

**WEB CARTOGRAPHY**

**IMAGE MAP**

**2017**

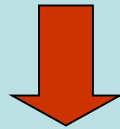
# Themes:

- **Image map:**
  - **definition,**
  - **tags,**
  - **making and**
  - **use**
- **Image map editors: Online Image Map Editors, software (EasyHTML)**
- **HTML online editors: CKEditor & others**

# IMAGE MAP

A raster file (image) with areas delimited using different shapes and these areas count with links to external files or websites.

An image-map is an image with clickable areas



References or links – to other part (tag) of the current html file, to other html file, to other file (image, sound, video) or to a website,

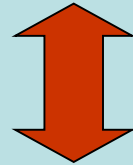
# IMAGE MAP

Types:

- Server Side Image Maps
  - NCSA – National Center for Supercomputing Applications (University of Illinois)
  - CERN – European Laboratory for Particle Physics / The birthplace of Web
- CSIM – Client Side Image Maps

# IMAGE MAP

NCSA or CERN – Image map is saved as a separate file  
(.map)



CSIM – A series of HTML tags, which are saved in the  
same file used to programme our homepage

For making an image map we need:

- A raster file (image)
- A „special” IMG tag including usemap attribute
- and data on coordinates of defined areas and links  
(MAP, AREA)

# IMAGE MAP

## Image map tags:

- **<MAP>** : Definition of a client-side image map giving a name attribute used to identify the image file within our html file. It always contains at least one **<AREA>** element.
- **<AREA>** : It defines the clickable areas in the image map and the links to be activated when clicking

*The image map tags are used together with the **<IMG>** or the **<OBJECT>** tags (I use **<IMG>**...)*

# IMAGE MAP

Using the **<MAP>** tag:

**<MAP name="image nickname">**

The „image nickname“ is not the name and extension of the „real“ image file



It is a simple and abbreviated name to be used within the HTML file, to substitute the real file name

# IMAGE MAP

Using the **<AREA>** element:

```
<AREA href="webaddress or file" alt="description"  
shape="rect" coords="X1,Y1,X2,Y2">
```

Parameters:

**href** – reference to the website or file (image, html, text etc) to open when clicking on this area

**alt** – short description of the reference

**shape** – shape of the delimited area

**coords** – coordinates of the shape



# IMAGE MAP

The **shape** attribute can be:

- **default**
  - **rect**
  - **circle**
  - **poly**
- **SHAPE=DEFAULT** *This is a required entry in a client side map. Since you will end up with space that has no action associated with it, this line is usually set to the document containing the map. In this way, it is like a do nothing command.*

The **coords** attribute can be:

- **rect**: coordinates of the top left and bottom right corner point
- **circle**: coordinates of the center (X,Y) + radius
- **poly**: sequence of coordinates (X1,Y1,X2,Y2,..., XN, YN)

# IMAGE MAP

The top left corner of the image is used as origin (0,0) to determine the coordinates

To display the image map, you need to define an IMG command as follows:

```
<IMG src=„where is the image file“  
align=left,right,etc border=0 width=Xpixels  
height=Xpixels usemap="#nickname" ISMAP  
alt=„short description">
```

# IMAGE MAP Example:

```
<IMG src="../../images/icom100.gif" align=right border=0 width=100  
height=100 usemap="#ic100" ISMAP alt="Where does you wish to  
browser over?">
```

```
<MAP NAME="ic100">
```

```
  <AREA SHAPE=POLY ALT=„Next topic"
```

```
  COORDS="49,0,37,0,25,4,14,13,50,49,85,13,74,4,60,0,49,0"
```

```
  HREF="../../alap2/alap2-1.htm">
```

```
  <AREA SHAPE=POLY ALT=„Next page"
```

```
  COORDS="99,49,99,41,97,31,91,20,84,14,50,50,84,85,91,78,9  
8,65,99,57,99,48,99,49" HREF="../../alap1/alap1-2.htm">
```

```
  <AREA SHAPE=POLY ALT=„Starting page"
```

```
  COORDS="50,99,61,99,72,95,81,89,84,86,50,50,14,85,22,92,3  
2,97,43,99,50,99" HREF="../../menualap.htm" >
```

```
  <AREA SHAPE=POLY ALT=„Previous page"
```

```
  COORDS="0,49,0,58,3,69,8,78,14,85,50,50,14,14,7,23,2,32,0,4  
2,0,49" HREF="../../menualap.htm" >
```

```
  <AREA SHAPE=default HREF="../../images/">
```

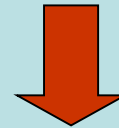
```
</MAP>
```

# IMAGE MAP

Earlier, „most traditional” use in web-based cartography



More detailed presentation of an overview map  
(e.g.: *Tátra*)



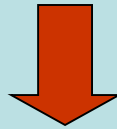
*Today this use is obsolete, because at present we can obtain a better result (better quality, interactive solution in vector format) if we use the **SWF** (Flash, coming obsolete too) or **SVG** format when saving /HTML5/.*

# IMAGE MAP

What can be the current use of image maps in web cartography?



For completing the content of a map using multimedial materials



Task: making an image map for a website

- Home
- Products
  - Mapedit
- Download
- Register
- News
- FAQ
- Screenshot
- Registered Area
- Open Source
- Merchant Accounts
- Web Tech
- Online Store
- Fun
- Activism
- Philadelphia
- Advertising
- Search
- Privacy
- About Us
- Consulting
- Contact

[Link To This](#) [Tell A Friend About This](#) [Format for Printing](#)

[Home](#) > [Products](#) > [Mapedit](#)

## Mapedit



# MAPEDIT

- Download
- Register
- News
- Documentation
- Screenshot
- Registered Area

The Best Imagemap Editor Ever.

Just \$15!

**High-quality World and United States imagemaps included in registration!**

**Mapedit is an imagemap-editing program.** Mapedit adds client-side imagemaps to web pages, simply by opening the page, selecting the image, and drawing rectangles, polygons and other shapes. There is no easier way to make an imagemap, and zoom support allows easy detail work on large images.

[Frequently Asked Questions](#)

[Downloading](#)

[Mapedit News](#)

[NEW: Registered Area](#)

[Register NOW Online!](#)

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Copyright 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005,

**Monitor  
NetFlow,  
Routers,  
LAN,  
WAN**

Virtual Memory

HELP | EDIT

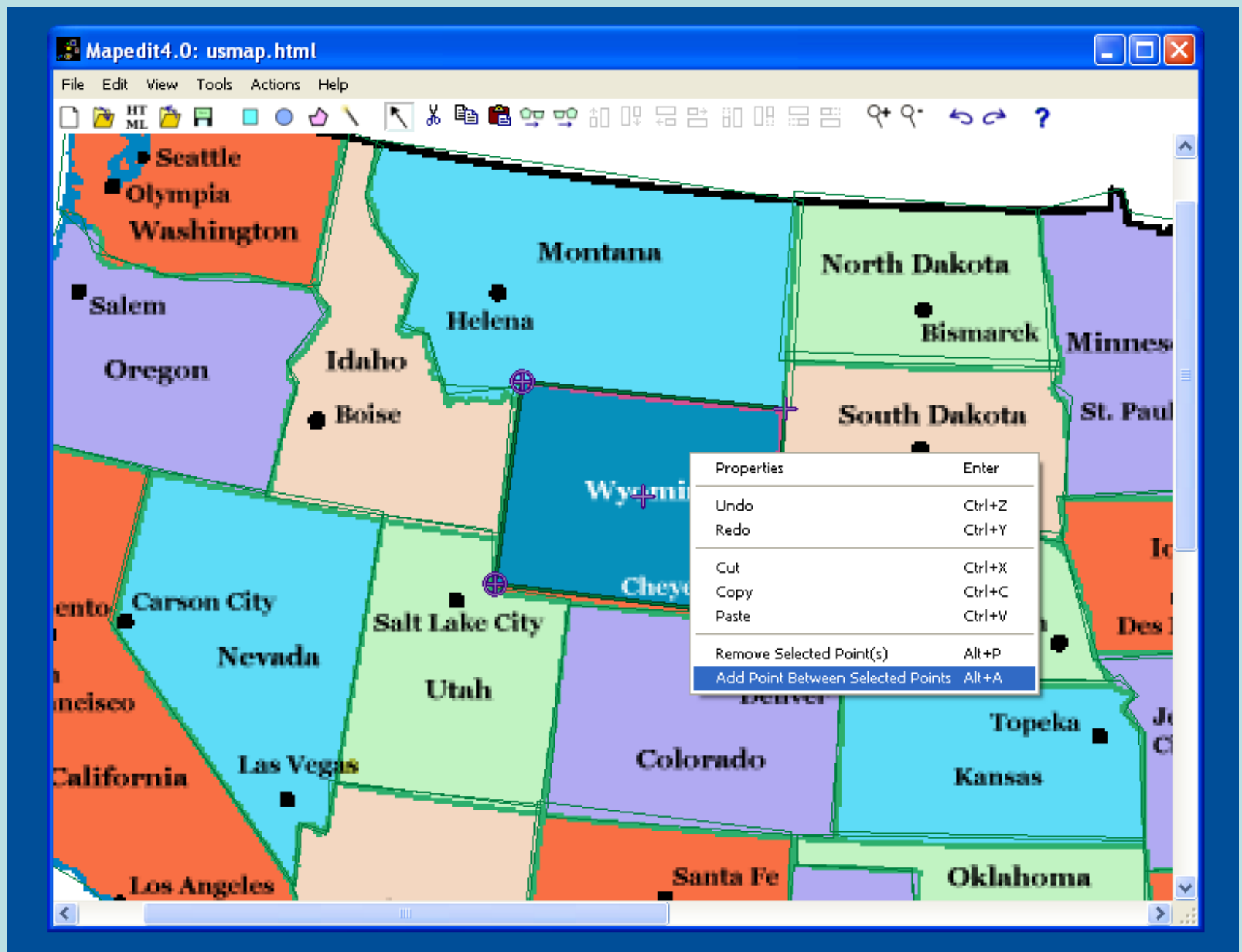
T  
U

Orion

Enterprise-class  
Network  
Monitoring at an  
Affordable Price

Mapedit

<https://boutell.com/mapedit/>



Mapedit

# Online Image Map Editor

 HUN |  ENG |  POR

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[online editor](#) :

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## Select source

Use an image on your computer:

Tallózás...

Upload

✓ accept

OR an image on the Internet:

http://

✓ accept

OR use a sample image:

sample 1

✓ accept

## Image map areas



Zoom: 100%



Output: Standard imagemap



☐ bounding box

Label with numbers



• Status


• Code



Problems? >>> [FEEDBACK](#)



# Desktop version

 Personal Open source Business Explore Pricing Blog Support This repository Search Sign in Sign up



maschek / imgmap

Watch 9Star 25Fork 17


CodeIssues 51Pull requests 0Projects 0WikiPulseGraphs

ReleasesTags

Latest release









 v2.2  
 49bc29e

## Version 2.2


 **maschek** released this on Mar 30 2015 · **5 commits** to master since this release

Latest version. Plugins can be downloaded separately.

### Downloads

 <a href="#">imgmap_2.2_108.zip</a>	8.11 MB
 <a href="#">imgmap_desktop_113.air</a>	70.8 KB
 <a href="#">plugin_fck_108.1.zip</a>	83.8 KB
 <a href="#">plugin_tinymce3_108.zip</a>	70 KB
 <a href="#">plugin_tinymce_108.zip</a>	69.2 KB
 <a href="#">plugin_xinha_108.zip</a>	68.6 KB
 <a href="#">Source code (zip)</a>	
 <a href="#">Source code (tar.gz)</a>	

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<https://github.com/maschek/imgmap/releases/tag/v2.2>

[show map](#)  
[Create self-signed SSL certificates online](#)  
[CSV to XML converter](#)  
[CYS pserver password decoder and encoder](#)  
[Decode Certificate Signing Request \(CSR\)](#)  
[Decode SSL certificate](#)  
[Electronic business card vCard generator](#)  
[Favicon generator](#)  
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[Generate Dutch bank account numbers and Dutch citizen service numbers](#)  
[Google toolbar custom button code generator](#)  
[Google maps \(API v2\) code generator](#)  
[Google map distance calculator](#)  
[Hide email address](#)  
[Hieroglyphs generator](#)  
[IBAN checker](#)  
[Icon generator](#)  
[Javascript and HTML code executor](#)  
[Javascript formatter](#)  
[Long division generator](#)  
[Lorem ipsum generator](#)  
[MD5 and SHA1 hash generator](#)  
[Mugshot maker](#)  
[Online credit card number checker](#)  
[Online credit card number generator](#)

**Input HTML image map creator:**

Upload image \*:    
 Max 100 KB.

-- Or --

Enter issued Upload code \*:  **L45**

To prevent automated submissions an Access Code has been implemented for this tool.

Please enter the Access Code as displayed above \*:

**\* = required**

---

No image uploaded

---

Default URL for areas not mapped:

---

**Enter your information.**

Region id:  **0**

Region description:

URL \*:

ALT text \*:

Title text (Same as ALT ☒):

Target:  **\_blank**

Geometric shape \*:

Coordinates \*:

onMouseOver:

onMouseOut:

onClick:



## Start Building Your Image Map

*Already have an account?* | [LOGIN](#) »

**Browse for File**

Image-Maps.com makes creating image maps for your projects fun and easy with our powerful image mapping tool. Take your image mapping to the next level and keep creating till your heart is content. There are tons of features built in to create all types of image maps effortlessly.

### Navigation

- ▶ [Blog](#)
- ▶ [Donate Now](#)
- ▶ [Contact Us](#)

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Get the latest Image Maps updates, news, ideas, offers, and more!

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### Tools

- ▶ [Apache Htaccess Password Generator](#)
- ▶ [Gradient Background Generator](#)
- ▶ [URL Encoder / Decoder with Search](#)

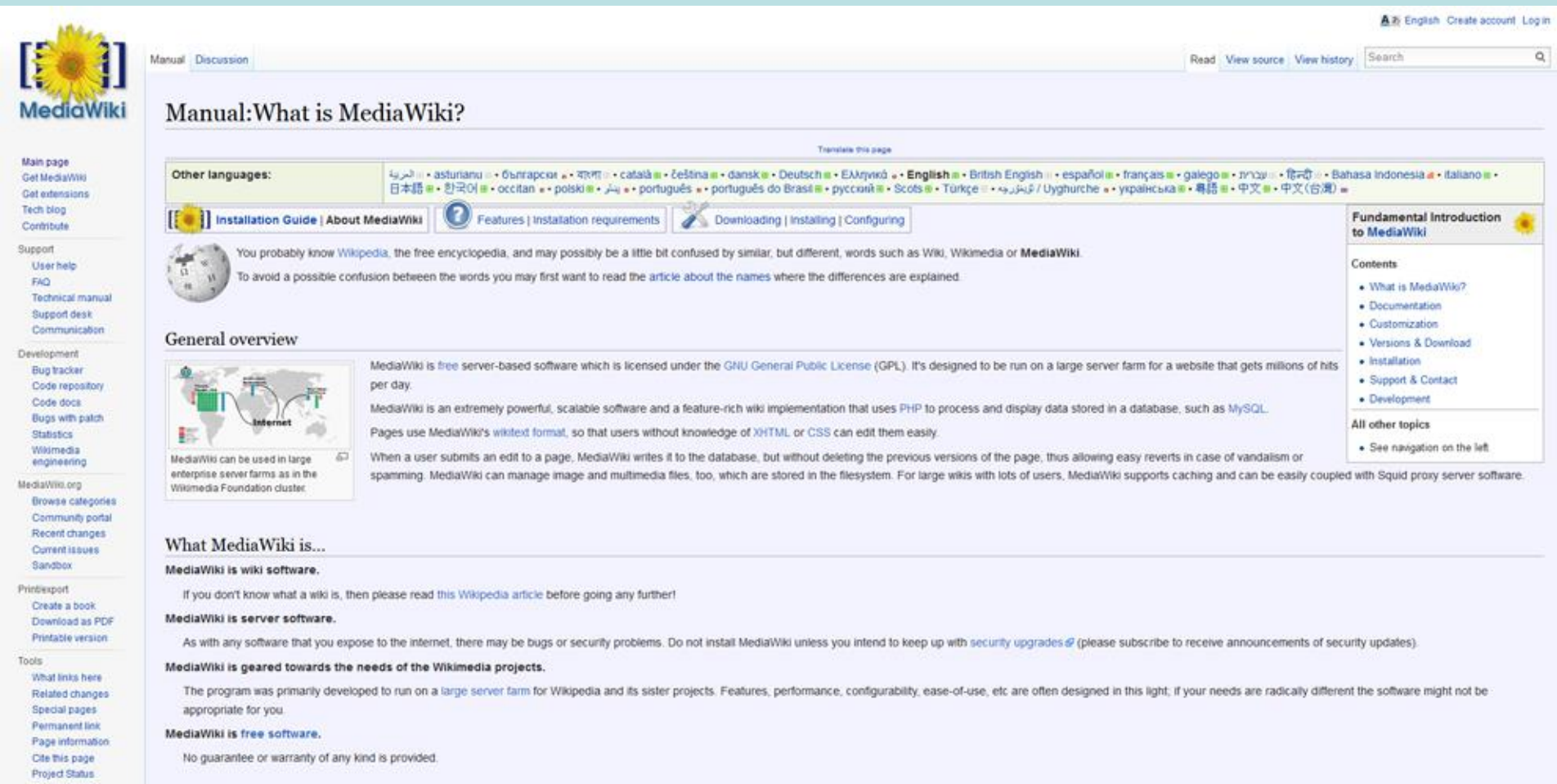
### Maps

- ▶ [US Mapped](#)
- ▶ [Image Map Rollover Example](#)



# Wiki image map – Using MediaWiki Image Map extension

(<http://www.wikihow.com/Use-the-MediaWiki-ImageMap-Extension>)



The screenshot shows the MediaWiki Manual page for 'What is MediaWiki?'. The page has a light blue header with the MediaWiki logo (a sunflower) on the left. The main content area is white with a light blue border. The page title is 'Manual:What is MediaWiki?'. Below the title, there is a 'Translate this page' button and a list of 'Other languages' including Arabic, Asturian, Belarusian, Catalan, Czech, Danish, German, English, British English, Spanish, French, Galician, Hebrew, Hindi, Indonesian, Italian, Japanese, Korean, Occitan, Polish, Portuguese, Portuguese do Brasil, Russian, Scots, Turkish, Uyghur, Ukrainian, and Chinese. The page is divided into sections: 'General overview', 'What MediaWiki is...', and 'MediaWiki is wiki software.'. The 'General overview' section includes a world map and text explaining that MediaWiki is free server-based software licensed under the GNU General Public License (GPL), designed to run on a large server farm for a website that gets millions of hits per day. The 'What MediaWiki is...' section explains that MediaWiki is wiki software, server software, geared towards the needs of the Wikimedia projects, and free software. The 'MediaWiki is wiki software.' section explains that if you don't know what a wiki is, you should read the Wikipedia article before going any further. The 'MediaWiki is server software.' section explains that as with any software that you expose to the internet, there may be bugs or security problems, and you should not install MediaWiki unless you intend to keep up with security upgrades. The 'MediaWiki is geared towards the needs of the Wikimedia projects.' section explains that the program was primarily developed to run on a large server farm for Wikipedia and its sister projects. The 'MediaWiki is free software.' section explains that no guarantee or warranty of any kind is provided. The page also has a sidebar on the left with links to the Main page, Get MediaWiki, Get extensions, Tech blog, Contribute, Support, User help, FAQ, Technical manual, Support desk, Communication, Development, Bug tracker, Code repository, Code docs, Bugs with patch, Statistics, Wikimedia engineering, MediaWiki.org, Browse categories, Community portal, Recent changes, Current issues, Sandbox, Print/export, Create a book, Download as PDF, Printable version, Tools, What links here, Related changes, Special pages, Permanent link, Page information, Cite this page, and Project Status. The sidebar on the right has a 'Fundamental Introduction to MediaWiki' section with a list of contents: What is MediaWiki?, Documentation, Customization, Versions & Download, Installation, Support & Contact, and Development. It also has a section for 'All other topics' with a link to 'See navigation on the left'.

**Manual:What is MediaWiki?**

Other languages: العربية • asturianu • беларуская • বাংলা • català • čeština • dansk • Deutsch • Ελληνικά • English • British English • español • français • galego • עברית • हिन्दी • Bahasa Indonesia • italiano • 日本語 • 한국어 • occitan • polski • پښتو • português • português do Brasil • русский • Scots • Türkçe • ئۇيغۇرچە / Uyghurche • українська • 粵語 • 中文 • 中文(台灣)

**Installation Guide** | **About MediaWiki** | **Features** | **Installation requirements** | **Downloading** | **Installing** | **Configuring**

You probably know **Wikipedia**, the free encyclopedia, and may possibly be a little bit confused by similar, but different, words such as **Wiki**, **Wikimedia** or **MediaWiki**. To avoid a possible confusion between the words you may first want to read the article about the names where the differences are explained.

### General overview

MediaWiki is **free** server-based software which is licensed under the **GNU General Public License** (GPL). It's designed to be run on a large server farm for a website that gets millions of hits per day.

MediaWiki is an extremely powerful, scalable software and a feature-rich wiki implementation that uses **PHP** to process and display data stored in a database, such as **MySQL**.

Pages use MediaWiki's **wikitext format**, so that users without knowledge of **XHTML** or **CSS** can edit them easily.

When a user submits an edit to a page, MediaWiki writes it to the database, but without deleting the previous versions of the page, thus allowing easy reverts in case of vandalism or spamming. MediaWiki can manage image and multimedia files, too, which are stored in the filesystem. For large wikis with lots of users, MediaWiki supports caching and can be easily coupled with Squid proxy server software.

### What MediaWiki is...

**MediaWiki is wiki software.**

If you don't know what a wiki is, then please read [this Wikipedia article](#) before going any further!

**MediaWiki is server software.**

As with any software that you expose to the internet, there may be bugs or security problems. Do not install MediaWiki unless you intend to keep up with [security upgrades](#) (please subscribe to receive announcements of security updates).

**MediaWiki is geared towards the needs of the Wikimedia projects.**

The program was primarily developed to run on a [large server farm](#) for Wikipedia and its sister projects. Features, performance, configurability, ease-of-use, etc are often designed in this light; if your needs are radically different the software might not be appropriate for you.

**MediaWiki is free software.**

No guarantee or warranty of any kind is provided.

### Fundamental Introduction to MediaWiki

**Contents**

- What is MediaWiki?
- Documentation
- Customization
- Versions & Download
- Installation
- Support & Contact
- Development

**All other topics**

- See navigation on the left

[http://www.mediawiki.org/wiki/Manual:What\\_is\\_MediaWiki%3F](http://www.mediawiki.org/wiki/Manual:What_is_MediaWiki%3F)

**wikiHow** to do anything...

EDITHELP USEXPLORELOG INMESSAGES

ArticleEditDiscussHome » Categories » Computers and Electronics » Internet » Wikis » MediaWiki

# How to Use the MediaWiki ImageMap Extension

Edit Article

Community Q&A

The Image Map extension to the MediaWiki software allows you to insert images with click-able links into articles on wikiHow and some other Wiki sites. With the Image Map extension, you can make an entire image serve as a link to a different article or you can select multiple areas within that image to link to different articles. The Image Map extension is a powerful and flexible tool, but because it is coded in HTML and defines regions via coordinates, many users may find it difficult to use at first. This guide will show you the easiest way to use the Image Map extension to use an image to link to another article within wikiHow. Although these instructions were written with wikiHow in mind, the steps shown here should work on other sites that have the Image Map extension enabled as well.

## Steps

**wikiHow**


Search

[[Image:Up to the image code location, if you don't. You may want to [[high a note in your alignment or size]] more after you've finished editing and previewing the page.<br><br>[[Image to wikiHow Step 9.jpg|center|550px]]<br>#Click on Publish, at the bottom of a page, to save your changes.<br><br>[[Image:Up to wikiHow Step 10.jpg|center|550px]]

Add Image to Steps

### Video


A video that provides information to the article.



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#### About this wikiHow




How helpful is this?

Co-authors: 18  
Updated: 40 weeks ago  
Views: 26,427


#### Related Articles



How to Install MediaWiki





How to Delete a Page in MediaWiki



How to Create a MediaWiki Skin Based on the MonoBook Skin

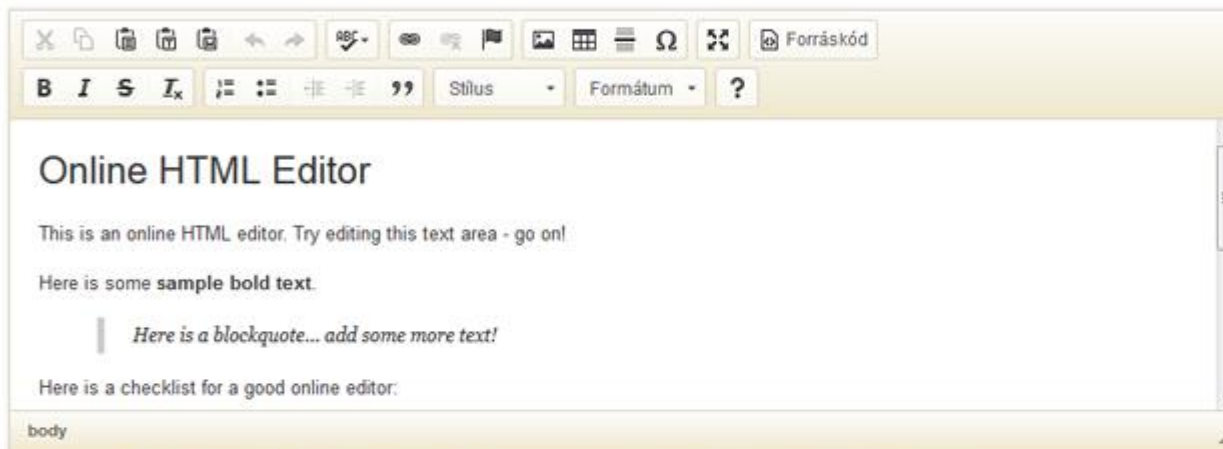
#### Did this article help you?





Wiki image map – (<http://www.wikihow.com/Use-the-MediaWiki-ImageMap-Extension>)

# Online HTML Editor

[← Online Editors](#)[Full Editor →](#)

This online HTML editor enables you to create HTML snippets for your website, blog, or email newsletter.

Use the toolbar to format the HTML page. When you're ready to see the code, click the  Source button.



**Not enough buttons?** Need a whole web page? Try the [full editor](#).

## HTML & CSS Reference

### HTML Tags

Full list of all HTML elements.

This is an alphabetical list of HTML elements, linking to a full page of details for each element.

All elements are based on the official HTML5 specification, and include usage notes, full attribute list, as well as links to the various specifications for each element (i.e. HTML4 spec, HTML5 spec, WHATWG spec).



1.3K



### HTML Editors

Online HTML Editor  
Full HTML Editor  
CK Editor - Standard  
CK Editor - Classic  
TinyMCE Editor  
HTML Scratchpad  
Table Editor

### HTML Generators

HTML Code Generator  
HTML Table Generator  
Marquee Generator  
Music Code Generator  
HTML Text Generator  
Text Box Generator

### HTML Reference

HTML Tags  
HTML 4 Tags  
HTML 5 Tags  
HTML Codes  
HTML Templates  
HTML Editors  
HTML Tutorial  
Create a Website