**[MS-DOM2H]:**

**Internet Explorer Document Object Model (DOM) Level 2**

**HTML Standards Support Document**



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**Revision Summary**

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**1 Introduction**

This document describes the level of support provided by Windows® Internet Explorer® for the

*Document Object Model (DOM) Level 2 HTML Specification Version 1.0* [[DOM Level 2 - HTML](http://go.microsoft.com/fwlink/?LinkId=182708)],W3CRecommendation 09 January 2003.

The  [[DOM Level 2 - HTML]](http://go.microsoft.com/fwlink/?LinkId=182708) specification may contain guidance for authors of webpages and browser users, in addition to user agents (browser applications). Statements found in this document apply only to normative requirements in the specification targeted to user agents, not those targeted to authors.

1. **Glossary**

**MAY, SHOULD, MUST, SHOULD NOT, MUST NOT:** These terms (in all caps) are used asdescribed in  [[RFC2119](http://go.microsoft.com/fwlink/?LinkId=90317)]. All statements of optional behavior use either MAY, SHOULD, or SHOULD NOT.

1. **References**

References to Microsoft Open Specifications documentation do not include a publishing year because links are to the latest version of the technical documents, which are updated frequently. References to other documents include a publishing year when one is available.

1. **Normative References**

We conduct frequent surveys of the normative references to assure their continued availability. If you have any issue with finding a normative reference, please contact  [dochelp@microsoft.co](mailto:dochelp@microsoft.com)m. We will assist you in finding the relevant information. Please check the archive site,  [http://msdn2.microsoft.com/en-us/library/E4BD6494-06AD-4aed-9823-445E921C962](http://msdn2.microsoft.com/en-us/library/E4BD6494-06AD-4aed-9823-445E921C9624)4, as an additional source.

[DOM Level 2 - HTML] W3C, "Document Object Model (DOM) Level 2 HTML Specification Version 1.0", W3C Recommendation, January 2003,  [http://www.w3.org/TR/2003/REC-DOM-Level-2-HTML](http://go.microsoft.com/fwlink/?LinkId=182708)-20030109/

[RFC2119] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", BCP 14, RFC 2119, March 1997,  [http://www.rfc-editor.org/rfc/rfc2119.tx](http://go.microsoft.com/fwlink/?LinkId=90317)t

1. **Informative References**

None.

1. **Microsoft Implementations**

The following Microsoft products implement some portion of the  [[DOM Level 2 - HTML]](http://go.microsoft.com/fwlink/?LinkId=182708) specification:

Windows® Internet Explorer® 7

Windows® Internet Explorer® 8

Windows® Internet Explorer® 9

Windows® Internet Explorer® 10



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In addition, each version of Windows® Internet Explorer® implements multiple document modes, which can vary individually in their support of the standard. The following table lists the document modes available in each version of Internet Explorer:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |
|  | **Browser Version** |  |  | **Documents Modes Supported** |  |  |
|  |  |  |  |  |  |  |
| Internet Explorer 7 | |  |  | Quirks Mode | |  |
|  |  |  |  | Standards Mode | |  |
|  | |  |  |  | |  |
| Internet Explorer 8 | |  |  | Quirks Mode | |  |
|  |  |  |  | IE7 Mode | |  |
|  |  |  |  | IE8 Mode | |  |
|  | |  |  |  | |  |
| Internet Explorer 9 | |  |  | Quirks mode | |  |
|  |  |  |  | IE7 mode | |  |
|  |  |  |  | IE8 mode | |  |
|  |  |  |  | IE9 mode | |  |
|  | |  |  |  | |  |
| Internet Explorer 10 | |  |  | Quirks mode | |  |
|  |  |  |  | IE7 mode | |  |
|  |  |  |  | IE8 mode | |  |
|  |  |  |  | IE9 mode | |  |
|  |  |  |  | IE10 Mode | |  |
|  |  |  |  |  |  |  |

Throughout this document, the document mode appears first followed by the browser version in parentheses. Only those document modes and versions of Internet Explorer for which there is a variation note will be listed. If the document mode is not listed, conformance to the specification can be assumed.

**Note** "Standards mode" in Internet Explorer 7 and "IE7 mode" in Internet Explorer 8 refer to thesame document mode. "IE7 mode" is the preferred way of referring to this document mode across all versions of the browser.

1. **Standards Support Requirements**

To conform to  [[DOM Level 2 - HTML]](http://go.microsoft.com/fwlink/?LinkId=182708) a user agent must implement all required portions of the specification. Any optional portions that have been implemented must also be implemented as described by the specification. Normative language is usually used to define both required and optional portions. (For more information, see  [[RFC2119](http://go.microsoft.com/fwlink/?LinkId=90317)].)

The following table lists the sections of  [[DOM Level 2 - HTML]](http://go.microsoft.com/fwlink/?LinkId=182708) and whether they are considered normative or informative.

|  |  |  |
| --- | --- | --- |
|  |  |  |
| **Sections** | **Normative/Informative** |  |
|  |  |  |
| 1 | Normative |  |
|  |  |  |
| Appendix A-E | Informative |  |
|  |  |  |

1. **Notation**

The following notations are used in this document to differentiate between notes of clarification, variation from the specification, and extension points.



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|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Notation** |  |  | **Explanation** |  |  |
|  |  |  |  |  |
|  |  |  |  |  |  |  |
| C#### | | |  | Identifies a clarification of ambiguity in the target specification. This includes imprecise |  |  |
|  |  |  |  | statements, omitted information, discrepancies, and errata. This does not include data |  |  |
|  |  |  |  | formatting clarifications. |  |  |
|  | | |  |  |  |  |
| V#### | | |  | Identifies an intended point of variability in the target specification such as the use of MAY, |  |  |
|  |  |  |  | SHOULD, or RECOMMENDED. (See  [[RFC2119](http://go.microsoft.com/fwlink/?LinkId=90317)].) This does not include extensibility points. |  |  |
|  | | |  |  |  |  |
| E#### | | |  | Identifies extensibility points (such as optional implementation-specific data) in the target |  |  |
|  |  |  |  | specification, which can impair interoperability. |  |  |
|  |  |  |  |  |  |  |

For document mode and browser version notation, see section  [1.3](#page4).



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**2 Standards Support Statements**

This section contains a full list of variations and clarifications points in the Microsoft implementation of  [[DOM Level 2 - HTML]](http://go.microsoft.com/fwlink/?LinkId=182708).

Section  [2.1](#page7) includes only those variations that violate a MUST requirement in the target specification.

Section  [2.2](#page14) describes further variations from MAY and SHOULD requirements.

Section  [2.3](#page37) identifies variations in error handling.

Section  [2.4](#page37) identifies variations that impact security.

1. **Normative Variations**

The following subsections detail the normative variations from MUST requirements in  [[DOM Level 2](http://go.microsoft.com/fwlink/?LinkId=182708) -  [HTML]](http://go.microsoft.com/fwlink/?LinkId=182708).

1. **[DOM Level 2 - HTML] Section 1.5, Objects related to HTML documents**

V0001:

The specification states:

domain of type DOMString, readonly

The domain name of the server that served the document, or null if the server cannot be identified by a domain name.

*All Document Modes (All Versions)*

An empty string is returned, instead of null, if the page is run from the local computer.

1. **[DOM Level 2 - HTML] Section 1.6.5, Object definitions**

V0002:

The specification states:

form of type HTMLFormElement, readonly

Returns the FORM element containing this control. Returns null if this control is not within the context of a form.

*All Document Modes (All Versions)*

The **form** property of the **ISINDEX** element does not return NULL when the control is outside the context of a form.

V0003:

The specification states:

text of type DOMString

Document text color. See the text attribute definition in HTML 4.01. This attribute



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is deprecated in HTML 4.01.

*All Document Modes (All Versions)*

The value of the **text** attribute is converted into a hexadecimal RGB value.

V0004:

The specification states:

add

Add a new element to the collection of OPTION elements for this SELECT. This method is the equivalent of the appendChild method of the Node interface if the before parameter is null. It is equivalent to the insertBefore method on the parent of before in all other cases. This method may have no effect if the new element is not an OPTION or an OPTGROUP.

Parameters

element of type HTMLElement The element to add.

before of type HTMLElement

The element to insert before, or null for the tail of the list.

Exceptions

DOMException

NOT\_FOUND\_ERR: Raised if before is not a descendant of the SELECT element.

No Return Value

*Quirks Mode and IE7 Mode (All Versions)*

The **before** parameter of the **add** method of the **HTMLSelectElement** interface is not supported.

*All Document Modes (All Versions)*

The DOMException **NOT\_FOUND\_ERR** is not raised by the **add** method of the

**HTMLSelectElement** interface.

V0005:

The specification states:

interface HTMLOptionElement : HTMLElement

selected of type boolean

Represents the current state of the corresponding form control, in an interactive user agent. Changing this attribute changes the state of the form control, but does not change the value of the HTML selected attribute of the element.

*All Document Modes (All Versions)*

Changing the value of the **selected** attribute of **HTMLOptionElement** results in an equivalent change to the value of the HTML **selected** attribute of the element.



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V0006:

The specification states:

align of type DOMString

Aligns this object (vertically or horizontally) with respect to its surrounding text. See the align attribute definition in HTML 4.01. This attribute is deprecated in HTML 4.01.

*All Document Modes (All Versions)*

The value of the **align** attribute of the **HTMLInputElement** interface returns an empty string ("").

V0007:

The specification states:

useMap of type DOMString

Use client-side image map. See the usemap attribute definition in HTML 4.01.

*All Document Modes (All Versions)*

The value of the **useMap** attribute of the **HTMLInputElement** interface does not return the name of the associated **MAP** element. Instead, **useMap** returns whatever value is specified in the corresponding attribute on the HTML element.

V0008:

The specification states:

interface HTMLInputElement : HTMLElement value of type DOMString

When the type attribute of the element has the value "text", "file" or "password", this represents the current contents of the corresponding form control, in an interactive user agent. Changing this attribute changes the contents of the form control, but does not change the value of the HTML value attribute of the element. When the type attribute of the element has the value "button", "hidden", "submit", "reset", "image", "checkbox" or "radio", this represents the HTML value attribute of the element. See the value attribute definition in HTML 4.01.

*Quirks Mode, IE7 Mode, and IE8 Mode (All Versions)*

Changing the **value** attribute of the **HTMLInputElement** interface to a text, file, or password input type results in an equivalent change to the HTML **value** attribute of the element. The **value** attribute is an empty string for an input type of file.

E0001:

The specification states:

form of type HTMLFormElement, readonly

Returns the FORM element containing this control. Returns null if this control is not within the context of a form.



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*Quirks Mode, IE7 Mode, and IE8 Mode (All Versions)*

The value of the **form** attribute of the **HTMLTextAreaElement** interface can be set.

V0010:

The specification states:

value of type long

Reset sequence number when used in OL. See the value attribute definition in HTML 4.01. This attribute is deprecated in HTML 4.01.

*Quirks Mode, IE7 Mode, IE8 Mode, and IE9 Mode (All Versions)*

The **value** attribute of the **HTMLLIElement** interface cannot be used to reset the sequence number of an **OL** element (ordered list).

V0011:

The specification states:

Interface HTMLPreElement

Preformatted text. See the PRE element definition in HTML 4.01. IDL Definition

interface HTMLPreElement : HTMLElement { attribute long width;

};

*All Document Modes (All Versions)*

The **width** attribute of the **HTMLPreElement** interface is of type string.

V0012:

The specification states:

color of type DOMString

Font color. See the color attribute definition in HTML 4.01. This attribute is deprecated in HTML 4.01.

*All Document Modes (All Versions)*

The **color** attribute of the **HTMLBaseFontElement** interface returns the RGB hexadecimal value for a color string (for example, the color string blue is converted to #0000FF).

V0013:

The specification states:

isMap of type boolean

Use server-side image map. See the ismap attribute definition in HTML 4.01.

*All Document Modes (All Versions)*



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The **isMap** attribute of the **HTMLImageElement** interface always returns a value of true, even when the value is set to false.

V0014:

The specification states:

interface HTMLObjectElement : HTMLElement codeBase of type DOMString

Base URI for classid, data, and archive attributes. See the codebase attribute definition in HTML 4.01.

*All Document Modes (All Versions)*

If the **codeBase** attribute of the **OBJECT** element is not specified in HTML, the **codeBase** attribute of the **HTMLObjectElement** interface returns an empty string. Otherwise, if the **codeBase** attribute is specified in HTML, **codeBase** returns the base URI of the current document appended with the value specified for the **codeBase** attribute.

V0015:

The specification states:

interface HTMLObjectElement : HTMLElement codeType of type DOMString

Content type for data downloaded via classid attribute. See the codetype attribute definition in HTML 4.01.

*All Document Modes (All Versions)*

If the **codetype** attribute of the **object** element is not specified in HTML, or the attribute is declared without an assigned value, the **codeType** attribute of **HTMLObjectElement** returns an empty string as a default value instead of the value of the **type** attribute for the **object** element.

V0016:

The specification states:

form of type HTMLFormElement, readonly

Returns the FORM element containing this control. Returns null if this control is not within the context of a form.

*Quirks Mode, IE7 Mode, and IE8 Mode (All Versions)*

Returns the form element even if the control is not within the context of a form. V0017:

The specification states:

object of type DOMString, modified in DOM Level 2

The value of the "object" attribute. See the object attribute definition in HTML



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4.01. This attribute is deprecated in HTML 4.01.

*All Document Modes (All Versions)*

The **object** attribute of the **HTMLAppletElement** interface is not supported. V0018:

The specification states:

ch of type DOMString

Alignment character for cells in a column. See the char attribute definition in HTML 4.01.

*Quirks Mode, IE7 Mode, and IE8 Mode (All Versions)*

The **ch** attribute of the **TR** element is not supported. The value of the **ch** attribute can be set, but it does not change the alignment of text within a cell.

V0019:

The specification states:

chOff of type DOMString

Offset of alignment character. See the charoff attribute definition in HTML 4.01.

*Quirks Mode, IE7 Mode, and IE8 Mode (All Versions)*

The **chOff** attribute of the **TR** element is not supported. The value of the **chOff** attribute can be set, but it does not change the offset of the alignment.

V0020:

The specification states:

deleteCell modified in DOM Level 2 Delete a cell from the current row.

Parameters

index of type long

The index of the cell to delete, starting from 0. If the index is -1 the last cell in the row is deleted.

Exceptions

DOMException INDEX\_SIZE\_ERR: Raised if the specified index is greater than or equal to the number of cells or if the index is a negative number other than -1.

No Return Value

*Quirks Mode, IE7 Mode, and IE8 Mode (All Versions)*

If the specified index is greater than or equal to the number of cells or if the index is a negative number other than –1, the **deleteCell** method of the **HTMLTableRowElement** interface throws a



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JScript **Error** object with a description of "Invalid argument" and an error number of 0x80070057 (-2147024809).

V0021:

The specification states:

insertCell modified in DOM Level 2

Insert an empty TD cell into this row. If index is -1 or equal to the number of cells, the new cell is appended.

Parameters

index of type long

The place to insert the cell, starting from 0.

Return Value

HTMLElement

The newly created cell.

Exceptions

DOMException INDEX\_SIZE\_ERR: Raised if the specified index is greater than the number of cells or if the index is a negative number other than -1.

*Quirks Mode, IE7 Mode, and IE8 Mode (All Versions)*

If the specified index is greater than or equal to the number of cells or if the index is a negative number other than –1, the **insertCell** method of the **HTMLTableRowElement** interface throws a JScript **Error** object with a description of "Invalid argument" and an error number of 0x80070057 (-2147024809).

V0022:

The specification states:

rowSpan of type long

Number of rows spanned by cell. See the rowspan attribute definition in HTML 4.01.

*Quirks Mode and IE7 Mode (All Versions)*

Setting the value of the **rowSpan** attribute of the **HTMLTableCellElement** interface to a number greater than the actual number of rows in the table results in the value being clipped to the actual number of rows.

E0002:

The specification states:

contentDocument of type Document, readonly, introduced in DOM Level 2

The document this frame contains, if there is any and it is available, or null otherwise.

*Quirks and IE7 Mode (All Versions)*

The value of the **contentDocument** attribute of the **HTMLFrameElement** interface can be set.



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V0023:

The specification states:

contentDocument of type Document, readonly, introduced in DOM Level 2

The document this frame contains, if there is any and it is available, or null otherwise.

*Quirks Mode and IE7 Mode (All Versions)*

The **contentDocument** attribute is not supported on the **HTMLIFrameElement** interface.

*IE8 Mode (Internet Explorer 8)*

When the **HTMLIFrameElement** object is empty, the **contentDocument** attribute returns the document this frame contains. When the **src** attribute of the **HTMLIFrameElement** is set to a different domain, access to the **contentDocument** attribute is denied.

1. **Clarifications**

The following subsections identify clarifications to recommendations made by  [[DOM Level 2 - HTML]](http://go.microsoft.com/fwlink/?LinkId=182708).

1. **[DOM Level 2 - HTML] Section 1.1, Introduction**

V0024:

The specification states:

The interfaces found within this section are not mandatory. A DOM application may use the hasFeature(feature, version) method of the DOMImplementation interface with parameter values "HTML" and "2.0" (respectively) to determine whether or not this module is supported by the implementation. In addition to the feature string "HTML", the feature string "XHTML" (version string "2.0") can be used to check if the implementation supports XHTML (this is equivalent to checking the features "XML" and "HTML"). In order to fully support this module, an implementation must also support the "Core" feature defined. Please refer to additional information about conformance in the DOM Level 2 Core specification.

*All Document Modes (Internet Explorer 7 and Internet Explorer 8)*

The **hasFeature** method returns FALSE when the feature parameter is set to "HTML" and the version parameter is set to "2.0".

1. **[DOM Level 2 - HTML] Section 1.4, Misc Object Definitions**

V0025:

The specification states:

interface HTMLOptionsCollection namedItem

This method retrieves a Node using a name. It first searches for a Node with a matching id attribute. If it doesn't find one, it then searches for a Node with a matching name attribute, but only on those elements that are allowed a name attribute. This method is case insensitive in HTML documents and case sensitive in



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XHTML documents.

Parameters

name of type DOMString

The name of the Node to be fetched.

Return Value Node

The Node with a name or id attribute whose value corresponds to the specified string. Upon failure (e.g., no node with this name exists), returns null.

No Exceptions

*Quirks Mode, IE7 Mode, and IE8 Mode (All Versions)*

XHTML documents are not supported by the **namedItem** method of the **HTMLOptionsCollection** interface.

*IE9 Mode (All Versions)*

The **namedItem** method of the **HTMLOptionsCollection** interface is not case-sensitive.

1. **[DOM Level 2 - HTML] Section 1.5, Objects related to HTML documents**

V0026:

The specification states:

Interface HTMLDocument

An HTMLDocument is the root of the HTML hierarchy and holds the entire content. Besides providing access to the hierarchy, it also provides some convenience methods for accessing certain sets of information from the document.

The following properties have been deprecated in favor of the corresponding ones for the BODY element:

alinkColor background bgColor fgColor linkColor vlinkColor

*All Document Modes (All Versions)*

The **background** attribute of the **HTMLDocument** interface is not supported.

*Quirks Mode, IE7 Mode, and IE8 Mode (All Versions)*

Setting the **body** element of the **HTMLDocument** interface to a frameset is not supported. V0027:

The specification states:



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URL of type DOMString, readonly

The absolute URI of the document.

*Quirks Mode, IE7 Mode, and IE8 Mode (All Versions)*

The uppercase **URL** attribute name of the **HTMLDocument** interface is implemented as a lowercase name (**url**).

V0028:

The specification states:

cookie of type DOMString

This mutable string attribute denotes persistent state information that (1) is associated with the current frame or document and (2) is composed of information described by the cookies non-terminal of [IETF RFC 2965], Section 4.2.2.

All Document Modes (All Versions)

The maximum size for the value of the cookie attribute of the HTMLDocument interface is 4096 bytes for ie7 and 10 KB for ie8 and ie9.

C0001:

The specification states:

referrer of type DOMString, readonly

Returns the URI of the page that linked to this page. The value is an empty string if the user navigated to the page directly (not through a link, but, for example, via a bookmark).

*All Document Modes (Internet Explorer 8 and Internet Explorer 9)*

The **referrer** attribute of the **HTMLDocument** interface returns an absolute, fully-qualified URI with file name, if present.

*All Document Modes (Internet Explorer 7)*

The **referrer** attribute of the **HTMLDocument** interface returns an absolute URI without file name, if present.

V0029:

The specification states:

getElementsByName

With documents, this method returns the (possibly empty) collection of elements whose name value is given by elementName. In XHTML 1.0 documents, this methods only return the (possibly empty) collection of form controls with matching name. This method is case sensitive.

Parameters

ElementName of type DOMString

The name attribute value for an element.



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Return Value

NodeList

The matching elements.

No Exceptions

*Quirks Mode and IE7 Mode (All Versions)*

The **getElementsByName** method matches on the **name**, **id**, and **uniquename** attributes, instead of on only the **name** attribute. Only one matched element is included in the node list.

*IE8 Mode and IE9 Mode (All Versions)*

The **getElementsByName** method matches on the **name**, **id**, and **uniquename** attributes, instead of on only the **name** attribute. All matched elements are included in the node list.

*All Document Modes (All Versions)*

The **getElementsByName** method does not match expando attributes on an element. For example, **name** is not an attribute on **div** elements, therefore it does not return a match on

document.getElementsByName('testDiv') when <DIV name="testDiv"></DIV>.

1. **[DOM Level 2 - HTML] Section 1.6.3, Exposing Element Type Names**

C0002:

The specification states:

If the document is an HTML 4.01 document the element type names exposed through a property are in uppercase. For example, the body element type name is exposed through the tagName property as BODY. If the document is an XHTML 1.0 document the element name is exposed as it is written in the XHTML file. This means that the element type names are exposed in lowercase for XHTML documents since the XHTML 1.0 DTDs defines element type names as lowercase, and XHTML, being derived from XML, is case sensitive.

*Quirks Mode, IE7 Mode, and IE8 Mode (All Versions)*

XHTML is not supported.

1. **[DOM Level 2 - HTML] Section 1.6.5, Object definitions**

V0030:

The specification states:

version of type DOMString

Version information about the document's DTD. See the version attribute definition in HTML 4.01. This attribute is deprecated in HTML 4.01.

*All Document Modes (All Versions)*

The **version** attribute of the **HTMLHtmlElement** interface returns an empty string ("").

C0003:



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The specification states:

profile of type DOMString

URI designating a metadata profile. See the profile attribute definition in HTML 4.01.

*Quirks and IE7 Mode (All Versions)*

The **profile** attribute that is returned is the same as what the author has set in the **HEAD** element markup.

*IE8 Mode and IE9 Mode (All Versions)*

The **profile** attribute of the **HTMLHeadElement** interface returns a URI with a trailing slash if missing. For example, "http://www.contoso.com" is returned as "http://www.contoso.com/"

C0004:

The specification states:

href of type DOMString

The URI of the linked resource. See the href attribute definition in HTML 4.01.

*All Document Modes (All Versions)*

The value of the **href** attribute of the **HTMLLinkElement** interface is converted into an absolute URL when it is specified as a relative URL.

V0031:

The specification states:

media of type DOMString

Designed for use with one or more target media. See the media attribute definition in HTML 4.01.

*All Document Modes (All Versions)*

The default value for the **media** attribute of the **HTMLLinkElement** is undefined instead of the expected value of screen.

C0005:

The specification states:

aLink of type DOMString

Color of active links (after mouse-button down, but before mouse-button up). See the alink attribute definition in HTML 4.01. This attribute is deprecated in HTML 4.01.

*All Document Modes (All Versions)*



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If the value of the **alink** attribute for a **LINK** element is specified as a color string (such as black), the value is converted and stored as a hexadecimal RGB color value in the **aLink** attribute of the

**HTMLBodyElement** interface.

C0006:

The specification states:

background of type DOMString

URI of the background texture tile image. See the background attribute definition in HTML 4.01. This attribute is deprecated in HTML 4.01.

*Quirks and IE7 Mode (All Versions)*

The **background** attribute of the **HTMLBodyElement** interface is read as a relative path.

*IE8 Mode and IE9 Mode (All Versions)*

When the value of the **background** attribute for the **BODY** element is specified in HTML as a relative URI, the value is converted and stored as an absolute URI in the **background** attribute of the **HTMLBodyElement** interface.

C0007:

The specification states:

bgColor of type DOMString

Document background color. See the bgcolor attribute definition in HTML 4.01. This attribute is deprecated in HTML 4.01.

*All Document Modes (All Versions)*

If the value of the **bgcolor** attribute for a **BODY** element is specified as a color string (such as "black"), the value is converted and stored as a hexadecimal RGB color value in the **bgColor** attribute of the **HTMLBodyElement** interface.

C0008:

The specification states:

link of type DOMString

Color of links that are not active and unvisited. See the link attribute definition in HTML 4.01. This attribute is deprecated in HTML 4.01.

*All Document Modes (All Versions)*

If the value of the **link** attribute for a **BODY** element is specified in HTML as a color string (such as black), the value is converted and stored as a hexadecimal RGB color value in the **link** attribute of the **HTMLBodyElement** interface.

C0009:

The specification states:



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vLink of type DOMString

Color of links that have been visited by the user. See the vlink attribute definition in HTML 4.01. This attribute is deprecated in HTML 4.01.

*All Document Modes (All Versions)*

If the value of the **vlink** attribute for a **BODY** element is specified in HTML as a color string (such as black), the value is converted and stored as a hexadecimal RGB color value in the **vLink** attribute of the **HTMLBodyElement** interface.

V0032:

The specification states:

acceptCharset of type DOMString

List of character sets supported by the server. See the accept-charset attribute definition in HTML 4.01.

*All Document Modes (All Versions)*

If the value of the **acceptCharset** attribute of the **HTMLFormElement** interface is not set, a default value of UNKNOWN is returned instead of the value of ISO-8859-1.

C0010:

The specification states:

action of type DOMString

Server-side form handler. See the action attribute definition in HTML 4.01.

*Quirks and IE7 Mode (All Versions)*

The value of the **action** attribute of the **HTMLFormElement** interface is preserved and is not converted into an absolute URI.

*IE8 Mode and IE9 Mode (All Versions)*

When the value of the **action** attribute for the **FORM** element is specified in HTML as a relative URI, the value is converted and stored as an absolute URI in the **action** attribute of the

**HTMLFormElement** interface.

V0033:

The specification states:

elements of type HTMLCollection, readonly

Returns a collection of all form control elements in the form.

*All Document Modes (All Versions)*

**FIELDSET** elements are included in the collection of all form control elements returned by the **elements** attribute.

V0034:



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The specification states:

length of type long, readonly

The number of form controls in the form.

*All Document Modes (All Versions)*

**FIELDSET** elements are included in the collection of all form control elements enumerated by the **length** attribute.

C0011:

The specification states:

length of type unsigned long, modified in DOM Level 2 The number of options in this SELECT.

Exceptions on setting

DOMException NOT\_SUPPORTED\_ERR: if setting the length is not allowed by the implementation.

*All Document Modes (All Versions)*

Setting the value of the **length** attribute is allowed. The number of options in this **SELECT** element is increased or decreased (added or removed from the end of the options collection) as required.

C0012:

The specification states:

selectedIndex of type long

The ordinal index of the selected option, starting from 0. The value -1 is returned if no element is selected. If multiple options are selected, the index of the first selected option is returned.

*All Document Modes (All Versions)*

By default, the first option of a **SELECT** element is selected (the **selected** property on the first **OPTION** element is set toTRUE). The value -1 is never returned by **selectedIndex**.

C0013:

The specification states:

size of type long

Number of visible rows. See the size attribute definition in HTML 4.01.

*All Document Modes (All Versions)*

If no value is specified for the then the **size** attribute of the

C0014:

**size** attribute of the **SELECT** element (or the value is not a number) **HTMLSelectElement** interface is assigned the value0.



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The specification states:

tabIndex of type long

Index that represents the element's position in the tabbing order. See the tabindex attribute definition in HTML 4.01.

*Quirks and IE7 Mode (All Versions)*

The **tabIndex** attribute of the **HTMLSelectElement** interface accepts any invalid value. The value of the attribute defaults to 0 if no value is specified in HTML.

*IE8 Mode and IE9 Mode (All Versions)*

If no value, or an invalid value, is specified for the **tabindex** attribute of a **SELECT** element, the **tabIndex** attribute of the **HTMLSelectElement** interface defaults to a value of0.

C0015:

The specification states:

Interface HTMLInputElement Form control.

Note: Depending upon the environment in which the page is being viewed, the value property may be read-only for the file upload input type. For the "password" input type, the actual value returned may be masked to prevent unauthorized use.

*All Document Modes (All Versions)*

The **value** attribute of the **HTMLInputElement** interface is read-only when its value is set to file. When its value is set to password, the password value is not masked.

*All Document Modes (All Versions)*

Setting the **type** attribute of the **HTMLInputElement** interface to an invalid value throws a JScript **Error** object with a description of "Invalid argument" and an error number of 0x80070057 (-2147024809).

C0016:

The specification states:

checked of type boolean

When the type attribute of the element has the value "radio" or "checkbox", this represents the current state of the form control, in an interactive user agent. Changes to this attribute change the state of the form control, but do not change the value of the HTML checked attribute of the INPUT element. Note: During the handling of a click event on an input element with a type attribute that has the value "radio" or "checkbox", some implementations may change the value of this property before the event is being dispatched in the document. If the default action of the event is canceled, the value of the property may be changed back to its original value. This means that the value of this property during the handling of click events is implementation dependent.

*All Document Modes (All Versions)*



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If the default action of the click event is canceled, the value of the **checked** attribute of the **HTMLInputElement** interface is changed back to its original value.

The value of the **checked** attribute of the **HTMLInputElement** interface changes before a click event is dispatched.

V0035:

The specification states:

value of type DOMString

The current form control value. See the value attribute definition in HTML 4.01.

*Quirks and IE7 Mode (All Versions)*

The **value** attribute of the **HTMLButtonElement** interface returns the contents of the element. C0017:

The specification states:

href of type DOMString

The absolute URI of the linked resource. See the href attribute definition in HTML 4.01.

*All Document Modes (All Versions)*

A slash (/) is added to the end of the URI if a file name is not specified.

C0018:

The specification states:

shape of type DOMString

The shape of the active area. The coordinates are given by coords. See the shape attribute definition in HTML 4.01.

*IE8 Mode and IE9 Mode (All Versions)*

If the value of the **shape** attribute for the **A** element is set to default, the **shape** attribute of the

**HTMLAnchorElement** interface is set torect.

V0036:

The specification states:

focus

Gives keyboard focus to this element. No Parameters

No Return Value

No Exceptions

*All Document Modes (Internet Explorer 7)*



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The **focus** method of the **HTMLAnchorElement** interface is not supported. C0019:

The specification states:

longDesc of type DOMString

URI designating a long description of this image or frame. See the longdesc attribute definition in HTML 4.01.

*IE8 Mode and IE9 Mode (All Versions)*

When the value of the **longdesc** attribute for the **IMAGE** element is specified in HTML as a relative URI, the value is converted and stored as an absolute URI in the **longDesc** attribute of the

**HTMLImageElement** interface.

C0020:

The specification states:

src of type DOMString

URI designating the source of this image. See the src attribute definition in HTML 4.01.

*IE8 Mode and IE9 Mode (All Versions)*

When the value of the **src** attribute for the **IMAGE** element is specified in HTML as a relative URI, the value is converted and stored as an absolute URI in the **src** attribute of the

**HTMLImageElement**.

V0037:

The specification states:

Interface HTMLObjectElement Generic embedded object.

Note: In principle, all properties on the object element are read-write but in some environments some properties may be read-only once the underlying object is instantiated. See the OBJECT element definition in HTML 4.01.

IDL Definition

interface HTMLObjectElement : HTMLElement { readonly attribute HTMLFormElement form;

attribute DOMString code;

attribute DOMString align;

attribute DOMString archive;

attribute DOMString border;

attribute DOMString codeBase;

attribute DOMString codeType;

attribute DOMString data;

attribute boolean declare;

attribute DOMString height;

attribute long hspace;

attribute DOMString name;

attribute DOMString standby;

attribute long tabIndex;



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attribute DOMString type;

attribute DOMString useMap;

attribute long vspace;

attribute DOMString width;

// Introduced in DOM Level 2:readonly

attribute Document contentDocument;

};

*Quirks Mode and IE7 Mode (All Versions)*

The **contentDocument** attribute of the **HTMLObjectElement** interface is undefined.

*Quirks Mode and IE7 Mode (Internet Explorer 7 and Internet Explorer 8)*

The **vspace** and **hspace** attributes are of type string. V0038:

The specification states:

align of type DOMStringAligns this object (vertically or horizontally) with respect to its surrounding text. See the align attribute definition in HTML 4.01. This attribute is deprecated in HTML 4.01.

*All Document Modes (All Versions)*

The **align** attribute of the **HTMLObjectElement** interface is undefined. Its value defaults to bottom. V0039:

The specification states:

contentDocument of type Document, readonly, introduced in DOM Level 2

The document this object contains, if there is any and it is available, or null otherwise.

*Quirks Mode, IE7 Mode, and IE8 Mode (All Versions)*

The **contentDocument** attribute is not supported on the **HTMLObjectElement** interface.

C0021:

The specification states:

data of type DOMString

A URI specifying the location of the object's data. See the data attribute definition in HTML 4.01.

*Quirks Mode and IE7 Mode (All Versions)*

The **data** attribute of the **HTMLObjectElement** interface returns a URI as a relative path.

*IE8 Mode and IE9 Mode (All Versions)*



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The **data** attribute of the **HTMLObjectElement** interface returns a URI as an absolute path. C0022:

The specification states:

standby of type DOMString

Message to render while loading the object. See the standby attribute definition in HTML 4.01.

*All Document Modes (All Versions)*

The **standby** attribute is not supported on the **HTMLObjectElement** interface. C0023:

The specification states:

useMap of type DOMString

Use client-side image map. See the usemap attribute definition in HTML 4.01.

*All Document Modes (All Versions)*

The **useMap** attribute of the **HTMLObjectElement** interface is not supported for a **MAP** element that is a child of an **OBJECT** element.

V0040:

The specification states:

Interface HTMLParamElement

Parameters fed to the OBJECT element. See the PARAM element definition in HTML 4.01.

IDL Definition

interface HTMLParamElement : HTMLElement {

attribute DOMString name;

attribute DOMString type;

attribute DOMString value;

attribute DOMString valueType;

};

*Quirks Mode, IE7 Mode, and IE8 Mode (Internet Explorer 7 and Internet Explorer 8)*

All attributes of the **HTMLParamElement** interface are defined only when they are defined in the markup. For an undefined attribute, **HTMLParamElement** returns undefined.

V0041:

The specification states:

valueType of type DOMString

Information about the meaning of the value attribute value. See the valuetype



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attribute definition in HTML 4.01.

*Quirks Mode and IE7 Mode (All Versions)*

The **valueType** attribute of the **HTMLParamElement** interface returns undefined, not the default value data. If the **valuetype** attribute of a **PARAM** element is not specified in HTML, the **valueType** attribute of the **HTMLParamElement** interface returnsundefinedas the default value.

V0042:

The specification states:

Interface HTMLAppletElement

An embedded Java applet. See the APPLET element definition in HTML 4.01. This element is deprecated in HTML 4.01.

IDL Definition

interface HTMLAppletElement : HTMLElement {

attribute DOMString align;

attribute DOMString alt;

attribute DOMString archive;

attribute DOMString code;

attribute DOMString codeBase;

attribute DOMString height;

// Modified in DOM Level 2:

attribute long hspace;

attribute DOMString name;

// Modified in DOM Level 2:

attribute DOMString object;

// Modified in DOM Level 2:

attribute long vspace;

attribute DOMString width;

};

*All Document Modes (All Versions)*

The **object** attribute of the **HTMLAppletElement** interface is of type object. C0024:

The specification states:

href of type DOMString

The URI of the linked resource. See the href attribute definition in HTML 4.01.

*All Document Modes (All Versions)*

A slash (/) is appended to the end of the URI if a file name is not specified.

*IE8 Mode and IE9 Mode (All Versions)*

A slash (/) is appended to the end of the **href** attribute of the **HTMLAreaElement** interface when the **href** attribute does not end with a slash.

V0043:



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The specification states:

noHref of type boolean

Specifies that this area is inactive, i.e., has no associated action. See the nohref attribute definition in HTML 4.01.

*All Document Modes (All Versions)*

The **noHref** attribute of the **HTMLAreaElement** interface is read-only.

C0025:

The specification states:

interface HTMLAreaElement : HTMLElement shape of type DOMString.

The shape of the active area. The coordinates are given by coords. See the shape attribute definition in HTML 4.01.

*Quirks Mode and IE7 Mode (All Versions)*

The value of the **shape** attribute of the **HTMLAreaElement** interface is converted to uppercase.

*IE8 Mode and IE9 Mode (All Versions)*

If the value of the **shape** attribute for the **AREA** element is set to default in markup, the **shape** attribute of the **HTMLAreaElement** interface is set to rect.

C0026:

The specification states:

src of type DOMString

URI designating an external script.

*IE8 Mode and IE9 Mode (All Versions)*

When the value of the **src** attribute for the **SCRIPT** element is specified in HTML as a relative URI, the value is converted and stored as an absolute URI in the **src** attribute of the

**HTMLScriptElement** interface.

V0044:

The specification states:

Interface HTMLTableElement

The create\* and delete\* methods on the table allow authors to construct and modify tables. [HTML 4.01] specifies that only one of each of the CAPTION, THEAD, and TFOOT elements may exist in a table. Therefore, if one exists, and the createTHead() or createTFoot() method is called, the method returns the existing THead or TFoot element. See the TABLE element definition in HTML 4.01.

IDL Definition

interface HTMLTableElement : HTMLElement {



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// Modified in DOM Level 2:

attribute HTMLTableCaptionElement caption;

* raises(DOMException) on setting
* Modified in DOM Level 2:

attribute HTMLTableSectionElement tHead;

* raises(DOMException) on setting
* Modified in DOM Level 2:

attribute HTMLTableSectionElement tFoot;

|  |  |  |
| --- | --- | --- |
| // raises(DOMException) on setting | |  |
| readonly attribute HTMLCollection | | rows; |
| readonly attribute HTMLCollection | | tBodies; |
| attribute DOMString | align; |  |
| attribute DOMString | bgColor; |  |
| attribute DOMString | border; |  |
| attribute DOMString | cellPadding; | |
| attribute DOMString | cellSpacing; | |
| attribute DOMString | frame; |  |
| attribute DOMString | rules; |  |
| attribute DOMString | summary; |  |
| attribute DOMString | width; |  |
| HTMLElement | createTHead(); |  |
| void | deleteTHead(); |  |
| HTMLElement | createTFoot(); |  |
| void | deleteTFoot(); |  |
| HTMLElement | createCaption(); |  |
| void | deleteCaption(); |  |
| // Modified in DOM Level 2: | |  |
| HTMLElement | insertRow(in long index)raises(DOMException); | |
| // Modified in DOM Level 2: | |  |
| void | deleteRow(in long index)raises(DOMException); | |
| }; |  |  |

*Quirks Mode, IE7 Mode, and IE8 Mode (All Versions)*

The following methods are not supported on the **HTMLTableElement** interface:

**createTHead**

**deleteTHead**

**createTFoot**

**deleteTFoot**

**createCaption**

**deleteCaption**

**insertRow**

**deleteRow**

C0027:

The specification states:



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bgColor of type DOMString

Cell background color. See the bgcolor attribute definition in HTML 4.01. This attribute is deprecated in HTML 4.01.

*Quirks Mode, IE7 Mode, and IE8 Mode (All Versions)*

If the value of the **bgcolor** attribute for a **TABLE** element is specified as a color string (such as black), the value is converted and stored as a hexadecimal RGB color value in the **bgColor** attribute of the **HTMLTableElement** interface.

V0045:

The specification states:

caption of type HTMLTableCaptionElement, modified in DOM Level 2

Returns the table's CAPTION, or void if none exists.

Exceptions on setting

DOMExceptionHIERARCHY\_REQUEST\_ERR: if the element is not a CAPTION.

*IE7 Mode and IE8 Mode (All Versions)*

The **caption** attribute of the **HTMLTableElement** interface is read-only. If this attribute is set, an error object with an error message of "Member not found" and an HRESULT of 2147352573 is returned.

C0028:

The specification states:

rows of type HTMLCollection, readonly

Returns a collection of all the rows in the table, including all in THEAD, TFOOT, all TBODY elements.

*All Document Modes (All Versions)*

The **rows** attribute of the **HTMLTableElement** interface returns a collection of all rows in the following order: all **thead** rows, all **tbody** rows (in document order), and all **tfoot** rows.

C0029:

The specification states:

rules of type DOMString

Specifies which internal table borders to render. See the rules attribute definition in HTML 4.01.

*All Document Modes (All Versions)*



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If the **rules** attribute of a **TABLE** element is not specified in HTML, the **rules** attribute of the **HTMLTableElement** interface returns an empty string as the default value.

V0046:

The specification states:

tBodies of type HTMLCollection, readonly

Returns a collection of the table bodies (including implicit ones).

*Quirks Mode, IE7 Mode, and IE8 Mode (All Versions)*

If a **TABLE** element contains more than one **THEAD** or **TFOOT** element, the **tBodies** attribute of the **HTMLTableElement** interface includes these additional **THEAD** and **TFOOT** elements in its collection of table bodies.

V0047:

The specification states:

tFoot of type HTMLTableSectionElement, modified in DOM Level 2

Returns the table's TFOOT, or null if none exists.

Exceptions on setting

DOMException HIERARCHY\_REQUEST\_ERR: if the element is not a TFOOT.

*All Document Modes (All Versions)*

The **tFoot** attribute of the **HTMLTableElement** interface is read-only. If this attribute is set, an error object with an error message of "Member not found" and an HRESULT of 2147352573 is returned.

V0048:

The specification states:

tHead of type HTMLTableSectionElement, modified in DOM Level 2

Returns the table's THEAD, or null if none exists.

Exceptions on setting

DOMException HIERARCHY\_REQUEST\_ERR: if the element is not a THEAD.

*All Document Modes (All Versions)*

The **tHead** attribute of the **HTMLTableElement** interface is read-only. If this attribute is set, an error object with an error message of "Member not found" and an HRESULT of 2147352573 is returned.

V0049:

The specification states:



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deleteRow modified in DOM Level 2 Delete a table row.

Parameters

index of type long

The index of the row to be deleted. This index starts from 0 and is relative to the logical order (not document order) of all the rows contained inside the table. If the index is -1 the last row in the table is deleted.

Exceptions

DOMException INDEX\_SIZE\_ERR: Raised if the specified index is greater than or equal to the number of rows or if the index is a negative number other than -1.

No Return Value

*Quirks Mode, IE7 Mode, and IE8 Mode (All Versions)*

If the specified index is greater than or equal to the number of rows or if the index is a negative number other than –1, the **deleteRow** method of the **HTMLTableElement** interface throws a **JSErrors** exception with an error message of"Invalid argument"and an HRESULT of2147024809is returned.

V0050:

The specification states:

deleteTFoot

Delete the footer from the table, if one exists.

No Parameters

No Return Value

No Exceptions

*All Document Modes (All Versions)*

The **deleteTFoot** method of the **HTMLTableElement** interface deletes the **tFoot** element and its child nodes from the table, resulting in inaccessible child nodes.

V0051:

The specification states:

deleteTHead

Delete the header from the table, if one exists. No Parameters

No Return Value

No Exceptions



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*All Document Modes (All Versions)*

The **deleteTHead** method of the **HTMLTableElement** interface deletes the **tHead** element and its child nodes from the table, resulting in inaccessible child nodes.

V0052:

The specification states:

insertRow modified in DOM Level 2

Insert a new empty row in the table. The new row is inserted immediately before and in the same section as the current indexth row in the table. If index is -1 or equal to the number of rows, the new row is appended. In addition, when the table is empty the row is inserted into a TBODY which is created and inserted into the table.

Note: A table row cannot be empty according to [HTML 4.01].Parameters index of type longThe row number where to insert a new row. This index starts from 0 and is relative to the logical order (not document order) of all the rows contained inside the table.

Return Value HTMLElement

The newly created row.

Exceptions

DOMException INDEX\_SIZE\_ERR: Raised if the specified index is greater than the number of rows or if the index is a negative number other than -1.

*Quirks Mode, IE7 Mode, and IE8 Mode (All Versions)*

If the specified index is greater than the number of rows or if the index is a negative number other than –1, the **insertRow** method of the **HTMLTableElement** interface throws a **JSError** exception with an error message of "Invalid argument" and an HRESULT of 2147024809.

V0053:

The specification states:

align of type DOMString

Horizontal alignment of data in cells. See the align attribute for HTMLTheadElement for details.

*All Document Modes (All Versions)*

If the value of the **align** attribute for a **TBODY, THEAD,** or **TFOOT** element is set to char or justify, the **align** attribute of the **HTMLTableSectionElement** interface returns an empty string.

V0054:

The specification states:

ch of type DOMStringAlignment character for cells in a column. See the char attribute definition in HTML 4.01.



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*Quirks Mode, IE7 Mode, and IE8 Mode (All Versions)*

The **ch** attribute of the **HTMLTableSectionElement** interface returns an empty string. V0055:

The specification states:

chOff of type DOMStringOffset of alignment character. See the charoff attribute definition in HTML 4.01.

*All Document Modes (All Versions)*

The **chOff** attribute of the **HTMLTableSectionElement** interface returns an empty string. V0056:

The specification states:

deleteRow modified in DOM Level 2

Delete a row from this section.

Parameters

index of type long

The index of the row to be deleted, or -1 to delete the last row. This index starts from 0 and is relative only to the rows contained inside this section, not all the rows in the table.

Exceptions

DOMException

INDEX\_SIZE\_ERR: Raised if the specified index is greater than or equal to the number of rows or if the index is a negative number other than -1.

*Quirks Mode, IE7 Mode, and IE8 Mode (All Versions)*

If the specified index is greater than or equal to the number of rows or if the index is a negative number other than –1, the **deleteRow** method of the **HTMLTableSectionElement** interface throws a **JSError** exception with an error message of "Invalid argument" and an HRESULT of 2147024809 is returned.

V0057:

The specification states:

insertRow modified in DOM Level 2

Insert a row into this section. The new row is inserted immediately before the current indexth row in this section. If index is -1 or equal to the number of rows in this section, the new row is appended.

Parameters

index of type long

The row number where to insert a new row. This index starts from 0 and is relative



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only to the rows contained inside this section, not all the rows in the table.

Return Value

HTMLElement The newly created row.

*Quirks Mode, IE7 Mode, and IE8 Mode (All Versions)*

If the specified index is greater than the number of rows or if the index is a negative number other than –1, the **insertRow** method of the **HTMLTableSectionElement** interface throws a **JSError** exception with an error message of "Invalid argument" and an HRESULT of 2147024809 is returned.

V0058:

The specification states:

align of type DOMStringHorizontal alignment of data in cell. See the align attribute definition in HTML 4.01.

*All Document Modes (All Versions)*

If the value of the **align** attribute for a **TR** or **TD** element is set to char or justify, the **align** attribute of the **HTMLTableCellElement** interface returns an empty string.

C0030:

The specification states:

bgColor of type DOMString

Cell background color. See the bgcolor attribute

definition in HTML 4.01. This attribute is deprecated in HTML 4.01.

*Quirks Mode, IE7 Mode, and IE8 Mode (All Versions)*

If the value of the **bgcolor** attribute for a **TH** or **TD** element is specified as a color string (such as black), the value is converted and stored as a hexadecimal RGB color value in the **bgColor** attribute of the **HTMLTableCellElement** interface.

V0059:

The specification states:

ch of type DOMStringAlignment character for cells in a column. See the char attribute definition in HTML 4.01.

*Quirks Mode, IE7 Mode, and IE8 Mode (All Versions)*

The **ch** attribute of the **HTMLTableCellElement** interface has no association with the **char** attribute.

V0060:



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The specification states:

chOff of type DOMStringOffset of alignment character. See the charoff attribute definition in HTML 4.01.

*Quirks and IE7 Mode (All Versions)*

The **chOff** attribute of the **HTMLTableCellElement** interface has no association with the **charoff** attribute.

C0031:

The specification states:

height of type DOMStringCell height. See the height attribute definition in HTML 4.01. This attribute is deprecated in HTML 4.01.

*All Document Modes (All Versions)*

The **height** attribute of the **HTMLTableCellElement** interface is serialized with the "px" suffix removed if present.

C0032:

The specification states:

noWrap of type booleanSuppress word wrapping. See the nowrap attribute definition in HTML 4.01. This attribute is deprecated in HTML 4.01.

*All Document Modes (All Versions)*

The **noWrap** attribute of the **HTMLTableCellElement** interface returns true when its value is set; otherwise, it returns false.

C0033:

The specification states:

longDesc of type DOMString

URI [IETF RFC 2396] designating a long description of

this image or frame. See the longdesc attribute definition in HTML 4.01.

*IE8 Mode and IE9 Mode (All Versions)*

When the value of the **longdesc** attribute for the **IFRAME** element is specified in HTML as a relative URI, the value is converted and stored as an absolute URI in the **longDesc** attribute of the

**HTMLIFrameElement** interface.



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C0034:

The specification states:

src of type DOMString

A URI [IETF RFC 2396] designating the initial frame contents. See the src attribute definition in HTML 4.01.

*IE8 Mode and IE9 Mode (All Versions)*

When the value of the **src** attribute for the **IFRAME** element is specified in HTML as a relative URI, the value is converted and stored as an absolute URI in the **src** attribute of the

**HTMLIFrameElement** interface.

1. **Error Handling**

There are no additional considerations for error handling.

1. **Security**

There are no additional security considerations.



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**3 Change Tracking**

This section identifies changes that were made to the [MS-DOM2H] protocol document between the February 2012 and July 2012 releases. Changes are classified as New, Major, Minor, Editorial, or No change.

The revision class **New** means that a new document is being released.

The revision class **Major** means that the technical content in the document was significantly revised. Major changes affect protocol interoperability or implementation. Examples of major changes are:

A document revision that incorporates changes to interoperability requirements or functionality.

An extensive rewrite, addition, or deletion of major portions of content.

The removal of a document from the documentation set.

Changes made for template compliance.

The revision class **Minor** means that the meaning of the technical content was clarified. Minor changes do not affect protocol interoperability or implementation. Examples of minor changes are updates to clarify ambiguity at the sentence, paragraph, or table level.

The revision class **Editorial** means that the language and formatting in the technical content was changed. Editorial changes apply to grammatical, formatting, and style issues.

The revision class **No change** means that no new technical or language changes were introduced. The technical content of the document is identical to the last released version, but minor editorial and formatting changes, as well as updates to the header and footer information, and to the revision summary, may have been made.

Major and minor changes can be described further using the following change types:

New content added.

Content updated.

Content removed.

New product behavior note added.

Product behavior note updated.

Product behavior note removed.

New protocol syntax added.

Protocol syntax updated.

Protocol syntax removed.

New content added due to protocol revision.

Content updated due to protocol revision.

Content removed due to protocol revision.

New protocol syntax added due to protocol revision.



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Protocol syntax updated due to protocol revision.

Protocol syntax removed due to protocol revision.

New content added for template compliance.

Content updated for template compliance.

Content removed for template compliance.

Obsolete document removed.

Editorial changes are always classified with the change type **Editorially updated.**

Some important terms used in the change type descriptions are defined as follows:

**Protocol syntax** refers to data elements (such as packets, structures, enumerations, andmethods) as well as interfaces.

**Protocol revision** refers to changes made to a protocol that affect the bits that are sent overthe wire.

The changes made to this document are listed in the following table. For more information, please contact  [protocol@microsoft.com](mailto:protocol@microsoft.com).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Major** |  |  |  |
|  | **Tracking number (if applicable)** |  | **change** |  |  |  |
|  |  |  |
| **Section** | **and description** |  | **(Y or N)** |  | **Change type** |  |
|  |  |  |  |  |  |  |
| 1 | Updated document to remove beta tagging. |  | N | | Content updated. |  |
| Introduction |  |  |  |  |  |  |
|  |  |  |  |  |  |  |



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