



HTML DOM Attribute Object

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HTML DOM Nodes

In the HTML DOM (Document Object Model), everything is a **node**:

- The document itself is a document node
- All HTML elements are element nodes
- All HTML attributes are attribute nodes
- Text inside HTML elements are text nodes
- Comments are comment nodes

The Attr Object

In the HTML DOM, the **Attr object** represents an HTML attribute.






An HTML attribute always belongs to an HTML element.

The NamedNodeMap Object

In the HTML DOM, the **NamedNodeMap object** represents an unordered collection of an elements attribute nodes.

Nodes in a NamedNodeMap can be accessed by name or by index (number).

Browser Support

Object					
Attr	Yes	Yes	Yes	Yes	Yes
NamedNodeMap	Yes	Yes	Yes	Yes	Yes

The Attr Object and the NamedNodeMap Object is supported in all major browsers.

Properties and Methods

Property / Method	Description
<u>attr.isId</u>	Returns true if the attribute is of type Id, otherwise it returns false
<u>attr.name</u>	Returns the name of an attribute
<u>attr.value</u>	Sets or returns the value of the attribute
<u>attr.specified</u>	Returns true if the attribute has been specified, otherwise it returns false
<u>nodemap.getNamedItem()</u>	Returns a specified attribute node from a NamedNodeMap
<u>nodemap.item()</u>	Returns the attribute node at a specified index in a NamedNodeMap
<u>nodemap.length</u>	Returns the number of attribute nodes in a NamedNodeMap
<u>nodemap.removeNamedItem()</u>	Removes a specified attribute node
<u>nodemap.setNamedItem()</u>	Sets the specified attribute node (by name)



DOM 4 Warning !!!

In the W3C DOM Core, the Attr (attribute) object inherits all properties and methods from the Node object.

In DOM 4, the Attr object no longer inherits from Node.

For future code quality, you should avoid using node object properties and methods on attribute objects:

Property / Method	Reason for avoiding
<i>attr.appendChild()</i>	Attributes don't have child nodes
<i>attr.attributes</i>	Attributes don't have attributes
<i>attr.baseURI</i>	use document.baseURI instead
<i>attr.childNodes</i>	Attributes don't have child nodes
<i>attr.cloneNode()</i>	Get or set the <i>attr.value</i> instead
<i>attr.firstChild</i>	Attributes don't have child nodes
<i>attr.hasAttributes()</i>	Attributes don't have attributes
<i>attr.hasChildNodes</i>	Attributes don't have child nodes
<i>attr.insertBefore()</i>	Attributes don't have child nodes
<i>attr.isEqualNode()</i>	Makes no sense
<i>attr.isSameNode()</i>	Makes no sense
<i>attr.isSupported()</i>	Is always true
<i>attr.lastChild</i>	Attributes don't have child nodes
<i>attr.nextSibling</i>	Attributes don't have siblings
<i>attr.nodeName</i>	Use <i>attr.name</i> instead
<i>attr.nodeType</i>	This is always 2 (ATTRIBUTE_NODE)
<i>attr.nodeValue</i>	Use <i>attr.value</i> instead
<i>attr.normalize()</i>	Attributes cannot be normalized
<i>attr.ownerDocument</i>	This is always your HTML document

<i>attr.ownerElement</i>	This is the HTML element you used to access the attribute
<i>attr.parentNode</i>	This is the HTML element you used to access the attribute
<i>attr.previousSibling</i>	Attributes don't have siblings
<i>attr.removeChild</i>	Attributes don't have child nodes
<i>attr.replaceChild</i>	Attributes don't have child nodes
<i>attr.textContent</i>	Use <i>attr.value</i> instead

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