-control-next="<span class='mif-arrow-right'></span>"
  data-control-prev="<span class='mif-arrow-left'></span>"
  data-auto-start="true"
  data-period="3000"
  data-duration="1000">
  <div class="slide" data-cover="images/bg-1.jpg"></div>
  <div class="slide" data-cover="images/bg-2.jpg"></div>
  <div class="slide" data-cover="images/bg-3.jpg"></div>
  <div class="slide" data-cover="images/bg-4.jpg"></div>
</div>
```

