

 Search

dragend

The dragend event is fired when a drag operation is being ended (by releasing a mouse button or hitting the escape key).

General info

Bubbles	Yes
Cancelable	No
Target objects	Document , Element
Interface	DragEvent
Default Action	Varies.

Properties

Property	Type	Description
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Property	Type	Description
target Read only	EventTarget	The element where dropped.
type Read only	DOMString	The type of event.
bubbles Read only	Boolean	Whether the event normally bubbles or not
cancelable Read only	Boolean	Whether the event is cancellable or not
view Read only	WindowProxy	document.defaultView (window of the document)
detail Read only	long (float)	0.
dataTransfer	DataTransfer	The data that underlies a drag-and-drop operation, known as the drag data store. Protected mode.
currentTarget Read only	EventTarget	The node that had the dragend event listener attached.
relatedTarget Read only	EventTarget	For mouseover, mouseout, mouseenter and mouseleave events: the target of the complementary event (the mouseleave target in the case of a mouseenter event). null otherwise.
screenX Read only	long	The X coordinate of the mouse pointer in global (screen) coordinates.
screenY Read only	long	The Y coordinate of the mouse pointer in global (screen) coordinates.
clientX Read only	long	0 use clientX of <code>drop</code> event . See also: https://bugzilla.mozilla.org/show_bug.cgi?id=505521
clientY Read only	long	0

Property	Type	Description
button Read only	unsigned short	The button number that was pressed when the mouse event was fired: Left button=0, middle button=1 (if present), right button=2. For mice configured for left handed use in which the button actions are reversed the values are instead read from right to left.
buttons Read only	unsigned short	The buttons being pressed when the mouse event was fired: Left button=1, Right button=2, Middle (wheel) button=4, 4th button (typically, "Browser Back" button)=8, 5th button (typically, "Browser Forward" button)=16. If two or more buttons are pressed, returns the logical sum of the values. E.g., if Left button and Right button are pressed, returns 3 (=1 2). More info .
mozPressure Read only	float	The amount of pressure applied to a touch or tabdevice when generating the event; this value ranges between 0.0 (minimum pressure) and 1.0 (maximum pressure).
ctrlKey Read only	boolean	true if the control key was down when the event was fired. false otherwise.
shiftKey Read only	boolean	true if the shift key was down when the event was fired. false otherwise.
altKey Read only	boolean	true if the alt key was down when the event was fired. false otherwise.
metaKey Read only	boolean	true if the meta key was down when the event was fired. false otherwise.

Example

```

1  <div class="dropzone">
2    <div id="draggable" draggable="true" ondragstart="event.dataTransfer.setData
3      This div is draggable
4    </div>
5  </div>
6  <div class="dropzone"></div>
7  <div class="dropzone"></div>
8  <div class="dropzone"></div>

```



```
9
10 <style>
11     #draggable {
12         width: 200px;
13         height: 20px;
14         text-align: center;
15         background: white;
16     }
17
18     .dropzone {
19         width: 200px;
20         height: 20px;
21         background: blueviolet;
22         margin-bottom: 10px;
23         padding: 10px;
24     }
25 </style>
26
27 <script>
28     var dragged;
29
30     /* events fired on the draggable target */
31     document.addEventListener("drag", function( event ) {
32
33     }, false);
34
35     document.addEventListener("dragstart", function( event ) {
36         // store a ref. on the dragged elem
37         dragged = event.target;
38         // make it half transparent
39         event.target.style.opacity = .5;
40     }, false);
41
42     document.addEventListener("dragend", function( event ) {
43         // reset the transparency
44         event.target.style.opacity = "";
45     }, false);
46
47     /* events fired on the drop targets */
48     document.addEventListener("dragover", function( event ) {
49         // prevent default to allow drop
50         event.preventDefault();
51     }, false);
52
```

```

53 document.addEventListener("dragenter", function( event ) {
54     // highlight potential drop target when the draggable element enters it
55     if ( event.target.className == "dropzone" ) {
56         event.target.style.background = "purple";
57     }
58
59 }, false);
60
61 document.addEventListener("dragleave", function( event ) {
62     // reset background of potential drop target when the draggable element
63     if ( event.target.className == "dropzone" ) {
64         event.target.style.background = "";
65     }
66
67 }, false);
68
69 document.addEventListener("drop", function( event ) {
70     // prevent default action (open as link for some elements)
71     event.preventDefault();
72     // move dragged elem to the selected drop target
73     if ( event.target.className == "dropzone" ) {
74         event.target.style.background = "";
75         dragged.parentNode.removeChild( dragged );
76         event.target.appendChild( dragged );
77     }
78
79 }, false);
80 </script>

```

Specifications

Specification	Status	Comment
HTML Living Standard The definition of 'dragend' in that specification.	 LS Living Standard	
HTML 5.1 The definition of 'dragend' in that specification.	 REC Recommendation	Initial definition

Browser compatibility [↗](#)

We're converting our compatibility data into a machine-readable JSON format. This compatibility table still uses the old format, because we haven't yet converted the data it contains. **Find out how you can help!**

Desktop	Mobile					
Feature	Chrome	Edge	Firefox (Gecko)	Internet Explorer	Opera	Safari (WebKit)
Basic support	4 ^[2]	(Yes)	3.5 (1.9.1) ^[1]	10	12	3.1

[1] In Gecko, dragend is not dispatched if the source node is moved or removed during the drag (e.g. on drop or dragover). See [bug 460801](#).

[2] In Blink (Chrome), dragend is not dispatched if an iframe (not necessarily the source target) is involved in a DOM operation. See [bug 737691](#).

See also [↗](#)

- [drag](#)
- [dragstart](#)
- [dragend](#)
- [dragover](#)
- [dragenter](#)
- [dragleave](#)
- [dragexit](#)
- [drop](#)