/// mdn web docs_

Document: readyState property

The **Document.readyState** property describes the loading state of the <u>document</u>. When the value of this property changes, a <u>readyStatechange</u> event fires on the <u>document</u> object.

Value

The readyState of a document can be one of following:

loading

The document is still loading.

interactive

The document has finished loading and the document has been parsed but sub-resources such as scripts, images, stylesheets and frames are still loading. The state indicates that the DOMContentLoaded event is about to fire.

complete

The document and all sub-resources have finished loading. The state indicates that the <u>load</u> event is about to fire.

Examples

Different states of readiness

```
switch (document.readyState) {
  case "loading":
    // The document is loading.
    break;
  case "interactive": {
    // The document has finished loading and we can access DOM elements.
    // Sub-resources such as scripts, images, stylesheets and frames are still loading.
    const span = document.createElement("span");
    span.textContent = "A <span> element.";
    document.body.appendChild(span);
    break;
}
case "complete":
```

```
// The page is fully loaded.
console.log(
   `The first CSS rule is: ${document.styleSheets[0].cssRules[0].cssText}`,
);
break;
}
```

readystatechange as an alternative to DOMContentLoaded event

```
// Alternative to DOMContentLoaded event

document.onreadystatechange = () => {
   if (document.readyState === "interactive") {
     initApplication();
   }
};
```

readystatechange as an alternative to load event

```
JS

// Alternative to load event

document.onreadystatechange = () => {
  if (document.readyState === "complete") {
    initApplication();
  }
};
```

readystatechange as event listener to insert or modify the DOM before DOMContentLoaded

```
document.addEventListener("readystatechange", (event) => {
   if (event.target.readyState === "interactive") {
     initLoader();
   } else if (event.target.readyState === "complete") {
     initApp();
   }
});
```

Specifications

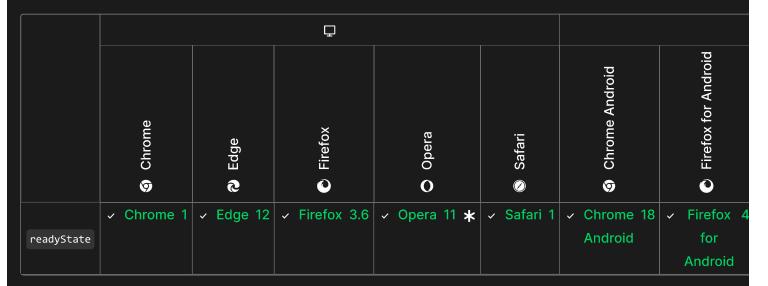
Specification

HTML Standard

current-document-readiness

Browser compatibility

Report problems with this compatibility data on GitHub 2



Tip: you can click/tap on a cell for more information.

✓ Full support

★ See i

* See implementation notes.

See also

- · Related events:
 - o <u>readystatechange</u>
 - o <u>DOMContentLoaded</u>
 - o <u>load</u>

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