Document: adoptNode() method

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{{ ApiRef("DOM") }}

`Document.adoptNode()` transfers a {{Glossary("node/dom", "node")}} from another {{domxref("Document", "document", "", "1")}} into the method's document. The adopted node and its subtree are removed from their original document (if any), and their {{domxref("Node.ownerDocument", "ownerDocument")}} is changed to the current document. The node can then be inserted into the current document.

Syntax

```
adoptNode(externalNode)
```

Parameters

- `externalNode`
  - : The node from another document to be adopted.

Return value

The copied `importedNode` in the scope of the importing document.

After calling this method, `importedNode` and `externalNode` are the same object.

> [!NOTE] `importedNode`'s {{domxref("Node.parentNode")}} is `null`, since it has not yet been inserted into the document tree!

Examples

```
const iframe = document.querySelector("iframe");
const iframeImages = iframe.contentDocument.querySelectorAll("img");
const newParent = document.getElementById("images");

iframeImages.forEach((imgEl) => {
  newParent.appendChild(document.adoptNode(imgEl));
});
```

Notes

Before they can be inserted into the current document, nodes from external documents should either be:

- cloned using {{domXref("document.importNode()")}}; or
- adopted using `document.adoptNode()`.

For more on the {{domXref("Node.ownerDocument")}} issues, see the W3C DOM FAQ.

Specifications

{{Specifications}}

Browser compatibility

{{Compat}}

See also

- {{domxref("document.importNode()")}}

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