

Thing > CreativeWork > Article > TechArticle

A technical article – Example: How-to (task) topics, step-by-step, procedural troubleshooting, specifications, etc.

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.

<code>audio</code>	AudioObject	An embedded audio object.
<code>author</code>	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.
<code>awards</code>	Text	Awards won by this person or for this creative work.
<code>comment</code>	UserComments	Comments, typically from users, on this CreativeWork.
<code>contentLocation</code>	Place	The location of the content.
<code>contentRating</code>	Text	Official rating of a piece of content—for example, 'MPAA PG-13'.
<code>contributor</code>	Person or Organization	A secondary contributor to the CreativeWork.
<code>copyrightHolder</code>	Person or Organization	The party holding the legal copyright to the CreativeWork.
<code>copyrightYear</code>	Number	The year during which the claimed copyright for the CreativeWork was first asserted.
<code>creator</code>	Person or Organization	The creator/author of this CreativeWork or UserComments. This is the same as the Author property for CreativeWork.
<code>dateCreated</code>	Date	The date on which the CreativeWork was created.
<code>dateModified</code>	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.
<code>offers</code>	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.

<code>provider</code>	Person or Organization	Specifies the Person or Organization that distributed the CreativeWork.
<code>publisher</code>	Organization	The publisher of the creative work.
<code>publishingPrinciples</code>	URL	Link to page describing the editorial principles of the organization primarily responsible for the creation of the CreativeWork.
<code>reviews</code>	Review	Review of the item.
<code>sourceOrganization</code>	Organization	The Organization on whose behalf the creator was working.
<code>thumbnailUrl</code>	URL	A thumbnail image relevant to the Thing.
<code>version</code>	Number	The version of the CreativeWork embodied by a specified resource.
<code>video</code>	VideoObject	An embedded video object.
Properties from Article		
<code>articleBody</code>	Text	The actual body of the article.
<code>articleSection</code>	Text	Articles may belong to one or more sections in a magazine of newspaper. Example - Lifestyle, sports.
<code>wordCount</code>	Integer	The number of words in the text of an article.
Properties from TechArticle		
<code>dependencies</code>	Text	Prerequisites needed to fulfill steps in article.
<code>proficiencyLevel</code>	Text	Beginner, Expert
<code>technicalAudience</code>	Audience	Developer, DBA, End-User, System Administrator, Web Developer

TechArticle Example 1

```
<html itemscope itemtype=http://schema.org/TechArticle
xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <meta name="Description" itemprop="description" content="Summary: Learn to use the
SharePoint Foundation 2010 managed client object model to write applications that are
based on the .NET Framework and access SharePoint content from clients without installing
code on the server that runs SharePoint Foundation 2010."
      xmlns:c="urn:msdn-com:mtps/2004/1/common" xmlns="http://www.w3.org/1999/xhtml"
    />
    <meta name="keywords" itemprop="keywords" content="object model [SharePoint
2010],client object model in sharepoint 2010,sharepoint 2010 object model,sharepoint
client object model,client object model in sharepoint 2010,sharepoint 2010 object
model,sharepoint client object model"
      xmlns="http://www.w3.org/1999/xhtml" />
    <meta name="Ms.Locale" itemprop="inLanguage" content="en-us" />
    <link rel="canonical" itemprop="url" href="http://msdn.microsoft.com/en-
us/library/ee857094.aspx"
      xmlns="http://www.w3.org/1999/xhtml" />
    <meta name="DCSext.Role" itemprop="technicalAudience" content="web developers" />
    <meta itemprop="genre" content="How-to"/>
  </head>
  <body>
    <div itemprop="about" itemscope itemtype="http://schema.org/Product">
      <p>
        <strong>Applies to:</strong>
        <span itemprop="name">SharePoint Foundation 2010</span>
      </p>
      <meta itemprop="model" content="2010"/>
      <meta itemprop="currentModel" content="2010"/>
    </div>
    <div itemprop="author" itemscope itemtype="http://schema.org/Person">
      <p>
        <strong>Provided by:</strong> <span itemprop="givenName">Eric</span> <span
itemprop="familyName">
          White
        </span>, <span itemprop="worksFor">Microsoft Corporation</span>
      </p>
    </div>
    <span itemprop="about" itemscope itemtype="http://schema.org/CreativeWork">
      <meta itemprop="name" content="SharePoint - Development and Programming"/>
      <meta itemprop="url" content="http://msdn.microsoft.com/en-
us/sharepoint/aa905688.aspx"/>
    </span>
    <h1 class="heading" itemprop="articleSection">
      Overview
    </h1>
    <div id="section99" class="section">
      ...
    </div>
    ...
  </body>
</html>
```

```

<a id="SP2010ClientOM_Creating_Populating_List"></a>
<h1 class="heading" itemprop="articleSection">
  Creating and Populating a List
</h1>
<div id="section601" class="section">
  <p>
    The following example creates a list, and adds some fields and several items to
    it.
  </p>
  <div class="codeSnippetContainer" itemscope itemtype="http://schema.org/Code"
xmlns="http://www.w3.org/1999/xhtml">
    <div class="codeSnippetContainerTabs">
      <div class="codeSnippetContainerTab codeSnippetContainerTabSingle"
itemprop="programmingLanguage" dir="ltr">
        <a C#</a>
      </div>
      <meta itemprop="name" content=" Creating and Populating a List" />
      <meta itemprop="targetProduct" content="SharePoint Foundation 2010" />
    </div>
    <div class="codeSnippetContainerCodeContainer">
      <div class="codeSnippetToolBar">
        <div class="codeSnippetToolBarText">
          <a name="CodeSnippetCopyLink" title="Copy to clipboard."
href="javascript:CodeSnippet_CopyCode('CodeSnippetContainerCode_cd850452-d551-431d-b0d9-
d6dc46b73eed');">
            Copy
          </a>
        </div>
      </div>
      <div id="CodeSnippetContainerCode_cd850452-d551-431d-b0d9-d6dc46b73eed"
class="codeSnippetContainerCode"
      itemprop="codeSample" content="snippet" dir="ltr">
        <div style="color: Black;">
          <pre>
            <span style="color: Blue;">using</span> System;
            <span style="color: Blue;">using</span> Microsoft.SharePoint.Client;

            <span style="color: Blue;">class</span> Program
            {
              <span style="color: Blue;">static</span> <span style="color:
Blue;">void</span><span style="color: Blue;">Main()
              {
                ClientContext clientContext =
                <span style="color: Blue;">new</span> ClientContext(<span style="color:
#A31515;">"http://intranet.contoso.com"</span>);
                Web site = clientContext.Web;

                <span style="color: Green;">// Create a list.</span>
                ListCreationInformation listCreationInfo =
                <span style="color: Blue;">new</span> ListCreationInformation();
                listCreationInfo.Title = <span style="color: #A31515;">"Client API Test
List"</span>;
                listCreationInfo.TemplateType = (<span style="color:
Blue;">int</span><span style="color: Blue;">ListTemplateType.GenericList;
                List list = site.Lists.Add(listCreationInfo);

```



```
<span>
  <meta itemprop="ratingValue" content="3.1" />
  <meta itemprop="reviewCount" content="29" />
</div>

<h1 class="heading" itemprop="articleSection">
  Change History
</h1>
<div id="section1206" class="section">
  <h3 class="subHeading">
</h3>
  <table>
    <tr>
      <th>
        Date
      </th>
      <th>
        Reason
      </th>
    </tr>
    <tr>
      <td>
        <p>
          <span itemprop="dateModified">
            2010-01-01
          </span>
        </p>
      </td>
      <td>
        <p>
          Content update
        </p>
      </td>
    </tr>
    <tr>
      <td>
        <p>
          <span itemprop="dateCreated">2009-11-01</span>
        </p>
      </td>
      <td>
        <p>
          Initial publication
        </p>
      </td>
    </tr>
  </table>
</div>

</body>
```


Example 2

This technical article is about JavaScript and can apply to either Metro style application development, or Internet Explorer.

```
<div itemscope itemtype="http://schema.org/TechArticle">
  <h1 itemprop="headline">Fundamentals of JavaScript</h1>

  <div itemprop="about">
    <a href="http://msdn.microsoft.com/en-us/library/windows/apps/6974wx4d(v=vs.94).aspx" itemprop="url">Metro style apps</a>
  </div>

  <div itemprop="about">
    <a href="http://msdn.microsoft.com/en-us/library/ie/6974wx4d(v=vs.94).aspx" itemprop="url">Internet Explorer</a>
  </div>
</div>
```