

schema.org API Reference

Thing > CreativeWork > Article > TechArticle > APIReference

Reference documentation for application programming interfaces (APIs).

Property	Expected Type	Description
Properties from Thing		
<code>description</code>	Text	A short description of the item.
<code>image</code>	URL	URL of an image of the item.
<code>name</code>	Text	The name of the item.
<code>url</code>	URL	URL of the item.
Properties from CreativeWork		
<code>about</code>	Thing	Anchor link to subject matter definition of the content / reference article for the given product / technology category / Scenario / reference to code.
<code>accountablePerson</code>	Person	Specifies the Person that is legally accountable for the CreativeWork.
<code>aggregateRating</code>	AggregateRating	The overall rating, based on a collection of reviews or ratings, of the item.
<code>alternativeHeadline</code>	Text	A secondary title of the CreativeWork.
<code>associatedMedia</code>	MediaObject	The media objects that encode this creative work. This property is a synonym for

		encodings.
audio	AudioObject	An embedded audio object.
author	Person or Organization	The author of this content. Please note that author is special in that HTML 5 provides a special mechanism for indicating authorship via the rel tag. That is equivalent to this and may be used interchangeably.
awards	Text	Awards won by this person or for this creative work.
comment	UserComments	Comments, typically from users, on this CreativeWork.
contentLocation	Place	The location of the content.
contentRating	Text	Official rating of a piece of content—for example, 'MPAA PG-13'.
contributor	Person or Organization	A secondary contributor to the CreativeWork.
copyrightHolder	Person or Organization	The party holding the legal copyright to the CreativeWork.
copyrightYear	Number	The year during which the claimed copyright for the CreativeWork was first asserted.
creator	Person or Organization	The creator/author of this CreativeWork or UserComments. This is the same as the Author property for CreativeWork.
dateCreated	Date	The date on which the CreativeWork was created.
dateModified	Date	The date on which the CreativeWork was most recently modified.

<code>datePublished</code>	Date	Date of first broadcast/publication.
<code>discussionUrl</code>	URL	A link to the page containing the comments of the CreativeWork.
<code>editor</code>	Person	Specifies the Person who edited the CreativeWork.
<code>encodings</code>	MediaObject	The media objects that encode this creative work
<code>genre</code>	Text	Specifies content type and purpose that aligns with audience intent. (e.g. How-to, Security Bulletin, News, Code Sample, Reference, Support Knowledge Base (KB), FixIt Utility, Download)
<code>headline</code>	Text	Headline of the article
<code>inLanguage</code>	Text	The language of the content. Please use one of the language codes from the IETF BCP 47 standard .
<code>interactionCount</code>	Text	A count of specific user interactions with this item—for example, 20 <code>UserLikes</code> , 5 <code>UserComments</code> , or 300 <code>UserDownloads</code> . The user interaction type should be one of the subtypes of UserInteraction .
<code>isFamilyFriendly</code>	Boolean	Indicates whether this content is family friendly.
<code>keywords</code>	Text	The keywords/tags used to describe this content.
<code>mentions</code>	Thing	Indicates that the CreativeWork contains a reference to, but is not necessarily about a

		concept.
offers	Offer	An offer to sell this item—for example, an offer to sell a product, the DVD of a movie, or tickets to an event.
provider	Person or Organization	Specifies the Person or Organization that distributed the CreativeWork.
publisher	Organization	The publisher of the creative work.
publishingPrinciples	URL	Link to page describing the editorial principles of the organization primarily responsible for the creation of the CreativeWork.
reviews	Review	Review of the item.
sourceOrganization	Organization	The Organization on whose behalf the creator was working.
thumbnailUrl	URL	A thumbnail image relevant to the Thing.
version	Number	The version of the CreativeWork embodied by a specified resource.
video	VideoObject	An embedded video object.
Properties from Article		
articleBody	Text	The actual body of the article.
articleSection	Text	Articles may belong to one or more sections in a magazine or newspaper. Example – Lifestyle, sports.
wordCount	Integer	The number of words in the text of an article.
Properties from TechArticle		
dependencies	Text	Prerequisites needed to fulfill steps in article.

proficiencyLevel	Text	Beginner, Expert
technicalAudience	Text	Programmer, DBA, End-User, System Administrator, Web Developer
Properties from APIReference		
assembly	Text	Library file name e.g., mscorlib.dll, system.web.dll
assemblyVersion	Text	Associated product/technology version. e.g., .NET Framework 4.5
programmingModel	Text	Indicates whether API is managed or unmanaged
targetPlatform	Text	Type of app development: phone, Metro style, desktop, Xbox, etc

API Reference Example:

```
<html itemscope itemtype="http://schema.org/APIReference"
xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <meta name="Search.MSHAttr.APIType" itemprop="programmingModel" content="Managed"
xmlns="http://www.w3.org/1999/xhtml" />
    <meta name="Search.MSHAttr.APILocation" itemprop="assembly" content="mscorlib.dll"
xmlns="http://www.w3.org/1999/xhtml" />
    <meta itemprop="genre" content="Reference"/>
    <link rel="canonical" href="http://msdn.microsoft.com/en-us/library/ttyxaek9.aspx" />
  </head>

  <body>
```

```

<div class="toclevel1 current" itemscope itemtype="http://schema.org/APIReference">
  <a href="/en-us/library/ttyxaek9" title="String Constructor (Char[])">String
Constructor (Char[])</a>
</div>

<div itemprop="about" itemscope itemtype="http://schema.org/Product">

  <p>

    <strong>Applies to:</strong>

    <span itemprop="name">.Net Framework</span>

  </p>

  <meta itemprop="model" content="4.0"/>

  <meta itemprop="currentModel" content="4.5"/>

</div>

<div class="summary" itemprop="description">
  <p>
    Initializes a new instance of the <span>
      <a href="http://msdn.microsoft.com/en-us/library/system.string.aspx">String</a>
    </span> class to the value indicated by an array of Unicode characters.
  </p>
</div>

<div id="curversion" itemprop="assemblyVersion">
  <strong>.NET Framework 4</strong>
</div>

<span itemprop="about" itemscope itemtype="http://schema.org/CreativeWork">
  <meta itemprop="name" content=".Net Framework Development"/>
  <meta itemprop="url" content="http://msdn.microsoft.com/en-us/netframework/" />
</span>

...

<div class="codeSnippetContainer" itemscope itemtype="http://schema.org/Code"
xmlns="http://www.w3.org/1999/xhtml">

  <div class="codeSnippetContainerTabs" itemprop="programmingLanguage">
    <div class="codeSnippetContainerTab codeSnippetContainerTabActive
codeSnippetContainerTabFirst" dir="ltr">
      <a>C#</a>
    </div>
    <div class="codeSnippetContainerTab" dir="ltr">
      <a href="javascript: CodeSnippet_SetLanguage('CodeSnippetContainerLang',
'Programming', 'Visual C++');">C++</a>
    </div>
    <div class="codeSnippetContainerTab codeSnippetContainerTabLast" dir="ltr">
      <a href="javascript: CodeSnippet_SetLanguage('CodeSnippetContainerLang',
'Programming', 'Visual Basic');">VB</a>
    </div>
  </div>

```

```
<div class="codeSnippetContainerCodeContainer" >
  <div class="codeSnippetToolBar">
    <div class="codeSnippetToolBarText">
      <a name="CodeSnippetCopyLink" title="Copy to clipboard."
href="javascript:CodeSnippet_CopyCode('CodeSnippetContainerCode_b6bce6a4-518a-4296-ad7e-
9ebdf65f07b9');">Copy</a>
    </div>
  </div>
  <div id="CodeSnippetContainerCode_b6bce6a4-518a-4296-ad7e-9ebdf65f07b9"
class="codeSnippetContainerCode" dir="ltr">
    ...

  </div>
</div>
</div>
</div></div></div>

</body>
```