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Diagrams

Drawio offers extensive drawing possibilities for process flowcharts, infographics and other visualizations on a wiki page. Descriptive graphics like process chains or decision trees can be constructed directly on a wiki page.

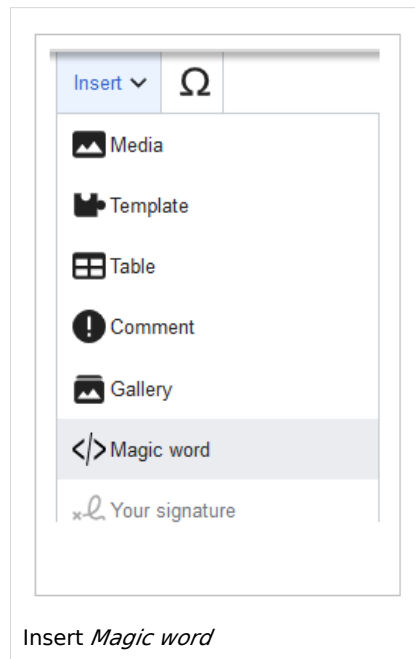
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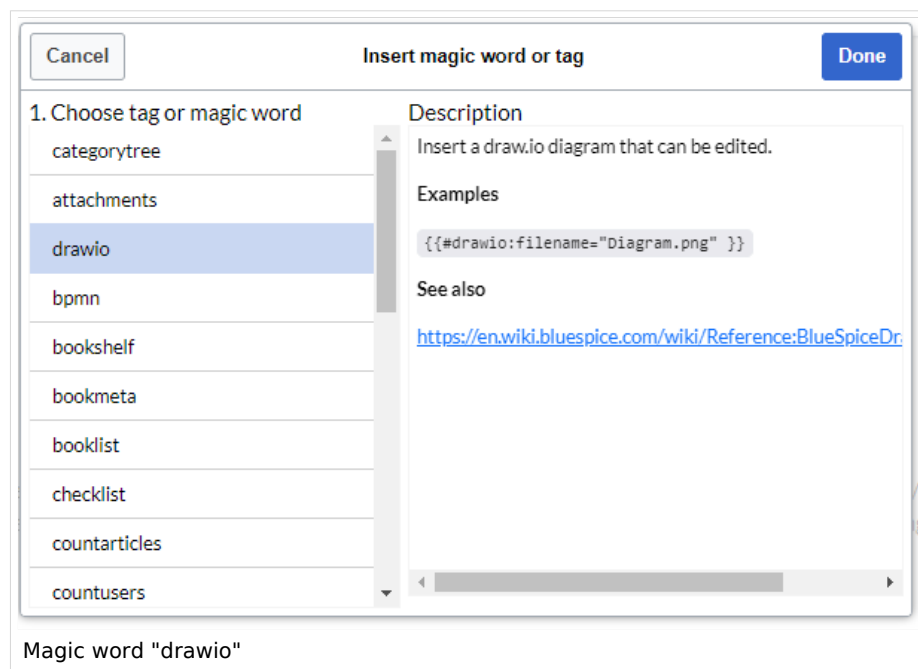
Embedding the Drawio editor

To insert a drawing in the **visual editor**:

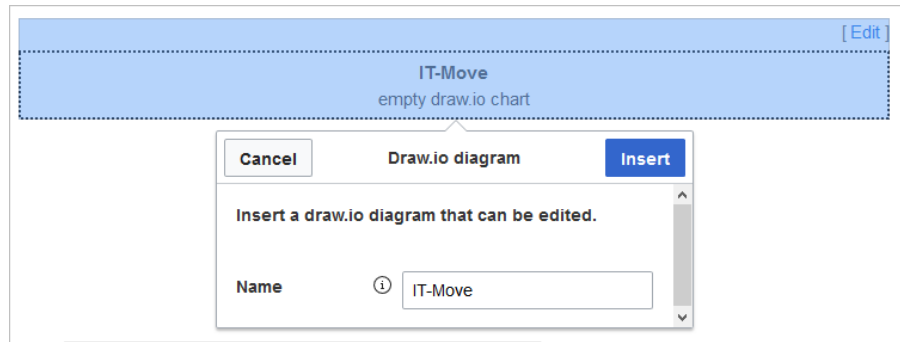
1. **Create or choose** a page where you want to insert a drawing.
2. **Select** *Insert > Magic word* from the editor toolbar.



3. **Choose** *drawio* from the list of magic words.



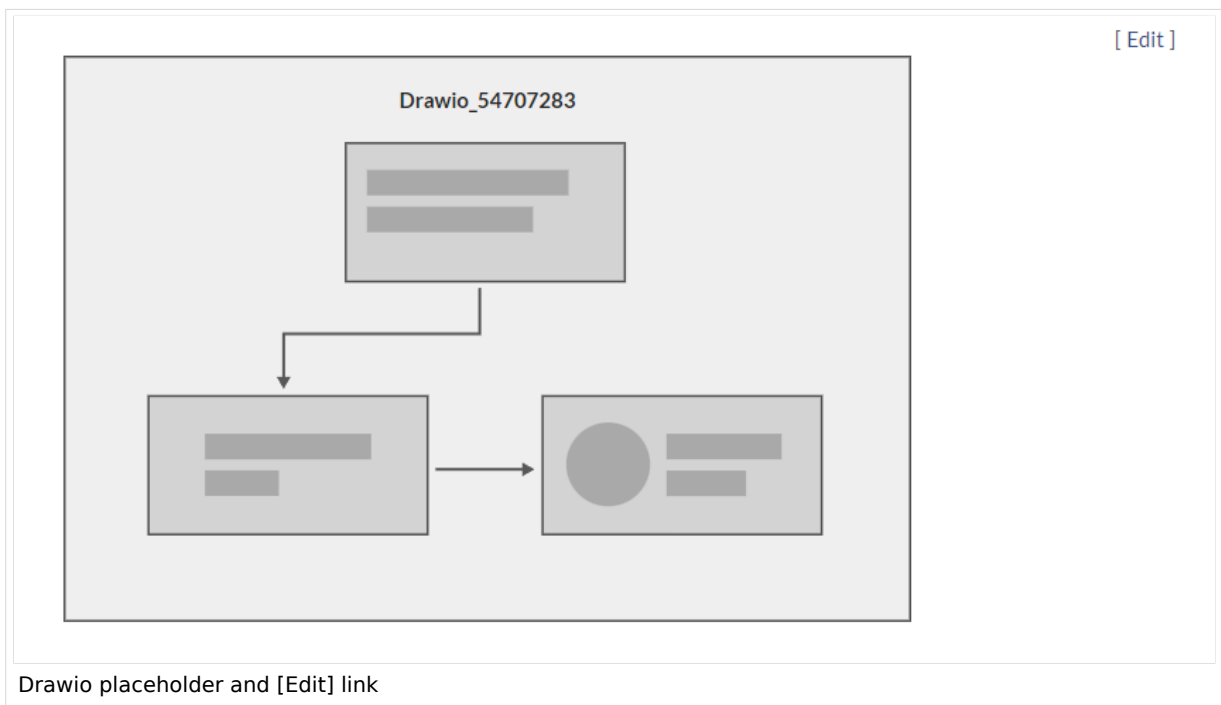
4. **Click** *Done*. This opens a dialog box. Enter a name for your drawing. This name is used to version your diagram as a PNG file in the wiki.
5. **Click** *Insert*.



This inserts the tag `<drawio filename="<nameoffile>">` in your source code.

6. **Save** the page.

The drawio editor is now available on the page.

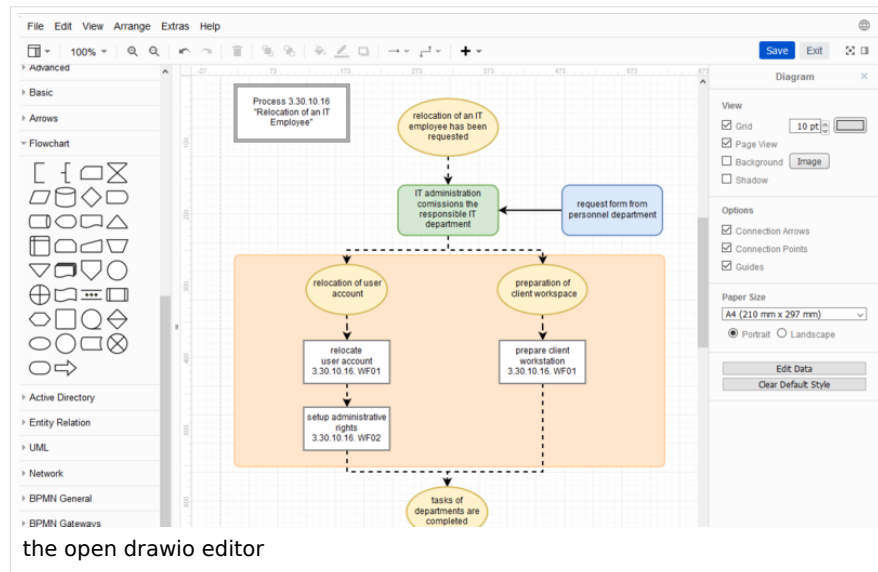


Editing the diagram

Note: To open the drawio editor, you always click on the *[Edit]* link in **page view mode**.

To edit the diagram:

1. **Click** *Edit* on the saved page next to the drawio placeholder or your already saved diagram.

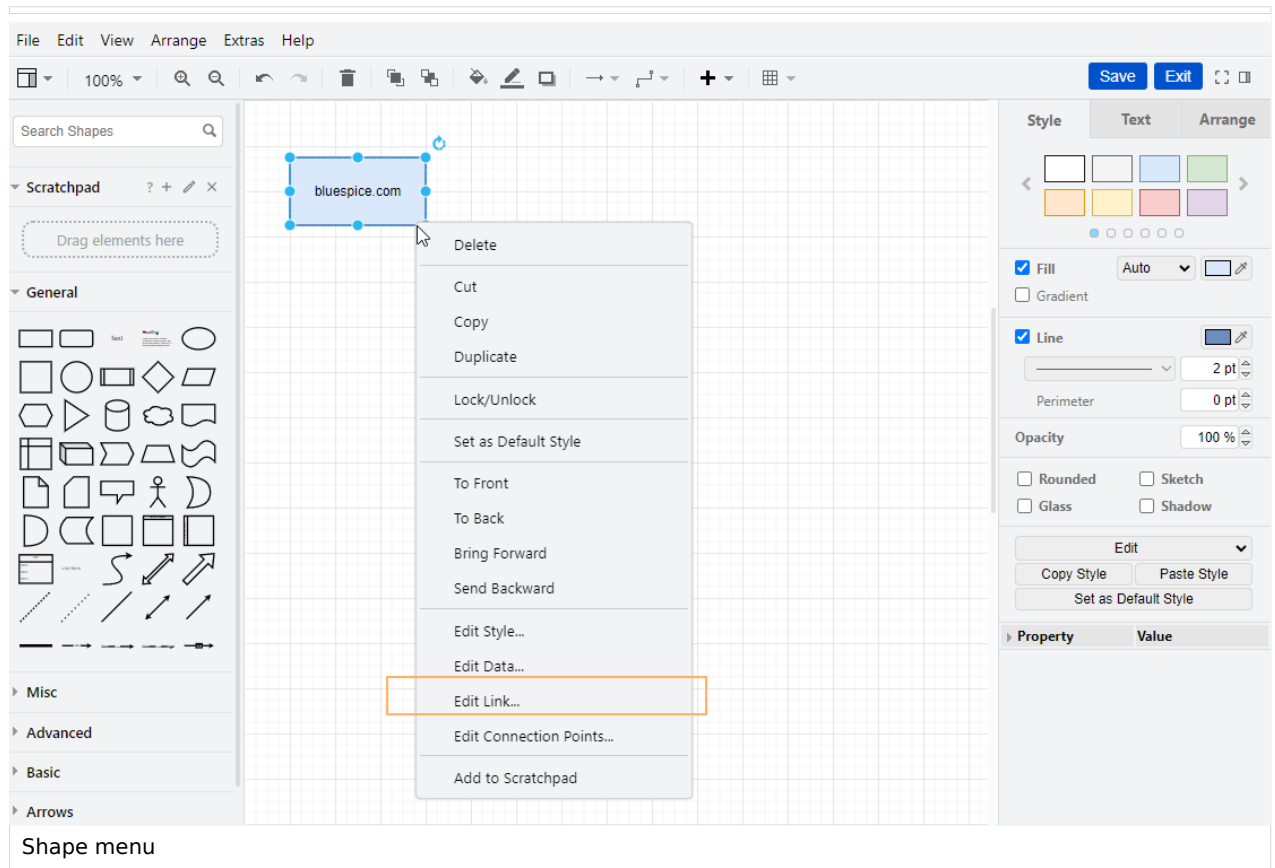


2. **Add** any needed shapes to your diagram.
3. **Click** *Save* in the drawio window to save your drawing.
4. **Click** *Exit* next to the *Save* button to close the editor.

Adding links to shapes

To add a link to a shape:

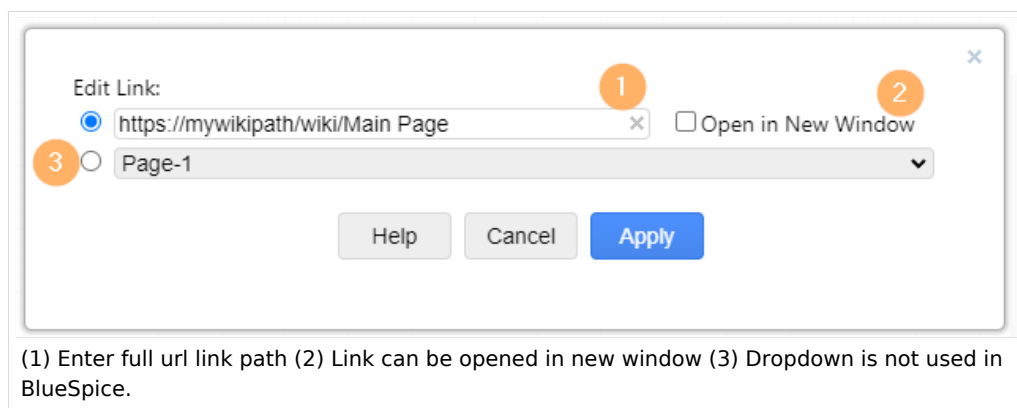
1. **Right-click** to open the shape menu.
2. **Click** Edit Link.



3. **Provide** the full path of the link.

The full path must also be specified for internal wiki pages (example external link: <https://bluespice.com>, example internal link: <https://de.wiki.bluespice.com/wiki/Manual:Extension/DrawioEditor>).

Note: The displayed dropdown menu currently has no function in BlueSpice.



4. **Click** *Apply*.
5. **Repeat** steps 1-4 for other shapes in the diagram.
6. **Click** *Save*.
7. **Click** *Exit* to close the editor.

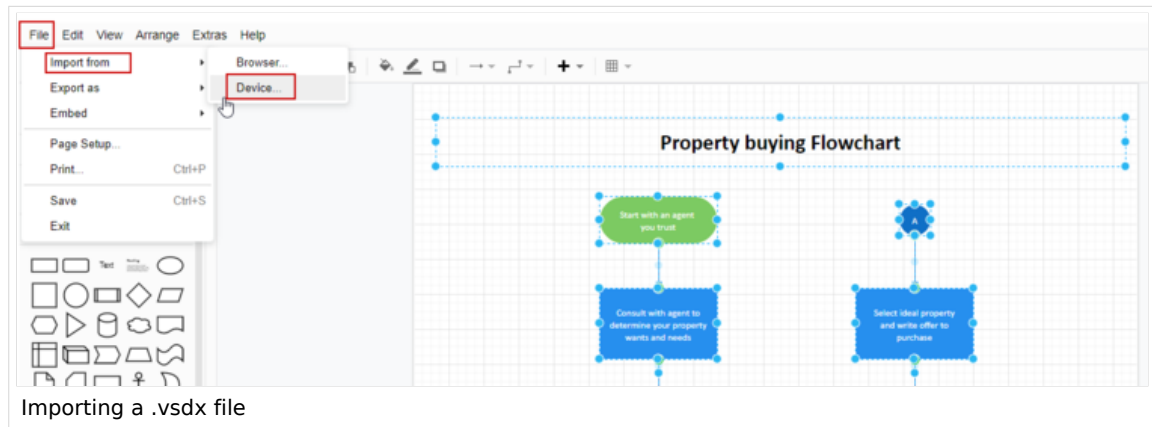
If you don't see the changes yet, click F5 on your keyboard to refresh the page.

PNG and SVG format

In BlueSpice, drawio diagrams are always saved in PNG format. It is currently not possible to save diagrams in SVG format.

Import of existing diagrams

Visio diagrams



You can import files with the extension .vsdx directly into the drawio editor and edit them further. To do this, create a diagram on a wiki page. In the drawio editor, choose *File > Import From > Device*. You can then edit the imported diagram.

Related info

- [draw.io Website](#)
- mediawiki.org/wiki/Extension:DrawioEditor
- [Reference:DrawioEditor](#)
- Anja Ebersbach, [draw.io für MediaWiki und BlueSpice](#), BlueSpice News & Know How, February 13 2020.

➔ [Technical Reference: DrawioEditor](#)

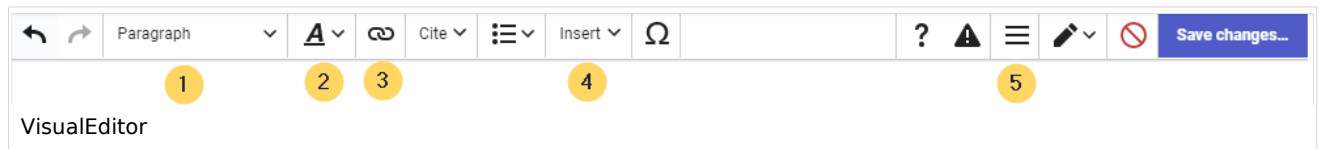
Edit

BlueSpice uses a slightly customized version of the MediaWiki extension [VisualEditor](#) as editing tool. This editor supports all common edit tasks that are useful in a wiki environment. You can refer to the official documentation for basic help. Here in the BlueSpice Helpdesk, we only give some hints and tips for using the editor.

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What is the visual editor?



The visual editor is optimized for editing wiki pages. Important characteristics and functions are:

1. **Page structuring** with headings.
2. Consistent **text formatting**.
3. **Linking** of contents.
4. **Inserting special content** (files/media, tables, templates, magic words)
5. Adjusting **page options**.

Text editing

Typical text formatting options such as **bold**, *italics*, or **text color** are available as a context menu. When you highlight text, a menu with common formatting elements appears. For example, you can apply a different text color.



Pasting content from your clipboard

If you paste content from your clipboard (e.g., copied from MS Word or MS Excel), you usually also paste many unnecessary formatting tags from the original application. To avoid, this you should paste the content as plaintext.

If you already pasted text which resulted in undesirable formatting, you can use the undo function in VisualEditor to remove the content again if you have not yet saved the page or switched between visual and source editing mode.

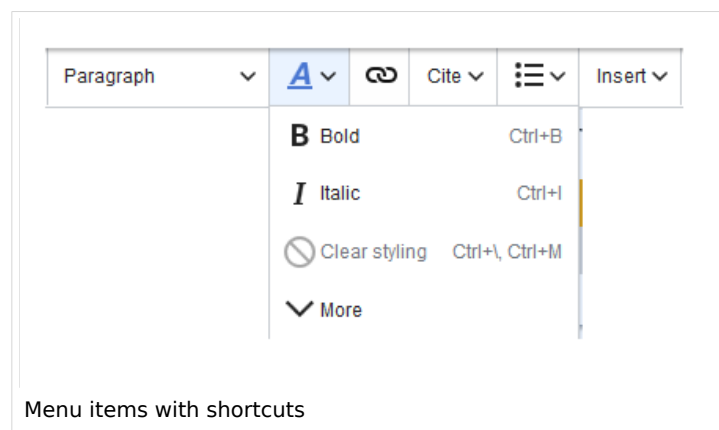
To paste content as plain text instead, use the shortcut `Ctrl+Shift+v`.



Shortcuts

If you want to apply multiple formatting options at the same time, shortcuts are often the quickest way. For example, to show text in bold and italic, highlight the text and press **Ctrl+b** (for "**bold**") and **Ctrl+i** (for "*italics*"). Even a link can be quickly inserted by pressing **Ctrl+k**. Pressing **Ctrl+b** again will cancel the bold. Multiple formats can be removed after text selection with **Ctrl+m**.

All available keyboard shortcuts are marked accordingly in VisualEditor next to each menu item.



Note: For a list of all available shortcuts, click on "Keyboard shortcuts" in the Visual Editor help menu (the question mark menu item).

Inserting other content

Many typical page elements such as images, files and tables can be integrated into your page from the *Insert* menu.

- File formats with a preview option: jpg/jpeg, png, gif, pdf
- File formats without preview option are always inserted as links (e.g., Microsoft Office formats)

If you want to learn more about inserting these elements, go to the following help pages:

- [Images](#)
- [Files \(PDF, xls, doc, ...\)](#)
- [Tables](#)

- [Templates](#)

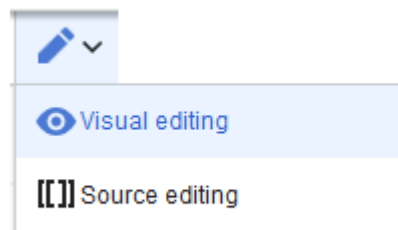
Wiki-specific content

Some functions in the *Insert* menu are little known from traditional word processing, but are quite typical for working with a wiki. Therefore, they are briefly introduced here. Find more information on the help pages here in the helpdesk or at mediawiki.org:

- **Comment:** Add comments to the page. These are only visible in the source code.
- **Gallery:** A simple picture gallery can support many process flows.
- **Magic word:** Wiki features such as signature, word counter, category tree or even process diagrams with draw.io can be integrated as a "magic word".
- **Your signature:** Only works on pages that allow signatures. Pages in the Namespace "Pages" are not included.
- **Codeblock:** Programming code is displayed here in clean code blocks, optionally with line numbers.
- **References list:** Creates footnote references.
- **Chemical formula:** The formula rendering uses an external service via Wikimedia's REST API.
- **Math formula:** An editor opens for entering a mathematical formula.

Switching between edit modes

When creating or editing a page, the page usually loads in visual editing mode. If you are familiar with the formatting language of MediaWiki ("[Wikitext](#)"), you can easily switch to source editing mode using the "Switch editor" menu item and edit your page content there:



Hints and tips

VisualEditor is optimized for editing web pages. That's why it has exactly the features that are often needed to create a wiki page. The consistent formatting of content supports the readability of your wiki content.

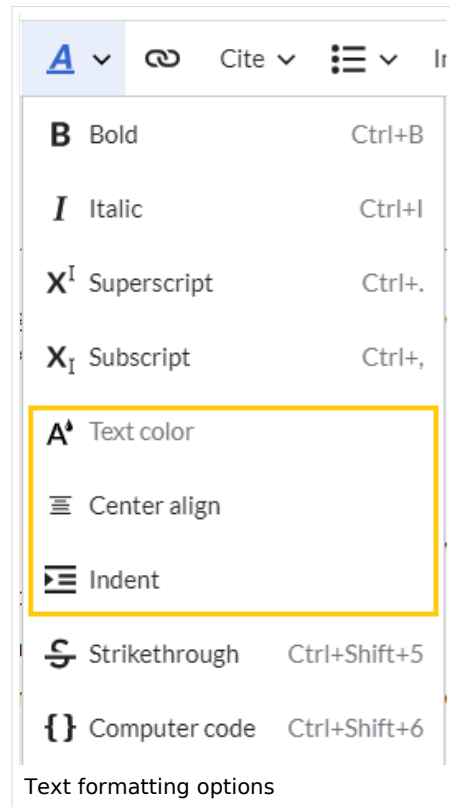
Text formatting


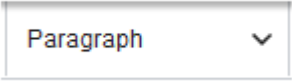
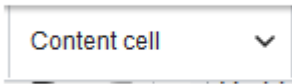
In the text formatting menu, the following additional options are available when a text passage has been selected:





Text color: different text colors can be selected via an inspector menu.

Center align: Text can be selected and centered paragraph by paragraph.



Indent: Text can be indented once (note: multiple indentation is only possible via the source text).














Text formatting	
<p>Undo function</p> 	<p>Left arrow: Undo last action (greyed out: there is no last action yet)</p> <p>Right arrow: Restore last action (greyed out: there's nothing to restore yet)</p>
<p>Format Paragraph</p> 	<p>Here text can be defined as heading or specific paragraph type. <i>Note:</i> If you work in a table, the options will change accordingly (content cell and header cell):</p> 
<p>Style text</p>	<p>If no text has been selected before clicking on the "A" button and on a button, the text will be formatted from the current position of the cursor.</p>

Text formatting	
	<p>(More Info at mediawiki.org/wiki/Help:VisualEditor/User_guide/en#Getting_Started:_The_VisualEditor-Toolbar)</p>
<p>Insert hyperlink</p> 	<p>If no text was selected before the hyperlink dialog was opened, the link will be generated with a number:</p> <p>[1] To subsequently change the hyperlink description, just click on the link to open the edit menu. In a table, you may need to double-click the cell first and then click the hyperlink again.</p>
<p>Cite</p> 	<p>The citation menu is used to insert footnote references within the text.</p>
<p>Structure</p> 	<p>Formats ordered and unordered lists. If paragraph breaks or images need to be inserted within a bullet point, use Shift+Enter to avoid creating a new list item.</p> <p>If you want to style numbered lists like 1, 1.1, 1.1.1, etc., you need to add some additional CSS instructions to the page <i>MediaWiki:Common.css</i>.</p>





Insert special content


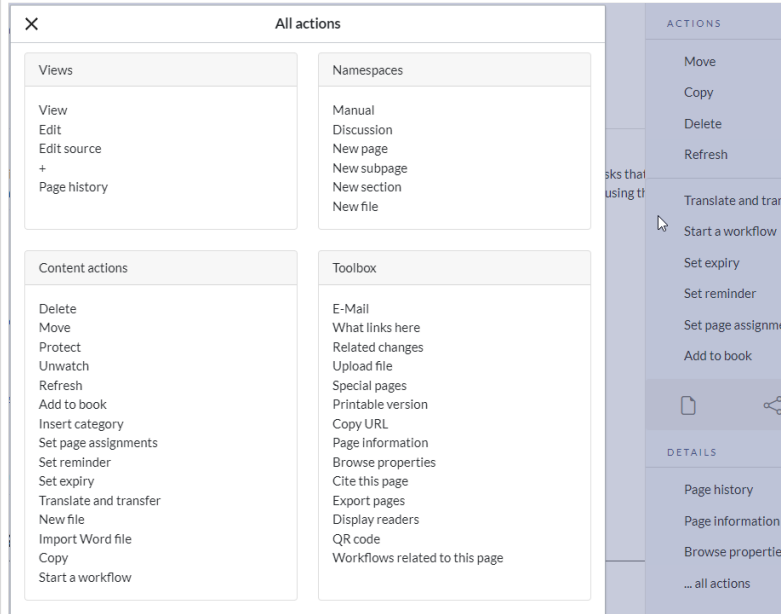




Insert special content	
<p>Insert menu</p> 	<p>Use the "insert" menu to insert various media (images, videos) and text formats:</p>
<p>Media</p>  Images and media	<p>Inserting pictures and videos</p> <p>(Details on MediaWiki)</p>
<p>Templates</p>	


Insert special content	
 Template	Include a template in the page.
<p>Tables</p>  Table	Tables are an important tool for formatting tabular page content.
<p>Comment</p>  Comment	Comments are not visible to readers, but only in edit mode. A comment can be inserted anywhere on a page. It is text-based and cannot be formatted.
<p>Magic word -v4.2.x</p>  Magic word	With a "magic word" you can insert certain wiki tags in your page. More about Magic words
<p>Gallery</p>  Gallery	Allows to display a set of images as a gallery. Formatting examples for the different settings can be found at mediawiki.org/wiki/Help:Images#Gallery_syntax
<p>Your signature</p>  Your signature	This option allows to add your wiki signature (User name and timestamp) at any location in the page.
<p>Code block</p>  Code block	With code block various code examples can be entered, like e.g. in HTML syntax. The code is then displayed properly formatted: <div style="border: 1px dashed gray; padding: 5px; margin-top: 10px;"><code>red text</code></div>
<p>References list</p>  References list	This menu item creates a <code><references /></code> tag at the location where it is inserted. The footnote references up to this point are then displayed at that location instead of the end of the page. Remaining footnotes in the page are still shown at the end of the page.
<p>Chemical formula</p>  Chemical formula	The formula rendering uses an external service via Wikimedia's REST API.
<p>Math formula</p>	It opens an editor for entering a mathematical formula.

Insert special content	
 Math formula	[[on MediaWiki]]
Special Characters 	Opens a panel to select special characters that are not available on your keyboard. To close the panel, click the menu item again.

Page options

Page options	
 Options menu	The options menu allows editing of all page settings. It is not
Options  Options	This button allows the page settings and page information to be updated simultaneously within a dialog box. To change any page options on the page, you need to be in visual editing mode .
Categories  Categories	Here, you assign the page to one or more categories while in edit mode.
Page Settings  Page settings	<p><i>Page redirection:</i> When the page is redirected, the content of the page is no longer displayed, but the target page is loaded directly.</p> <p><i>Show Table of Contents:</i> By default, a table of contents is shown if a page has more than three headings. You can use this setting to always force or suppress the table of contents.</p>
	<ul style="list-style-type: none"> <i>Let this page be indexed by search engines:</i> Only applies to public search engines. The wiki's internal search is not affected. <i>Show a tab on this page to add a new section:</i> Not supported in BlueSpice 4 Discovery skin. <i>Display title:</i> Sets a title that is shown as page heading. It can be found by the search and is used in page lists created by Semantic MediaWiki inline queries.

Page options	
<div>Advanced Settings</div> <div> Advanced settings</div>	<ul style="list-style-type: none"><i>Title visibility:</i> This setting hides the entire title section of a page and is often applied on the main page or other portal pages of the wiki. If the title is not visible, the edit button is also not available. In this case, you can click on <code>all actions... > Edit</code> in the page tools. <div></div> <div>"all actions" Menu</div>
<div>Languages</div> <div> Languages</div>	<p>Shows wiki pages on different wikis that are connected via Interlanguage links. Depending on the wiki's skin, the links are shown in a specific location. In the BlueSpice 4 Discovery skin the interlanguage links are shown in the top menu.</p> <div></div> <div>Menu item to access interlanguage links</div> <p>mediawiki.org/wiki/Help:Links#Interwiki_links</p>
<div>Templates used</div> <div> Templates used</div>	<p>List the templates that are embedded on the page.</p>
<div>View as right-to-left</div> <div> View as right-to-left <code>Ctrl+Shift+X</code></div>	<p>Support for languages that are read from right to left. Clicking this button right-side formats the page text. Click again to set the text flush left.</p>

Page options	
Find and replace	Words or characters can be searched and replaced directly on the page. The "Undo" button can be used to cancel the change.
 Find and replace Ctrl+F	

Troubleshooting: Visual editing is disabled

If you only have the source editing option in your editor toolbar, please contact an administrator of your wiki. The following settings must be checked in this case:


- Global settings via the [configuration manager](#)
- [Namespace manager](#) settings

 [Technical Reference: VisualEditor](#)

Reference:DrawioEditor

Extension: DrawioEditor

 [all extensions](#)

Overview			
Description:	Integration of diagrams		
State:	beta	Dependency:	MediaWiki
Developer:	Markus Gebert	License:	MIT
Type:	MediaWiki	Category:	Rich Articles
Edition:	BlueSpice pro, BlueSpice Farm, BlueSpice Cloud	Version:	4.1+
 View help page			

The extension **DrawioEditor** integrates the draw.io flow chart editor and allows inline editing of charts.