Standard events

These events are defined in official Web specifications, and should be common across browsers. Each event is listed along with the interface representing the object sent to recipients of the event (so you can find information about what data is provided with each event) as well as a link to the specification or specifications that define the event.

| **Event Name** | **Event Type** | **Specification** | **Fired when...** |
| --- | --- | --- | --- |
| [abort](https://developer.mozilla.org/en-US/docs/Web/Events/abort) | [UIEvent](https://developer.mozilla.org/en-US/docs/Web/API/UIEvent) | [DOM L3](http://www.w3.org/TR/DOM-Level-3-Events/#event-type-abort) | The loading of a resource has been aborted. |
| [abort](https://developer.mozilla.org/en-US/docs/Web/Reference/Events/abort_(ProgressEvent)) | [ProgressEvent](https://developer.mozilla.org/en-US/docs/Web/API/ProgressEvent) | [Progress](http://www.w3.org/TR/progress-events/) and [XMLHttpRequest](http://www.w3.org/TR/XMLHttpRequest/#event-xhr-abort) | Progression has been terminated (not due to an error). |
| [abort](https://developer.mozilla.org/en-US/docs/Web/Reference/Events/abort_indexedDB) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [IndexedDB](http://www.w3.org/TR/IndexedDB/#database-interface) | A transaction has been aborted. |
| [afterprint](https://developer.mozilla.org/en-US/docs/Web/Events/afterprint) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [HTML5](http://www.w3.org/TR/html5/webappapis.html#printing) | The associated document has started printing or the print preview has been closed. |
| [animationend](https://developer.mozilla.org/en-US/docs/Web/Events/animationend) | [AnimationEvent](https://developer.mozilla.org/en-US/docs/Web/API/AnimationEvent) | [CSS Animations](http://www.w3.org/TR/css3-animations/#animation-events) | A [CSS animation](https://developer.mozilla.org/en-US/docs/CSS/CSS_animations) has completed. |
| [animationiteration](https://developer.mozilla.org/en-US/docs/Web/Events/animationiteration) | [AnimationEvent](https://developer.mozilla.org/en-US/docs/Web/API/AnimationEvent) | [CSS Animations](http://www.w3.org/TR/css3-animations/#animation-events) | A [CSS animation](https://developer.mozilla.org/en-US/docs/CSS/CSS_animations) is repeated. |
| [animationstart](https://developer.mozilla.org/en-US/docs/Web/Events/animationstart) | [AnimationEvent](https://developer.mozilla.org/en-US/docs/Web/API/AnimationEvent) | [CSS Animations](http://www.w3.org/TR/css3-animations/#animation-events) | A [CSS animation](https://developer.mozilla.org/en-US/docs/CSS/CSS_animations) has started. |
| [audioprocess](https://developer.mozilla.org/en-US/docs/Web/Events/audioprocess) | [AudioProcessingEvent](https://developer.mozilla.org/en-US/docs/Web/API/AudioProcessingEvent) | [Web Audio API The definition of 'audioprocess' in that specification.](https://webaudio.github.io/web-audio-api/#AudioProcessingEvent) | The input buffer of a [ScriptProcessorNode](https://developer.mozilla.org/en-US/docs/Web/API/ScriptProcessorNode) is ready to be processed. |
| [audioend](https://developer.mozilla.org/en-US/docs/Web/Events/audioend) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [Web Speech API](https://dvcs.w3.org/hg/speech-api/raw-file/tip/webspeechapi.html) | The user agent has finished capturing audio for speech recognition. |
| [audiostart](https://developer.mozilla.org/en-US/docs/Web/Events/audiostart) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [Web Speech API](https://dvcs.w3.org/hg/speech-api/raw-file/tip/webspeechapi.html) | The user agent has started to capture audio for speech recognition. |
| [beforeprint](https://developer.mozilla.org/en-US/docs/Web/Events/beforeprint) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [HTML5](http://www.w3.org/TR/html5/webappapis.html#printing) | The associated document is about to be printed or previewed for printing. |
| [beforeunload](https://developer.mozilla.org/en-US/docs/Web/Events/beforeunload) | [BeforeUnloadEvent](https://developer.mozilla.org/en-US/docs/Web/API/BeforeUnloadEvent) | [HTML5](http://www.w3.org/TR/html5/browsers.html#unloading-documents) | The window, the document and its resources are about to be unloaded. |
| [beginEvent](https://developer.mozilla.org/en-US/docs/Web/Events/beginEvent) | [TimeEvent](https://developer.mozilla.org/en-US/docs/Web/API/TimeEvent) | [SVG](http://www.w3.org/TR/SVG/interact.html#SVGEvents) | A [SMIL](https://developer.mozilla.org/en-US/docs/SVG/SVG_animation_with_SMIL) animation element begins. |
| [blocked](https://developer.mozilla.org/en-US/docs/Web/Reference/Events/blocked_indexedDB) |  | [IndexedDB](http://www.w3.org/TR/IndexedDB/#request-api) | An open connection to a database is blocking a versionchange transaction on the same database. |
| [blur](https://developer.mozilla.org/en-US/docs/Web/Events/blur) | [FocusEvent](https://developer.mozilla.org/en-US/docs/Web/API/FocusEvent) | [DOM L3](http://www.w3.org/TR/DOM-Level-3-Events/#event-type-blur) | An element has lost focus (does not bubble). |
| [boundary](https://developer.mozilla.org/en-US/docs/Web/Events/boundary) | [SpeechSynthesisEvent](https://developer.mozilla.org/en-US/docs/Web/API/SpeechSynthesisEvent) | [Web Speech API](https://dvcs.w3.org/hg/speech-api/raw-file/tip/webspeechapi.html) | The spoken utterance reaches a word or sentence boundary |
| [cached](https://developer.mozilla.org/en-US/docs/Web/Events/cached) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [Offline](http://www.w3.org/html/wg/drafts/html/master/browsers.html#offline) | The resources listed in the manifest have been downloaded, and the application is now cached. |
| [canplay](https://developer.mozilla.org/en-US/docs/Web/Events/canplay) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [HTML5 media](http://www.whatwg.org/specs/web-apps/current-work/multipage/the-video-element.html#event-media-canplay) | The user agent can play the media, but estimates that not enough data has been loaded to play the media up to its end without having to stop for further buffering of content. |
| [canplaythrough](https://developer.mozilla.org/en-US/docs/Web/Events/canplaythrough) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [HTML5 media](http://www.whatwg.org/specs/web-apps/current-work/multipage/the-video-element.html#event-media-canplaythrough) | The user agent can play the media up to its end without having to stop for further buffering of content. |
| [change](https://developer.mozilla.org/en-US/docs/Web/Events/change) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [DOM L2](http://www.w3.org/TR/DOM-Level-2-Events/events.html), [HTML5](http://www.whatwg.org/specs/web-apps/current-work/multipage/common-input-element-attributes.html#event-input-change) | The change event is fired for [<input>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/input), [<select>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/select), and [<textarea>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/textarea) elements when a change to the element's value is committed by the user. |
| [chargingchange](https://developer.mozilla.org/en-US/docs/Web/Events/chargingchange) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [Battery status](https://dvcs.w3.org/hg/dap/raw-file/tip/battery/Overview.html) | The battery begins or stops charging. |
| [chargingtimechange](https://developer.mozilla.org/en-US/docs/Web/Events/chargingtimechange) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [Battery status](https://dvcs.w3.org/hg/dap/raw-file/tip/battery/Overview.html) | The chargingTime attribute has been updated. |
| [checking](https://developer.mozilla.org/en-US/docs/Web/Events/checking) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [Offline](http://www.w3.org/html/wg/drafts/html/master/browsers.html#offline) | The user agent is checking for an update, or attempting to download the cache manifest for the first time. |
| [click](https://developer.mozilla.org/en-US/docs/Web/Events/click) | [MouseEvent](https://developer.mozilla.org/en-US/docs/Web/API/MouseEvent) | [DOM L3](http://www.w3.org/TR/DOM-Level-3-Events/#event-type-click) | A pointing device button has been pressed and released on an element. |
| [close](https://developer.mozilla.org/en-US/docs/Web/Reference/Events/close_websocket) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [WebSocket](http://www.w3.org/TR/websockets/) | A WebSocket connection has been closed. |
| [complete](https://developer.mozilla.org/en-US/docs/Web/Reference/Events/complete_indexedDB) |  | [IndexedDB](http://www.w3.org/TR/IndexedDB/#transaction) | A transaction successfully completed. |
| [complete](https://developer.mozilla.org/en-US/docs/Web/Events/complete) | [OfflineAudioCompletionEvent](https://developer.mozilla.org/en-US/docs/Web/API/OfflineAudioCompletionEvent) | [Web Audio API The definition of 'OfflineAudioCompletionEvent' in that specification.](https://webaudio.github.io/web-audio-api/#OfflineAudioCompletionEvent-section) | The rendering of an [OfflineAudioContext](https://developer.mozilla.org/en-US/docs/Web/API/OfflineAudioContext) is terminated. |
| [compositionend](https://developer.mozilla.org/en-US/docs/Web/Events/compositionend) | [CompositionEvent](https://developer.mozilla.org/en-US/docs/Web/API/CompositionEvent) | [DOM L3](http://www.w3.org/TR/DOM-Level-3-Events/#event-type-compositionend) | The composition of a passage of text has been completed or canceled. |
| [compositionstart](https://developer.mozilla.org/en-US/docs/Web/Events/compositionstart) | [CompositionEvent](https://developer.mozilla.org/en-US/docs/Web/API/CompositionEvent) | [DOM L3](http://www.w3.org/TR/DOM-Level-3-Events/#event-type-compositionstart) | The composition of a passage of text is prepared (similar to keydown for a keyboard input, but works with other inputs such as speech recognition). |
| [compositionupdate](https://developer.mozilla.org/en-US/docs/Web/Events/compositionupdate) | [CompositionEvent](https://developer.mozilla.org/en-US/docs/Web/API/CompositionEvent) | [DOM L3](http://www.w3.org/TR/DOM-Level-3-Events/#event-type-compositionupdate) | A character is added to a passage of text being composed. |
| [contextmenu](https://developer.mozilla.org/en-US/docs/Web/Events/contextmenu) | [MouseEvent](https://developer.mozilla.org/en-US/docs/Web/API/MouseEvent) | [HTML5](https://html.spec.whatwg.org/multipage/forms.html#context-menus) | The right button of the mouse is clicked (before the context menu is displayed). |
| [copy](https://developer.mozilla.org/en-US/docs/Web/Events/copy) | [ClipboardEvent](https://developer.mozilla.org/en-US/docs/Web/API/ClipboardEvent) | [Clipboard](http://www.w3.org/TR/clipboard-apis/#copy-event) | The text selection has been added to the clipboard. |
| [cut](https://developer.mozilla.org/en-US/docs/Web/Events/cut) | [ClipboardEvent](https://developer.mozilla.org/en-US/docs/Web/API/ClipboardEvent) | [Clipboard](http://www.w3.org/TR/clipboard-apis/#cut-event) | The text selection has been removed from the document and added to the clipboard. |
| [dblclick](https://developer.mozilla.org/en-US/docs/Web/Events/dblclick) | [MouseEvent](https://developer.mozilla.org/en-US/docs/Web/API/MouseEvent) | [DOM L3](http://www.w3.org/TR/DOM-Level-3-Events/#event-type-dblclick) | A pointing device button is clicked twice on an element. |
| [devicechange](https://developer.mozilla.org/en-US/docs/Web/Events/devicechange) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [Media Capture and Streams](http://w3c.github.io/mediacapture-main/) | A media device such as a camera, microphone, or speaker is connected or removed from the system. |
| [devicelight](https://developer.mozilla.org/en-US/docs/Web/Events/devicelight) | [DeviceLightEvent](https://developer.mozilla.org/en-US/docs/Web/API/DeviceLightEvent) | [Ambient Light Events](http://dvcs.w3.org/hg/dap/raw-file/tip/light/Overview.html) | Fresh data is available from a light sensor. |
| [devicemotion](https://developer.mozilla.org/en-US/docs/Web/Events/devicemotion) | [DeviceMotionEvent](https://developer.mozilla.org/en-US/docs/Web/API/DeviceMotionEvent) | [Device Orientation Events](http://dev.w3.org/geo/api/spec-source-orientation.html) | Fresh data is available from a motion sensor. |
| [deviceorientation](https://developer.mozilla.org/en-US/docs/Web/Events/deviceorientation) | [DeviceOrientationEvent](https://developer.mozilla.org/en-US/docs/Web/API/DeviceOrientationEvent) | [Device Orientation Events](http://dev.w3.org/geo/api/spec-source-orientation.html) | Fresh data is available from an orientation sensor. |
| [deviceproximity](https://developer.mozilla.org/en-US/docs/Web/Events/deviceproximity) | [DeviceProximityEvent](https://developer.mozilla.org/en-US/docs/Web/API/DeviceProximityEvent) | [Proximity Events](http://dvcs.w3.org/hg/dap/raw-file/tip/proximity/Overview.html) | Fresh data is available from a proximity sensor (indicates an approximated distance between the device and a nearby object). |
| [dischargingtimechange](https://developer.mozilla.org/en-US/docs/Web/Events/dischargingtimechange) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [Battery status](https://dvcs.w3.org/hg/dap/raw-file/tip/battery/Overview.html) | The dischargingTime attribute has been updated. |
| DOMActivate | [UIEvent](https://developer.mozilla.org/en-US/docs/Web/API/UIEvent) | [DOM L3](http://www.w3.org/TR/DOM-Level-3-Events/#event-type-DOMActivate) | A button, link or state changing element is activated (use [click](https://developer.mozilla.org/en-US/docs/Web/Events/click) instead). |
| [DOMAttributeNameChanged](https://developer.mozilla.org/en-US/docs/DOM/Mutation_events) | [MutationNameEvent](https://developer.mozilla.org/en-US/docs/Web/API/MutationNameEvent) | [DOM L3](http://www.w3.org/TR/2011/WD-DOM-Level-3-Events-20110531/#event-type-DOMAttributeNameChanged) Removed | The name of an attribute changed (use [mutation observers](https://developer.mozilla.org/en-US/docs/DOM/MutationObserver) instead). |
| [DOMAttrModified](https://developer.mozilla.org/en-US/docs/DOM/Mutation_events) | [MutationEvent](https://developer.mozilla.org/en-US/docs/Web/API/MutationEvent) | [DOM L3](http://www.w3.org/TR/DOM-Level-3-Events/#event-type-DOMAttrModified) | The value of an attribute has been modified (use [mutation observers](https://developer.mozilla.org/en-US/docs/DOM/MutationObserver) instead). |
| [DOMCharacterDataModified](https://developer.mozilla.org/en-US/docs/DOM/Mutation_events) | [MutationEvent](https://developer.mozilla.org/en-US/docs/Web/API/MutationEvent) | [DOM L3](http://www.w3.org/TR/DOM-Level-3-Events/#event-type-DOMCharacterDataModified) | A text or another [CharacterData](https://developer.mozilla.org/en-US/docs/DOM/CharacterData) has changed (use [mutation observers](https://developer.mozilla.org/en-US/docs/DOM/MutationObserver) instead). |
| [DOMContentLoaded](https://developer.mozilla.org/en-US/docs/Web/Events/DOMContentLoaded) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [HTML5](http://www.whatwg.org/specs/web-apps/current-work/multipage/the-end.html#the-end) | The document has finished loading (but not its dependent resources). |
| [DOMElementNameChanged](https://developer.mozilla.org/en-US/docs/DOM/Mutation_events) | [MutationNameEvent](https://developer.mozilla.org/en-US/docs/Web/API/MutationNameEvent) | [DOM L3](http://www.w3.org/TR/2011/WD-DOM-Level-3-Events-20110531/#event-type-DOMElementNameChanged) Removed | The name of an element changed (use [mutation observers](https://developer.mozilla.org/en-US/docs/DOM/MutationObserver) instead). |
| DOMFocusIn  Unimplemented | [FocusEvent](https://developer.mozilla.org/en-US/docs/Web/API/FocusEvent) | [DOM L3](http://www.w3.org/TR/DOM-Level-3-Events/#event-type-DOMFocusIn) | An element has received focus (use [focus](https://developer.mozilla.org/en-US/docs/Web/Events/focus) or [focusin](https://developer.mozilla.org/en-US/docs/Web/Events/focusin) instead). |
| DOMFocusOut  Unimplemented | [FocusEvent](https://developer.mozilla.org/en-US/docs/Web/API/FocusEvent) | [DOM L3](http://www.w3.org/TR/DOM-Level-3-Events/#event-type-DOMFocusOut) | An element has lost focus (use [blur](https://developer.mozilla.org/en-US/docs/Web/Events/blur) or [focusout](https://developer.mozilla.org/en-US/docs/Web/Events/focusout) instead). |
| [DOMNodeInserted](https://developer.mozilla.org/en-US/docs/DOM/Mutation_events) | [MutationEvent](https://developer.mozilla.org/en-US/docs/Web/API/MutationEvent) | [DOM L3](http://www.w3.org/TR/DOM-Level-3-Events/#event-type-DOMNodeInserted) | A node has been added as a child of another node (use [mutation observers](https://developer.mozilla.org/en-US/docs/DOM/MutationObserver) instead). |
| [DOMNodeInsertedIntoDocument](https://developer.mozilla.org/en-US/docs/DOM/Mutation_events) | [MutationEvent](https://developer.mozilla.org/en-US/docs/Web/API/MutationEvent) | [DOM L3](http://www.w3.org/TR/DOM-Level-3-Events/#event-type-DOMNodeInsertedIntoDocument) | A node has been inserted into the document (use [mutation observers](https://developer.mozilla.org/en-US/docs/DOM/MutationObserver) instead). |
| [DOMNodeRemoved](https://developer.mozilla.org/en-US/docs/DOM/Mutation_events) | [MutationEvent](https://developer.mozilla.org/en-US/docs/Web/API/MutationEvent) | [DOM L3](http://www.w3.org/TR/DOM-Level-3-Events/#event-type-DOMNodeRemoved) | A node has been removed from its parent node (use [mutation observers](https://developer.mozilla.org/en-US/docs/DOM/MutationObserver) instead). |
| [DOMNodeRemovedFromDocument](https://developer.mozilla.org/en-US/docs/DOM/Mutation_events) | [MutationEvent](https://developer.mozilla.org/en-US/docs/Web/API/MutationEvent) | [DOM L3](http://www.w3.org/TR/DOM-Level-3-Events/#event-type-DOMNodeRemovedFromDocument) | A node has been removed from the document (use [mutation observers](https://developer.mozilla.org/en-US/docs/DOM/MutationObserver) instead). |
| [DOMSubtreeModified](https://developer.mozilla.org/en-US/docs/DOM/Mutation_events) | [MutationEvent](https://developer.mozilla.org/en-US/docs/Web/API/MutationEvent) | [DOM L3](http://www.w3.org/TR/DOM-Level-3-Events/#event-type-DOMSubtreeModified) | A change happened in the document (use [mutation observers](https://developer.mozilla.org/en-US/docs/DOM/MutationObserver) instead). |
| [downloading](https://developer.mozilla.org/en-US/docs/Web/Events/downloading) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [Offline](http://www.w3.org/html/wg/drafts/html/master/browsers.html#offline) | The user agent has found an update and is fetching it, or is downloading the resources listed by the cache manifest for the first time. |
| [drag](https://developer.mozilla.org/en-US/docs/Web/Events/drag) | [DragEvent](https://developer.mozilla.org/en-US/docs/Web/API/DragEvent) | [HTML5](http://www.whatwg.org/specs/web-apps/current-work/multipage/dnd.html#event-drag) | An element or text selection is being dragged (every 350ms). |
| [dragend](https://developer.mozilla.org/en-US/docs/Web/Events/dragend) | [DragEvent](https://developer.mozilla.org/en-US/docs/Web/API/DragEvent) | [HTML5](http://www.whatwg.org/specs/web-apps/current-work/multipage/dnd.html#event-dragend) | A drag operation is being ended (by releasing a mouse button or hitting the escape key). |
| [dragenter](https://developer.mozilla.org/en-US/docs/Web/Events/dragenter) | [DragEvent](https://developer.mozilla.org/en-US/docs/Web/API/DragEvent) | [HTML5](http://www.whatwg.org/specs/web-apps/current-work/multipage/dnd.html#event-dragenter) | A dragged element or text selection enters a valid drop target. |
| [dragleave](https://developer.mozilla.org/en-US/docs/Web/Events/dragleave) | [DragEvent](https://developer.mozilla.org/en-US/docs/Web/API/DragEvent) | [HTML5](http://www.whatwg.org/specs/web-apps/current-work/multipage/dnd.html#event-dragleave) | A dragged element or text selection leaves a valid drop target. |
| [dragover](https://developer.mozilla.org/en-US/docs/Web/Events/dragover) | [DragEvent](https://developer.mozilla.org/en-US/docs/Web/API/DragEvent) | [HTML5](http://www.whatwg.org/specs/web-apps/current-work/multipage/dnd.html#event-dragover) | An element or text selection is being dragged over a valid drop target (every 350ms). |
| [dragstart](https://developer.mozilla.org/en-US/docs/Web/Events/dragstart) | [DragEvent](https://developer.mozilla.org/en-US/docs/Web/API/DragEvent) | [HTML5](http://www.whatwg.org/specs/web-apps/current-work/multipage/dnd.html#event-dragstart) | The user starts dragging an element or text selection. |
| [drop](https://developer.mozilla.org/en-US/docs/Web/Events/drop) | [DragEvent](https://developer.mozilla.org/en-US/docs/Web/API/DragEvent) | [HTML5](http://www.whatwg.org/specs/web-apps/current-work/multipage/dnd.html#event-drop) | An element is dropped on a valid drop target. |
| [durationchange](https://developer.mozilla.org/en-US/docs/Web/Events/durationchange) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [HTML5 media](http://www.whatwg.org/specs/web-apps/current-work/multipage/the-video-element.html#event-media-durationchange) | The duration attribute has been updated. |
| [emptied](https://developer.mozilla.org/en-US/docs/Web/Events/emptied) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [HTML5 media](http://www.whatwg.org/specs/web-apps/current-work/multipage/the-video-element.html#event-media-emptied) | The media has become empty; for example, this event is sent if the media has already been loaded (or partially loaded), and the [load()](https://developer.mozilla.org/en-US/docs/XPCOM_Interface_Reference/NsIDOMHTMLMediaElement) method is called to reload it. |
| [end](https://developer.mozilla.org/en-US/docs/Web/Events/end_(SpeechRecognition)) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [Web Speech API](https://dvcs.w3.org/hg/speech-api/raw-file/tip/webspeechapi.html) | The speech recognition service has disconnected. |
| [end](https://developer.mozilla.org/en-US/docs/Web/Events/end_(SpeechSynthesis)) | [SpeechSynthesisEvent](https://developer.mozilla.org/en-US/docs/Web/API/SpeechSynthesisEvent) | [Web Speech API](https://dvcs.w3.org/hg/speech-api/raw-file/tip/webspeechapi.html) | The utterance has finished being spoken. |
| [ended](https://developer.mozilla.org/en-US/docs/Web/Events/ended) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [HTML5 media](http://www.whatwg.org/specs/web-apps/current-work/multipage/the-video-element.html#event-media-ended) | Playback has stopped because the end of the media was reached. |
| [ended](https://developer.mozilla.org/en-US/docs/Web/Events/ended_(Web_Audio)) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [Web Audio API](https://webaudio.github.io/web-audio-api/) | Playback has stopped because the end of the media was reached. |
| [endEvent](https://developer.mozilla.org/en-US/docs/Web/Events/endEvent) | [TimeEvent](https://developer.mozilla.org/en-US/docs/Web/API/TimeEvent) | [SVG](http://www.w3.org/TR/SVG/interact.html#SVGEvents) | A [SMIL](https://developer.mozilla.org/en-US/docs/SVG/SVG_animation_with_SMIL) animation element ends. |
| [error](https://developer.mozilla.org/en-US/docs/Web/Events/error) | [UIEvent](https://developer.mozilla.org/en-US/docs/Web/API/UIEvent) | [DOM L3](http://www.w3.org/TR/DOM-Level-3-Events/#event-type-error) | A resource failed to load. |
| [error](https://developer.mozilla.org/en-US/docs/Web/Events/error) | [ProgressEvent](https://developer.mozilla.org/en-US/docs/Web/API/ProgressEvent) | [Progress](http://www.w3.org/TR/progress-events/) and [XMLHttpRequest](http://www.w3.org/TR/XMLHttpRequest/#event-xhr-error) | Progression has failed. |
| [error](https://developer.mozilla.org/en-US/docs/Web/Events/error) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [Offline](http://www.w3.org/html/wg/drafts/html/master/browsers.html#offline) | An error occurred while downloading the cache manifest or updating the content of the application. |
| [error](https://developer.mozilla.org/en-US/docs/Web/Events/error) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [WebSocket](http://www.w3.org/TR/websockets/) | A WebSocket connection has been closed with prejudice (some data couldn't be sent for example). |
| [error](https://developer.mozilla.org/en-US/docs/Web/Events/error) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [Server Sent Events](http://dev.w3.org/html5/eventsource/) | An event source connection has been failed. |
| [error](https://developer.mozilla.org/en-US/docs/Web/Events/error) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [IndexedDB](http://www.w3.org/TR/IndexedDB/#request-api) | A request caused an error and failed. |
| [error](https://developer.mozilla.org/en-US/docs/Web/Events/error_(SpeechRecognitionError)) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [Web Speech API](https://dvcs.w3.org/hg/speech-api/raw-file/tip/webspeechapi.html) | A speech recognition error occurs. |
| [error](https://developer.mozilla.org/en-US/docs/Web/Events/error_(SpeechSynthesisError)) | [SpeechSynthesisErrorEvent](https://developer.mozilla.org/en-US/docs/Web/API/SpeechSynthesisErrorEvent) | [Web Speech API](https://dvcs.w3.org/hg/speech-api/raw-file/tip/webspeechapi.html) | An error occurs that prevents the utterance from being successfully spoken. |
| [focus](https://developer.mozilla.org/en-US/docs/Web/Events/focus) | [FocusEvent](https://developer.mozilla.org/en-US/docs/Web/API/FocusEvent) | [DOM L3](http://www.w3.org/TR/DOM-Level-3-Events/#event-type-focus) | An element has received focus (does not bubble). |
| [focusin](https://developer.mozilla.org/en-US/docs/Web/Events/focusin)Unimplemented (see [bug 687787](https://bugzilla.mozilla.org/show_bug.cgi?id=687787)) | [FocusEvent](https://developer.mozilla.org/en-US/docs/Web/API/FocusEvent) | [DOM L3](http://www.w3.org/TR/DOM-Level-3-Events/#event-type-focusIn) | An element is about to receive focus (bubbles). |
| [focusout](https://developer.mozilla.org/en-US/docs/Web/Events/focusout)Unimplemented (see [bug 687787](https://bugzilla.mozilla.org/show_bug.cgi?id=687787)) | [FocusEvent](https://developer.mozilla.org/en-US/docs/Web/API/FocusEvent) | [DOM L3](http://www.w3.org/TR/DOM-Level-3-Events/#event-type-focusout) | An element is about to lose focus (bubbles). |
| [fullscreenchange](https://developer.mozilla.org/en-US/docs/Web/Events/fullscreenchange) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [Full Screen](https://dvcs.w3.org/hg/fullscreen/raw-file/tip/Overview.html#api) | An element was turned to fullscreen mode or back to normal mode. |
| [fullscreenerror](https://developer.mozilla.org/en-US/docs/Web/Events/fullscreenerror) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [Full Screen](https://dvcs.w3.org/hg/fullscreen/raw-file/tip/Overview.html#api) | It was impossible to switch to fullscreen mode for technical reasons or because the permission was denied. |
| [gamepadconnected](https://developer.mozilla.org/en-US/docs/Web/Events/gamepadconnected) | [GamepadEvent](https://developer.mozilla.org/en-US/docs/Web/API/GamepadEvent) | [Gamepad](http://www.w3.org/TR/gamepad/#the-gamepadconnected-event) | A gamepad has been connected. |
| [gamepaddisconnected](https://developer.mozilla.org/en-US/docs/Web/Events/gamepaddisconnected) | [GamepadEvent](https://developer.mozilla.org/en-US/docs/Web/API/GamepadEvent) | [Gamepad](http://www.w3.org/TR/gamepad/#the-gamepaddisconnected-event) | A gamepad has been disconnected. |
| [gotpointercapture](https://developer.mozilla.org/en-US/docs/Web/Events/gotpointercapture) | [PointerEvent](https://developer.mozilla.org/en-US/docs/Web/API/PointerEvent) | [Pointer Events](http://www.w3.org/TR/pointerevents/#the-gotpointercapture-event) | Element receives pointer capture. |
| [hashchange](https://developer.mozilla.org/en-US/docs/Web/Events/hashchange) | [HashChangeEvent](https://developer.mozilla.org/en-US/docs/Web/API/HashChangeEvent) | [HTML5](http://www.whatwg.org/specs/web-apps/current-work/multipage/history.html#event-hashchange) | The fragment identifier of the URL has changed (the part of the URL after the #). |
| [lostpointercapture](https://developer.mozilla.org/en-US/docs/Web/Events/lostpointercapture) | [PointerEvent](https://developer.mozilla.org/en-US/docs/Web/API/PointerEvent) | [Pointer Events](http://www.w3.org/TR/pointerevents/#the-lostpointercapture-event) | Element lost pointer capture. |
| [input](https://developer.mozilla.org/en-US/docs/Web/Events/input) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [HTML5](http://www.w3.org/TR/html5/forms.html#common-event-behaviors) | The value of an element changes or the content of an element with the attribute [contenteditable](https://developer.mozilla.org/en-US/docs/DOM/Element.contentEditable) is modified. |
| [invalid](https://developer.mozilla.org/en-US/docs/Web/Events/invalid) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [HTML5](http://www.whatwg.org/specs/web-apps/current-work/multipage/association-of-controls-and-forms.html#constraint-validation) | A submittable element has been checked and doesn't satisfy its constraints. |
| [keydown](https://developer.mozilla.org/en-US/docs/Web/Events/keydown) | [KeyboardEvent](https://developer.mozilla.org/en-US/docs/Web/API/KeyboardEvent) | [DOM L3](http://www.w3.org/TR/DOM-Level-3-Events/#event-type-keydown) | A key is pressed down. |
| [keypress](https://developer.mozilla.org/en-US/docs/Web/Events/keypress) | [KeyboardEvent](https://developer.mozilla.org/en-US/docs/Web/API/KeyboardEvent) | [DOM L3](http://www.w3.org/TR/DOM-Level-3-Events/#event-type-keypress) | A key is pressed down and that key normally produces a character value (use input instead). |
| [keyup](https://developer.mozilla.org/en-US/docs/Web/Events/keyup) | [KeyboardEvent](https://developer.mozilla.org/en-US/docs/Web/API/KeyboardEvent) | [DOM L3](http://www.w3.org/TR/DOM-Level-3-Events/#event-type-keyup) | A key is released. |
| [languagechange](https://developer.mozilla.org/en-US/docs/Web/Events/languagechange) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [HTML5.1 The definition of 'NavigatorLanguage.languages' in that specification.](http://www.w3.org/html/wg/drafts/html/master/#dom-navigator-languages) | The user's preferred languages have changed. |
| [levelchange](https://developer.mozilla.org/en-US/docs/Web/Events/levelchange) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [Battery status](https://dvcs.w3.org/hg/dap/raw-file/tip/battery/Overview.html) | The level attribute has been updated. |
| [load](https://developer.mozilla.org/en-US/docs/Web/Events/load) | [UIEvent](https://developer.mozilla.org/en-US/docs/Web/API/UIEvent) | [DOM L3](http://www.w3.org/TR/DOM-Level-3-Events/#event-type-load) | A resource and its dependent resources have finished loading. |
| [load](https://developer.mozilla.org/en-US/docs/Web/Reference/Events/load_(ProgressEvent)) | [ProgressEvent](https://developer.mozilla.org/en-US/docs/Web/API/ProgressEvent) | [Progress](http://www.w3.org/TR/progress-events/) and [XMLHttpRequest](http://www.w3.org/TR/XMLHttpRequest/#event-xhr-load) | Progression has been successful. |
| [loadeddata](https://developer.mozilla.org/en-US/docs/Web/Events/loadeddata) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [HTML5 media](http://www.whatwg.org/specs/web-apps/current-work/multipage/the-video-element.html#event-media-loadeddata) | The first frame of the media has finished loading. |
| [loadedmetadata](https://developer.mozilla.org/en-US/docs/Web/Events/loadedmetadata) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [HTML5 media](http://www.whatwg.org/specs/web-apps/current-work/multipage/the-video-element.html#event-media-loadedmetadata) | The metadata has been loaded. |
| [loadend](https://developer.mozilla.org/en-US/docs/Web/Events/loadend) | [ProgressEvent](https://developer.mozilla.org/en-US/docs/Web/API/ProgressEvent) | [Progress](http://www.w3.org/TR/progress-events/) and [XMLHttpRequest](http://www.w3.org/TR/XMLHttpRequest/#event-xhr-loadend) | Progress has stopped (after "error", "abort" or "load" have been dispatched). |
| [loadstart](https://developer.mozilla.org/en-US/docs/Web/Events/loadstart) | [ProgressEvent](https://developer.mozilla.org/en-US/docs/Web/API/ProgressEvent) | [Progress](http://www.w3.org/TR/progress-events/) and [XMLHttpRequest](http://www.w3.org/TR/XMLHttpRequest/#event-xhr-loadstart) | Progress has begun. |
| [mark](https://developer.mozilla.org/en-US/docs/Web/Events/mark) | [SpeechSynthesisEvent](https://developer.mozilla.org/en-US/docs/Web/API/SpeechSynthesisEvent) | [Web Speech API](https://dvcs.w3.org/hg/speech-api/raw-file/tip/webspeechapi.html) | The spoken utterance reaches a named SSML "mark" tag. |
| [message](https://developer.mozilla.org/en-US/docs/Web/Reference/Events/message_websocket) | [MessageEvent](https://developer.mozilla.org/en-US/docs/Web/API/MessageEvent) | [WebSocket](http://www.w3.org/TR/websockets/) | A message is received through a WebSocket. |
| [message](https://developer.mozilla.org/en-US/docs/Web/Reference/Events/message_webworker) | [MessageEvent](https://developer.mozilla.org/en-US/docs/Web/API/MessageEvent) | [Web Workers](http://www.w3.org/TR/workers/#communicating-with-a-dedicated-worker) | A message is received from a Web Worker. |
| [message](https://developer.mozilla.org/en-US/docs/Web/Reference/Events/message_webmessaging) | [MessageEvent](https://developer.mozilla.org/en-US/docs/Web/API/MessageEvent) | [Web Messaging](http://www.w3.org/TR/webmessaging/) | A message is received from a child (i)frame or a parent window. |
| [message](https://developer.mozilla.org/en-US/docs/Web/Reference/Events/message_serversentevents) | [MessageEvent](https://developer.mozilla.org/en-US/docs/Web/API/MessageEvent) | [Server Sent Events](http://dev.w3.org/html5/eventsource/) | A message is received through an event source. |
| [message](https://developer.mozilla.org/en-US/docs/Web/Events/message_(ServiceWorker)) | [ServiceWorkerMessageEvent](https://developer.mozilla.org/en-US/docs/Web/API/ServiceWorkerMessageEvent)or [ExtendableMessageEvent](https://developer.mozilla.org/en-US/docs/Web/API/ExtendableMessageEvent), depending on context. | [Service Workers](https://developer.mozilla.org/en-US/docs/Web/API/Service_Worker_API) | A message is received from a service worker, or a message is received in a service worker from another context. |
| [mousedown](https://developer.mozilla.org/en-US/docs/Web/Events/mousedown) | [MouseEvent](https://developer.mozilla.org/en-US/docs/Web/API/MouseEvent) | [DOM L3](http://www.w3.org/TR/DOM-Level-3-Events/#event-type-mousedown) | A pointing device button (usually a mouse) is pressed on an element. |
| [mouseenter](https://developer.mozilla.org/en-US/docs/Web/Events/mouseenter) | [MouseEvent](https://developer.mozilla.org/en-US/docs/Web/API/MouseEvent) | [DOM L3](http://www.w3.org/TR/DOM-Level-3-Events/#event-type-mouseenter) | A pointing device is moved onto the element that has the listener attached. |
| [mouseleave](https://developer.mozilla.org/en-US/docs/Web/Events/mouseleave) | [MouseEvent](https://developer.mozilla.org/en-US/docs/Web/API/MouseEvent) | [DOM L3](http://www.w3.org/TR/DOM-Level-3-Events/#event-type-mouseleave) | A pointing device is moved off the element that has the listener attached. |
| [mousemove](https://developer.mozilla.org/en-US/docs/Web/Events/mousemove) | [MouseEvent](https://developer.mozilla.org/en-US/docs/Web/API/MouseEvent) | [DOM L3](http://www.w3.org/TR/DOM-Level-3-Events/#event-type-mousemove) | A pointing device is moved over an element. |
| [mouseout](https://developer.mozilla.org/en-US/docs/Web/Events/mouseout) | [MouseEvent](https://developer.mozilla.org/en-US/docs/Web/API/MouseEvent) | [DOM L3](http://www.w3.org/TR/DOM-Level-3-Events/#event-type-mouseout) | A pointing device is moved off the element that has the listener attached or off one of its children. |
| [mouseover](https://developer.mozilla.org/en-US/docs/Web/Events/mouseover) | [MouseEvent](https://developer.mozilla.org/en-US/docs/Web/API/MouseEvent) | [DOM L3](http://www.w3.org/TR/DOM-Level-3-Events/#event-type-mouseover) | A pointing device is moved onto the element that has the listener attached or onto one of its children. |
| [mouseup](https://developer.mozilla.org/en-US/docs/Web/Events/mouseup) | [MouseEvent](https://developer.mozilla.org/en-US/docs/Web/API/MouseEvent) | [DOM L3](http://www.w3.org/TR/DOM-Level-3-Events/#event-type-mouseup) | A pointing device button is released over an element. |
| [nomatch](https://developer.mozilla.org/en-US/docs/Web/Events/nomatch) | [SpeechRecognitionEvent](https://developer.mozilla.org/en-US/docs/Web/API/SpeechRecognitionEvent) | [Web Speech API](https://dvcs.w3.org/hg/speech-api/raw-file/tip/webspeechapi.html) | The speech recognition service returns a final result with no significant recognition. |
| [notificationclick](https://developer.mozilla.org/en-US/docs/Web/Events/notificationclick) | [NotificationEvent](https://developer.mozilla.org/en-US/docs/Web/API/NotificationEvent) | [Notifications API The definition of 'onnotificationclick' in that specification.](https://notifications.spec.whatwg.org/#dom-serviceworkerglobalscope-onnotificationclick) | A system notification spawned by [ServiceWorkerRegistration.showNotification()](https://developer.mozilla.org/en-US/docs/Web/API/ServiceWorkerRegistration/showNotification) has been clicked. |
| [noupdate](https://developer.mozilla.org/en-US/docs/Web/Events/noupdate) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [Offline](http://www.w3.org/html/wg/drafts/html/master/browsers.html#offline) | The manifest hadn't changed. |
| [obsolete](https://developer.mozilla.org/en-US/docs/Web/Events/obsolete) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [Offline](http://www.w3.org/html/wg/drafts/html/master/browsers.html#offline) | The manifest was found to have become a 404 or 410 page, so the application cache is being deleted. |
| [offline](https://developer.mozilla.org/en-US/docs/Web/Events/offline) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [HTML5 offline](http://www.whatwg.org/specs/web-apps/current-work/multipage/offline.html#event-offline) | The browser has lost access to the network. |
| [online](https://developer.mozilla.org/en-US/docs/Web/Events/online) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [HTML5 offline](http://www.whatwg.org/specs/web-apps/current-work/multipage/offline.html#event-online) | The browser has gained access to the network (but particular websites might be unreachable). |
| [open](https://developer.mozilla.org/en-US/docs/Web/Reference/Events/open_websocket) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [WebSocket](http://www.w3.org/TR/websockets/) | A WebSocket connection has been established. |
| [open](https://developer.mozilla.org/en-US/docs/Web/Reference/Events/open_serversentevents) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [Server Sent Events](http://dev.w3.org/html5/eventsource/) | An event source connection has been established. |
| [orientationchange](https://developer.mozilla.org/en-US/docs/Web/Events/orientationchange) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [Screen Orientation](http://www.w3.org/TR/screen-orientation/) | The orientation of the device (portrait/landscape) has changed |
| [pagehide](https://developer.mozilla.org/en-US/docs/Web/Events/pagehide) | [PageTransitionEvent](https://developer.mozilla.org/en-US/docs/Web/API/PageTransitionEvent) | [HTML5](http://www.whatwg.org/specs/web-apps/current-work/multipage/history.html#event-pagehide) | A session history entry is being traversed from. |
| [pageshow](https://developer.mozilla.org/en-US/docs/Web/Events/pageshow) | [PageTransitionEvent](https://developer.mozilla.org/en-US/docs/Web/API/PageTransitionEvent) | [HTML5](http://www.whatwg.org/specs/web-apps/current-work/multipage/history.html#event-pageshow) | A session history entry is being traversed to. |
| [paste](https://developer.mozilla.org/en-US/docs/Web/Events/paste) | [ClipboardEvent](https://developer.mozilla.org/en-US/docs/Web/API/ClipboardEvent) | [Clipboard](http://www.w3.org/TR/clipboard-apis/#paste-event) | Data has been transferred from the system clipboard to the document. |
| [pause](https://developer.mozilla.org/en-US/docs/Web/Events/pause) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [HTML5 media](http://www.whatwg.org/specs/web-apps/current-work/multipage/the-video-element.html#event-media-pause) | Playback has been paused. |
| [pause](https://developer.mozilla.org/en-US/docs/Web/Events/pause_(SpeechSynthesis)) | [SpeechSynthesisEvent](https://developer.mozilla.org/en-US/docs/Web/API/SpeechSynthesisEvent) | [Web Speech API](https://dvcs.w3.org/hg/speech-api/raw-file/tip/webspeechapi.html) | The utterance is paused part way through. |
| [pointercancel](https://developer.mozilla.org/en-US/docs/Web/Events/pointercancel) | [PointerEvent](https://developer.mozilla.org/en-US/docs/Web/API/PointerEvent) | [Pointer Events](http://www.w3.org/TR/pointerevents/#the-pointercancel-event) | The pointer is unlikely to produce any more events. |
| [pointerdown](https://developer.mozilla.org/en-US/docs/Web/Events/pointerdown) | [PointerEvent](https://developer.mozilla.org/en-US/docs/Web/API/PointerEvent) | [Pointer Events](http://www.w3.org/TR/pointerevents/#the-pointerdown-event) | The pointer enters the active buttons state. |
| [pointerenter](https://developer.mozilla.org/en-US/docs/Web/Events/pointerenter) | [PointerEvent](https://developer.mozilla.org/en-US/docs/Web/API/PointerEvent) | [Pointer Events](http://www.w3.org/TR/pointerevents/#the-pointerenter-event) | Pointing device is moved inside the hit-testing boundary. |
| [pointerleave](https://developer.mozilla.org/en-US/docs/Web/Events/pointerleave) | [PointerEvent](https://developer.mozilla.org/en-US/docs/Web/API/PointerEvent) | [Pointer Events](http://www.w3.org/TR/pointerevents/#the-pointerleave-event) | Pointing device is moved out of the hit-testing boundary. |
| [pointerlockchange](https://developer.mozilla.org/en-US/docs/Web/Events/pointerlockchange) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [Pointer Lock](http://www.w3.org/TR/pointerlock/#pointerlockchange-and-pointerlockerror-events) | The pointer was locked or released. |
| [pointerlockerror](https://developer.mozilla.org/en-US/docs/Web/Events/pointerlockerror) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [Pointer Lock](http://www.w3.org/TR/pointerlock/#pointerlockchange-and-pointerlockerror-events) | It was impossible to lock the pointer for technical reasons or because the permission was denied. |
| [pointermove](https://developer.mozilla.org/en-US/docs/Web/Events/pointermove) | [PointerEvent](https://developer.mozilla.org/en-US/docs/Web/API/PointerEvent) | [Pointer Events](http://www.w3.org/TR/pointerevents/#the-pointermove-event) | The pointer changed coordinates. |
| [pointerout](https://developer.mozilla.org/en-US/docs/Web/Events/pointerout) | [PointerEvent](https://developer.mozilla.org/en-US/docs/Web/API/PointerEvent) | [Pointer Events](http://www.w3.org/TR/pointerevents/#the-pointerout-event) | The pointing device moved out of hit-testing boundary or leaves detectable hover range. |
| [pointerover](https://developer.mozilla.org/en-US/docs/Web/Events/pointerover) | [PointerEvent](https://developer.mozilla.org/en-US/docs/Web/API/PointerEvent) | [Pointer Events](http://www.w3.org/TR/pointerevents/#the-pointerover-event) | The pointing device is moved into the hit-testing boundary. |
| [pointerup](https://developer.mozilla.org/en-US/docs/Web/Events/pointerup) | [PointerEvent](https://developer.mozilla.org/en-US/docs/Web/API/PointerEvent) | [Pointer Events](http://www.w3.org/TR/pointerevents/#the-pointerup-event) | The pointer leaves the active buttons state. |
| [play](https://developer.mozilla.org/en-US/docs/Web/Events/play) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [HTML5 media](http://www.whatwg.org/specs/web-apps/current-work/multipage/the-video-element.html#event-media-play) | Playback has begun. |
| [playing](https://developer.mozilla.org/en-US/docs/Web/Events/playing) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [HTML5 media](http://www.whatwg.org/specs/web-apps/current-work/multipage/the-video-element.html#event-media-playing) | Playback is ready to start after having been paused or delayed due to lack of data. |
| [popstate](https://developer.mozilla.org/en-US/docs/Web/Events/popstate) | [PopStateEvent](https://developer.mozilla.org/en-US/docs/Web/API/PopStateEvent) | [HTML5](http://www.whatwg.org/specs/web-apps/current-work/multipage/history.html#event-popstate) | A session history entry is being navigated to (in certain cases). |
| [progress](https://developer.mozilla.org/en-US/docs/Web/Events/progress) | [ProgressEvent](https://developer.mozilla.org/en-US/docs/Web/API/ProgressEvent) | [Progress](http://www.w3.org/TR/progress-events/) and [XMLHttpRequest](http://www.w3.org/TR/XMLHttpRequest/#event-xhr-progress) | In progress. |
| [progress](https://developer.mozilla.org/en-US/docs/Web/Reference/Events/progress_(appcache_event)) | [ProgressEvent](https://developer.mozilla.org/en-US/docs/Web/API/ProgressEvent) | [Offline](http://www.w3.org/html/wg/drafts/html/master/browsers.html#offline) | The user agent is downloading resources listed by the manifest. |
| [push](https://developer.mozilla.org/en-US/docs/Web/Events/push) | [PushEvent](https://developer.mozilla.org/en-US/docs/Web/API/PushEvent) | [Push API](https://w3c.github.io/push-api/) | A [Service Worker](https://developer.mozilla.org/en-US/docs/Web/API/Service_Worker_API) has received a push message. |
| [pushsubscriptionchange](https://developer.mozilla.org/en-US/docs/Web/Events/pushsubscriptionchange) | [PushEvent](https://developer.mozilla.org/en-US/docs/Web/API/PushEvent) | [Push API](https://w3c.github.io/push-api/) | A [PushSubscription](https://developer.mozilla.org/en-US/docs/Web/API/PushSubscription) has expired. |
| [ratechange](https://developer.mozilla.org/en-US/docs/Web/Events/ratechange) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [HTML5 media](http://www.whatwg.org/specs/web-apps/current-work/multipage/the-video-element.html#event-media-ratechange) | The playback rate has changed. |
| [readystatechange](https://developer.mozilla.org/en-US/docs/Web/Events/readystatechange) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | HTML5 and [XMLHttpRequest](http://www.w3.org/TR/XMLHttpRequest/#event-xhr-readystatechange) | The readyState attribute of a document has changed. |
| [repeatEvent](https://developer.mozilla.org/en-US/docs/Web/Events/repeatEvent) | [TimeEvent](https://developer.mozilla.org/en-US/docs/Web/API/TimeEvent) | [SVG](http://www.w3.org/TR/SVG/interact.html#SVGEvents) | A [SMIL](https://developer.mozilla.org/en-US/docs/SVG/SVG_animation_with_SMIL) animation element is repeated. |
| [reset](https://developer.mozilla.org/en-US/docs/Web/Events/reset) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [DOM L2](http://www.w3.org/TR/DOM-Level-2-Events/events.html), [HTML5](http://www.whatwg.org/specs/web-apps/current-work/multipage/association-of-controls-and-forms.html#form-submission-0#resetting-a-form) | A form is reset. |
| [resize](https://developer.mozilla.org/en-US/docs/Web/Events/resize) | [UIEvent](https://developer.mozilla.org/en-US/docs/Web/API/UIEvent) | [DOM L3](http://www.w3.org/TR/DOM-Level-3-Events/#event-type-resize) | The document view has been resized. |
| [resourcetimingbufferfull](https://developer.mozilla.org/en-US/docs/Web/Events/resourcetimingbufferfull) | [Performance](https://developer.mozilla.org/en-US/docs/Web/API/Performance) | [Resource Timing](https://w3c.github.io/resource-timing/#dom-performance-onresourcetimingbufferfull) | The browser's resource timing buffer is full. |
| [result](https://developer.mozilla.org/en-US/docs/Web/Events/result) | [SpeechRecognitionEvent](https://developer.mozilla.org/en-US/docs/Web/API/SpeechRecognitionEvent) | [Web Speech API](https://dvcs.w3.org/hg/speech-api/raw-file/tip/webspeechapi.html) | The speech recognition service returns a result — a word or phrase has been positively recognized and this has been communicated back to the app. |
| [resume](https://developer.mozilla.org/en-US/docs/Web/Events/resume) | [SpeechSynthesisEvent](https://developer.mozilla.org/en-US/docs/Web/API/SpeechSynthesisEvent) | [Web Speech API](https://dvcs.w3.org/hg/speech-api/raw-file/tip/webspeechapi.html) | A paused utterance is resumed. |
| [scroll](https://developer.mozilla.org/en-US/docs/Web/Events/scroll) | [UIEvent](https://developer.mozilla.org/en-US/docs/Web/API/UIEvent) | [DOM L3](http://www.w3.org/TR/DOM-Level-3-Events/#event-type-scroll) | The document view or an element has been scrolled. |
| [seeked](https://developer.mozilla.org/en-US/docs/Web/Events/seeked) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [HTML5 media](http://www.whatwg.org/specs/web-apps/current-work/multipage/the-video-element.html#event-media-seeked) | A *seek* operation completed. |
| [seeking](https://developer.mozilla.org/en-US/docs/Web/Events/seeking) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [HTML5 media](http://www.whatwg.org/specs/web-apps/current-work/multipage/the-video-element.html#event-media-seeking) | A *seek* operation began. |
| [select](https://developer.mozilla.org/en-US/docs/Web/Events/select) | [UIEvent](https://developer.mozilla.org/en-US/docs/Web/API/UIEvent) | [DOM L3](http://www.w3.org/TR/DOM-Level-3-Events/#event-type-select) | Some text is being selected. |
| [selectstart](https://developer.mozilla.org/en-US/docs/Web/Events/selectstart) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [Selection API](http://w3c.github.io/selection-api/) | A selection just started. |
| [selectionchange](https://developer.mozilla.org/en-US/docs/Web/Events/selectionchange) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [Selection API](http://w3c.github.io/selection-api/) | The selection in the document has been changed. |
| [show](https://developer.mozilla.org/en-US/docs/Web/Events/show) | [MouseEvent](https://developer.mozilla.org/en-US/docs/Web/API/MouseEvent) | [HTML5](http://www.w3.org/TR/html5/interactive-elements.html#context-menus) | A contextmenu event was fired on/bubbled to an element that has a [contextmenu](https://developer.mozilla.org/en-US/docs/DOM/element.contextmenu) attribute |
| [soundend](https://developer.mozilla.org/en-US/docs/Web/Events/soundend) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [Web Speech API](https://dvcs.w3.org/hg/speech-api/raw-file/tip/webspeechapi.html) | Any sound — recognisable speech or not — has stopped being detected. |
| [soundstart](https://developer.mozilla.org/en-US/docs/Web/Events/soundstart) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [Web Speech API](https://dvcs.w3.org/hg/speech-api/raw-file/tip/webspeechapi.html) | Any sound — recognisable speech or not — has been detected. |
| [speechend](https://developer.mozilla.org/en-US/docs/Web/Events/speechend) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [Web Speech API](https://dvcs.w3.org/hg/speech-api/raw-file/tip/webspeechapi.html) | Speech recognised by the speech recognition service has stopped being detected. |
| [speechstart](https://developer.mozilla.org/en-US/docs/Web/Events/speechstart) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [Web Speech API](https://dvcs.w3.org/hg/speech-api/raw-file/tip/webspeechapi.html) | Sound that is recognised by the speech recognition service as speech has been detected. |
| [stalled](https://developer.mozilla.org/en-US/docs/Web/Events/stalled) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [HTML5 media](http://www.whatwg.org/specs/web-apps/current-work/multipage/the-video-element.html#event-media-stalled) | The user agent is trying to fetch media data, but data is unexpectedly not forthcoming. |
| [start](https://developer.mozilla.org/en-US/docs/Web/Events/start_(SpeechRecognition)) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [Web Speech API](https://dvcs.w3.org/hg/speech-api/raw-file/tip/webspeechapi.html) | The speech recognition service has begun listening to incoming audio with intent to recognize grammars associated with the current SpeechRecognition. |
| [start](https://developer.mozilla.org/en-US/docs/Web/Events/start_(SpeechSynthesis)) | [SpeechSynthesisEvent](https://developer.mozilla.org/en-US/docs/Web/API/SpeechSynthesisEvent) | [Web Speech API](https://dvcs.w3.org/hg/speech-api/raw-file/tip/webspeechapi.html) | The utterance has begun to be spoken. |
| [storage](https://developer.mozilla.org/en-US/docs/Web/Events/storage) | [StorageEvent](https://developer.mozilla.org/en-US/docs/Web/API/StorageEvent) | [Web Storage](http://www.w3.org/TR/webstorage/#the-storage-event) | A storage area ([localStorage](https://developer.mozilla.org/en-US/docs/DOM/Storage#localStorage) or [sessionStorage](https://developer.mozilla.org/en-US/docs/DOM/Storage#sessionStorage)) has changed. |
| [submit](https://developer.mozilla.org/en-US/docs/Web/Events/submit) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [DOM L2](http://www.w3.org/TR/DOM-Level-2-Events/events.html), [HTML5](http://www.whatwg.org/specs/web-apps/current-work/multipage/association-of-controls-and-forms.html#form-submission-algorithm) | A form is submitted. |
| [success](https://developer.mozilla.org/en-US/docs/Web/Reference/Events/success_indexedDB) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [IndexedDB](http://www.w3.org/TR/IndexedDB/#request-api) | A request successfully completed. |
| [suspend](https://developer.mozilla.org/en-US/docs/Web/Events/suspend) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [HTML5 media](http://www.whatwg.org/specs/web-apps/current-work/multipage/the-video-element.html#event-media-suspend) | Media data loading has been suspended. |
| [SVGAbort](https://developer.mozilla.org/en-US/docs/Web/Events/SVGAbort) | [SVGEvent](https://developer.mozilla.org/en-US/docs/Web/API/SVGEvent) | [SVG](http://www.w3.org/TR/SVG/interact.html#SVGEvents) | Page loading has been stopped before the [SVG](https://developer.mozilla.org/en-US/docs/SVG) was loaded. |
| [SVGError](https://developer.mozilla.org/en-US/docs/Web/Events/SVGError) | [SVGEvent](https://developer.mozilla.org/en-US/docs/Web/API/SVGEvent) | [SVG](http://www.w3.org/TR/SVG/interact.html#SVGEvents) | An error has occurred before the [SVG](https://developer.mozilla.org/en-US/docs/SVG) was loaded. |
| [SVGLoad](https://developer.mozilla.org/en-US/docs/Web/Events/SVGLoad) | [SVGEvent](https://developer.mozilla.org/en-US/docs/Web/API/SVGEvent) | [SVG](http://www.w3.org/TR/SVG/interact.html#SVGEvents) | An [SVG](https://developer.mozilla.org/en-US/docs/SVG) document has been loaded and parsed. |
| [SVGResize](https://developer.mozilla.org/en-US/docs/Web/Events/SVGResize) | [SVGEvent](https://developer.mozilla.org/en-US/docs/Web/API/SVGEvent) | [SVG](http://www.w3.org/TR/SVG/interact.html#SVGEvents) | An [SVG](https://developer.mozilla.org/en-US/docs/SVG) document is being resized. |
| [SVGScroll](https://developer.mozilla.org/en-US/docs/Web/Events/SVGScroll) | [SVGEvent](https://developer.mozilla.org/en-US/docs/Web/API/SVGEvent) | [SVG](http://www.w3.org/TR/SVG/interact.html#SVGEvents) | An [SVG](https://developer.mozilla.org/en-US/docs/SVG) document is being scrolled. |
| [SVGUnload](https://developer.mozilla.org/en-US/docs/Web/Events/SVGUnload) | [SVGEvent](https://developer.mozilla.org/en-US/docs/Web/API/SVGEvent) | [SVG](http://www.w3.org/TR/SVG/interact.html#SVGEvents) | An [SVG](https://developer.mozilla.org/en-US/docs/SVG) document has been removed from a window or frame. |
| [SVGZoom](https://developer.mozilla.org/en-US/docs/Web/Events/SVGZoom) | [SVGZoomEvent](https://developer.mozilla.org/en-US/docs/Web/API/SVGZoomEvent) | [SVG](http://www.w3.org/TR/SVG/interact.html#SVGEvents) | An [SVG](https://developer.mozilla.org/en-US/docs/SVG) document is being zoomed. |
| [timeout](https://developer.mozilla.org/en-US/docs/Web/Events/timeout) | [ProgressEvent](https://developer.mozilla.org/en-US/docs/Web/API/ProgressEvent) | [XMLHttpRequest](http://www.w3.org/TR/XMLHttpRequest/#event-xhr-timeout) |  |
| [timeupdate](https://developer.mozilla.org/en-US/docs/Web/Events/timeupdate) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [HTML5 media](http://www.whatwg.org/specs/web-apps/current-work/multipage/the-video-element.html#event-media-timeupdate) | The time indicated by the currentTime attribute has been updated. |
| [touchcancel](https://developer.mozilla.org/en-US/docs/Web/Events/touchcancel) | [TouchEvent](https://developer.mozilla.org/en-US/docs/Web/API/TouchEvent) | [Touch Events](http://www.w3.org/TR/touch-events/) | A touch point has been disrupted in an implementation-specific manners (too many touch points for example). |
| [touchend](https://developer.mozilla.org/en-US/docs/Web/Events/touchend) | [TouchEvent](https://developer.mozilla.org/en-US/docs/Web/API/TouchEvent) | [Touch Events](http://www.w3.org/TR/touch-events/#the-touchend-event) | A touch point is removed from the touch surface. |
| [touchmove](https://developer.mozilla.org/en-US/docs/Web/Events/touchmove) | [TouchEvent](https://developer.mozilla.org/en-US/docs/Web/API/TouchEvent) | [Touch Events](http://www.w3.org/TR/touch-events/#the-touchmove-event) | A touch point is moved along the touch surface. |
| [touchstart](https://developer.mozilla.org/en-US/docs/Web/Events/touchstart) | [TouchEvent](https://developer.mozilla.org/en-US/docs/Web/API/TouchEvent) | [Touch Events](http://www.w3.org/TR/touch-events/#the-touchstart---------event) | A touch point is placed on the touch surface. |
| [transitionend](https://developer.mozilla.org/en-US/docs/Web/Events/transitionend) | [TransitionEvent](https://developer.mozilla.org/en-US/docs/Web/API/TransitionEvent) | [CSS Transitions](http://www.w3.org/TR/css3-transitions/#transition-events) | A [CSS transition](https://developer.mozilla.org/en-US/docs/CSS/CSS_transitions) has completed. |
| [unload](https://developer.mozilla.org/en-US/docs/Web/Events/unload) | [UIEvent](https://developer.mozilla.org/en-US/docs/Web/API/UIEvent) | [DOM L3](http://www.w3.org/TR/DOM-Level-3-Events/#event-type-unload) | The document or a dependent resource is being unloaded. |
| [updateready](https://developer.mozilla.org/en-US/docs/Web/Events/updateready) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [Offline](http://dev.w3.org/html5/spec/offline.html) | The resources listed in the manifest have been newly redownloaded, and the script can use swapCache() to switch to the new cache. |
| [upgradeneeded](https://developer.mozilla.org/en-US/docs/Web/Reference/Events/upgradeneeded_indexedDB) |  | [IndexedDB](http://www.w3.org/TR/IndexedDB/#request-api) | An attempt was made to open a database with a version number higher than its current version. A versionchange transaction has been created. |
| [userproximity](https://developer.mozilla.org/en-US/docs/Web/Events/userproximity) | [UserProximityEvent](https://developer.mozilla.org/en-US/docs/Web/API/UserProximityEvent) | [Proximity Events](https://w3c.github.io/proximity/) | Fresh data is available from a proximity sensor (indicates whether the nearby object is near the device or not). |
| [voiceschanged](https://developer.mozilla.org/en-US/docs/Web/Events/voiceschanged) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [Web Speech API](https://dvcs.w3.org/hg/speech-api/raw-file/tip/webspeechapi.html) | The list of [SpeechSynthesisVoice](https://developer.mozilla.org/en-US/docs/Web/API/SpeechSynthesisVoice) objects that would be returned by the [SpeechSynthesis.getVoices()](https://developer.mozilla.org/en-US/docs/Web/API/SpeechSynthesis/getVoices) method has changed (when the [voiceschanged](https://developer.mozilla.org/en-US/docs/Web/Events/voiceschanged) event fires.) |
| [versionchange](https://developer.mozilla.org/en-US/docs/Web/Reference/Events/versionchange_indexedDB) |  | [IndexedDB](http://www.w3.org/TR/IndexedDB/#database-interface) | A versionchange transaction completed. |
| [visibilitychange](https://developer.mozilla.org/en-US/docs/Web/Events/visibilitychange) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [Page visibility](http://www.w3.org/TR/page-visibility/#sec-visibilitychange-event) | The content of a tab has become visible or has been hidden. |
| [volumechange](https://developer.mozilla.org/en-US/docs/Web/Events/volumechange) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [HTML5 media](http://www.whatwg.org/specs/web-apps/current-work/multipage/the-video-element.html#event-media-volumechange) | The volume has changed. |
| [vrdisplayconnected](https://developer.mozilla.org/en-US/docs/Web/Events/vrdisplayconnected) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [WebVR API](https://developer.mozilla.org/en-US/docs/Web/API/WebVR_API) | A compatible VR device has been connected to the computer. |
| [vrdisplaydisconnected](https://developer.mozilla.org/en-US/docs/Web/Events/vrdisplaydisconnected) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [WebVR API](https://developer.mozilla.org/en-US/docs/Web/API/WebVR_API) | A compatible VR device has been disconnected from the computer. |
| [vrdisplaypresentchange](https://developer.mozilla.org/en-US/docs/Web/Events/vrdisplaypresentchange) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [WebVR API](https://developer.mozilla.org/en-US/docs/Web/API/WebVR_API) | The presenting state of a VR device has changed — i.e. from presenting to not presenting, or vice versa. |
| [waiting](https://developer.mozilla.org/en-US/docs/Web/Events/waiting) | [Event](https://developer.mozilla.org/en-US/docs/Web/API/Event) | [HTML5 media](http://www.whatwg.org/specs/web-apps/current-work/multipage/the-video-element.html#event-media-waiting) | Playback has stopped because of a temporary lack of data. |
| [wheel](https://developer.mozilla.org/en-US/docs/Web/Events/wheel) | [WheelEvent](https://developer.mozilla.org/en-US/docs/Web/API/WheelEvent) | [DOM L3](http://www.w3.org/TR/DOM-Level-3-Events/#event-type-wheel) | A wheel button of a pointing device is rotated in any direction. |

Non-standard events