



# MediaWiki Image Guide

Version 1.28.0

Websoft9 MediaWiki is a pre-configured, ready to run image for running MediaWiki on Alibaba Cloud.

MediaWiki is a free and open-source wiki software package written in PHP. It serves as the platform for Wikipedia and the other Wikimedia projects, used by hundreds of millions of people each month. MediaWiki is localised in over 350 languages and its reliability and robust feature set have earned it a large and vibrant community of third-party users and developers.

## MediaWiki Stack Components

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**Software version:** MediaWiki1.28.0

**Software directory:** /data/wwwroot/default/mediawiki

**Basic software environment:** [Click here](#)

(<http://en.websoft9.com/xdocs/php-stack-linux-image-guide/>)

**PHP Configuration File:** /usr/local/php/etc/php.ini

**Virtual host Configuration File directory:** /usr/local/apache/conf/vhost.sh

**Virtual host Configuration Command:** /root/oneinstack/vhost

Database install directory: /usr/local/mysql

Database data directory: /data/mysql

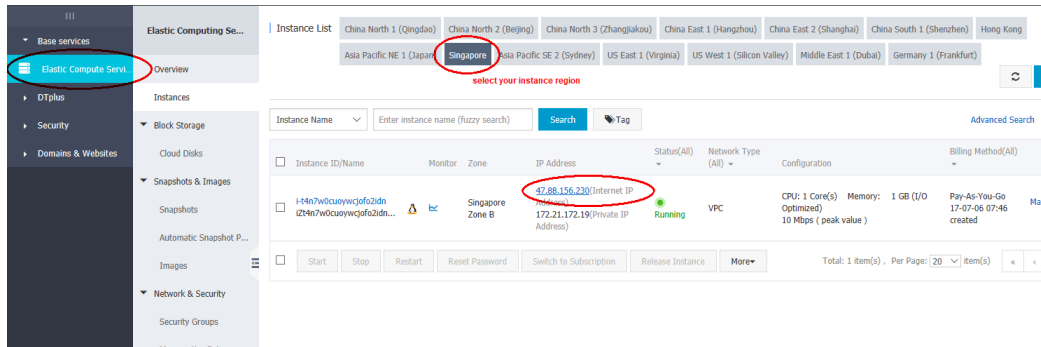
Database Configuration File: /etc/my.cnf



# Verify the Image


After the installation of Image, please verify it

- Login on Alibaba Cloud console, get your Internet IP Address




- Open your Chrome or Firefox on your local PC, visit the <http://Internet IP Address/>
- If verified successfully, you can enter the boot page of Websoft9 below

[en.websoft9.com](http://en.websoft9.com): Application installation and deployment, Cloud Hosting. [Click here](#) get more APP Images.



### Welcome to LAMP stack:

- ★ Readme : [LAMP Stack User Guide](#)
- ★ Tools : [Prober](#) [phpinfo](#) [Opcache](#)
- ★ phpMyAdmin : [phpMyAdmin](#)  
Get db root password: reference [User Guide](#)



### MediaWiki

MediaWiki is a free software open source wiki package written in PHP, originally for use on Wikipedia. It is now also used by several other projects of the non-profit Wikimedia Foundation and by many other wikis, including this website, the home of MediaWiki.

Please Refer to [《 How to Install MediaWiki 》](#) for operation , or [click here](#) access directly.

- If no response from browser, please check the Security Group settings (<https://www.alibabacloud.com/help/doc-detail/25471.htm>) to ensure that port 80 is been allowed

## Database Password

This Image use MySQL for database



**#default user/password:** root/123456

MySQL User Guide: Click here (<http://en.websoft9.com/xdocs/manage-mysql%ef%bc%88Inmplamp-image-%ef%bc%89>)

## Getting Started with MediaWiki

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**We will show you how to install MediaWiki in this section:**

- 1.Create the database required for MediaWiki,
- 2.Add a virtual host required for MediaWiki,
- 3.Start to install MediaWiki.

### Step1. Create a database

#### 1.login in MySQL:

**Method 1:**Use following URL to open phpMyAdmin page: <http://< Public net IP >/phpMyAdmin>

**Method 2:**Use SSH command to login in.

```
mysql -uroot -p          #enter mysql console
```

**#default user/password:** root/123456      More MySQL User Guide: Click here (<http://en.websoft9.com/xdocs/manage-mysql%ef%bc%88Inmplamp-image-%ef%bc%89>)

#### 2.create a database:

```
MySQL [(none)]> create database mydbname;
```

```
MySQL [(none)]> show databases;
```

#### 3.Create a Database User and grants permissions to the User:

```
MySQL [(none)]> grant all privileges on mydbname.* to  
username@'localhost' identified by 'userpassword';
```

```
MySQL [(none)]> flush privileges;
```



MySQL [(none)]> exit;

```
[root@iZbp1i4rjdsy216yq7lgucZ ~]# mysql -uroot -p123456
Warning: Using a password on the command line interface can be insecure.
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 2
Server version: 5.6.35-log Source distribution

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MySQL [(none)]> create database mydbname;
Query OK, 1 row affected (0.00 sec)

MySQL [(none)]> grant all privileges on mydbname.* to username@'localhost' identified by 'userpassword';
Query OK, 0 rows affected (0.01 sec)

MySQL [(none)]> flush privileges;
Query OK, 0 rows affected (0.00 sec)

MySQL [(none)]> exit;
Bye
[root@iZbp1i4rjdsy216yq7lgucZ ~]#
```

(<http://libs.websoft9.com/Websoft9/DocsPicture/en/common/before2.png>)

## Step2. Add a virtual host

### Use SSH Command to Add a virtual host:

```
[root@iZbp1i4rjdsy216yq7lgucZ ~]# cd /root/oneinstack
```

```
[root@iZbp1i4rjdsy216yq7lgucZ oneinstack]# ./vhost.sh
```

```
[root@iZbp1i4rjdsy216yq7lgucZ ~]# cd /root/oneinstack
[root@iZbp1i4rjdsy216yq7lgucZ oneinstack]# ./vhost.sh

#####
#       OneinStack for CentOS/RadHat 5+ Debian 6+ and Ubuntu 12+       #
#       For more information please visit https://oneinstack.com       #
#####

Please choose to use environment:
  1. Use php
  2. Use hhvm
Please input a number: (Default 1 press Enter) 1

Do you want to setup SSL under Apache? [y/n]: n

Please input domain(example: www.example.com): gj1.websoft9.cn Use your domain name

Please input the directory for the domain:gj1.websoft9.cn :
(Default directory: /data/wwwroot/gj1.websoft9.cn): /data/wwwroot/default/mediawiki

Create Virtual Host directory.....
set permissions of Virtual Host directory.....
domain=gj1.websoft9.cn

Do you want to add more domain name? [y/n]: n

Allow Apache access_log? [y/n]: y
You access log file=/data/wwwlogs/gj1.websoft9.cn_apache.log

Syntax OK
Restart Apache.....

#####
#       OneinStack for CentOS/RadHat 5+ Debian 6+ and Ubuntu 12+       #
#       For more information please visit https://oneinstack.com       #
#####
Your domain:                gj1.websoft9.cn
Virtualhost conf:           /usr/local/apache/conf/vhost/gj1.websoft9.cn.conf
Directory of:               /data/wwwroot/default/mediawiki
[root@iZbp1i4rjdsy216yq7lgucZ oneinstack]#
```

(<http://libs.websoft9.com/Websoft9/DocsPicture/en/mediawiki/mw00.png>)



## Step3. Install MediaWiki

Open your domain name via browser:

1. Choose a language,Click “set up the wiki”;



### MediaWiki 1.28.0

LocalSettings.php not found.

Please [set up the wiki](#) first.

(<http://libs.websoft9.com/Websoft9/DocsPicture/en/mediawiki/mw01.png>)

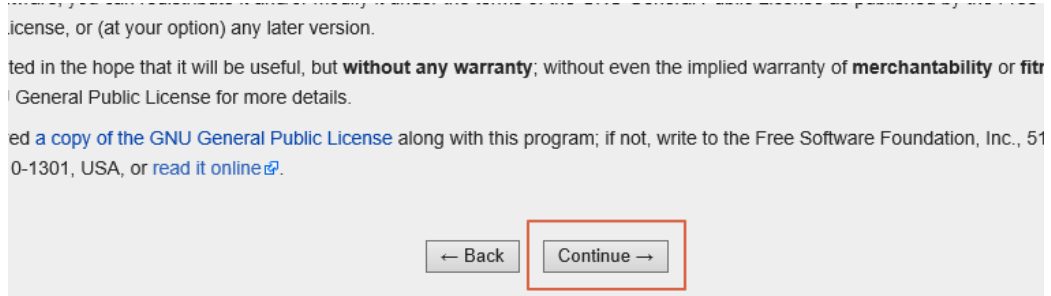
2. Choose a language,Click “Continue”;

The screenshot shows the MediaWiki 1.28.0 installation interface. On the left is a sidebar with navigation links: MediaWiki home, User's Guide, Administrator's Guide, and FAQ. Below these are links for Read me, Release notes, Copying, and Upgrading. The main content area is titled "MediaWiki 1.28.0 installation" and has a "Language" section. Under "Your language:", there is a dropdown menu with "en - English" selected and a "help" link. Under "Wiki language:", there is another dropdown menu with "en - English" selected and a "help" link. A "Continue →" button is located at the bottom right of the form.

(<http://libs.websoft9.com/Websoft9/DocsPicture/en/mediawiki/mw02.png>)



### 3. Click “Continue”;



(<http://libs.websoft9.com/Websoft9/DocsPicture/en/mediawiki/mw03.png>)

### 4.Fill in database user, password and database name,Click “Continue”;

**MySQL settings**

Database host:  
 [help](#)

Identify this wiki

Database name:  
 [help](#)

Database table prefix:  
 [help](#)

User account for installation

Database username:  
 [help](#)

Database password:  
 [help](#)

← Back    Continue →

(<http://libs.websoft9.com/Websoft9/DocsPicture/en/mediawiki/mw04.png>)



## 5. Set database character, Click “Continue”;

MediaWiki 1.28.0 installation

Database settings

Database account for web access

Use the same account as for installation

Storage engine:

InnoDB

MyISAM

[help](#)

Database character set:

Binary

UTF-8

[help](#)

(<http://libs.websoft9.com/Websoft9/DocsPicture/en/mediawiki/mw05.png>)

## 6. Set the site name, administrator account, password and mail, Click “Continue”;

[help](#)

my wiki

Project namespace:

[help](#)

Same as the wiki name: My\_wiki

Project

Other (specify)

Administrator account

Your username:

[help](#)

admin

Password:

.....

Password again:

.....

Email address:

[help](#)

3121935004@qq.com

[help](#)

Subscribe to the [release announcements mailing list](#).

[help](#)

Share data about this installation with MediaWiki developers.

You are almost done! You can now skip the remaining configuration and install the wiki right now.

Ask me more questions.

I'm bored already, just install the wiki.

(<http://libs.websoft9.com/Websoft9/DocsPicture/en/mediawiki/mw06.png>)



## 7. Click “Continue”;

ConfirmEdit  
 Gadgets  
 ImageMap  
 InputBox  
 Interwiki  
 LocalisationUpdate  
 Nuke  
 ParserFunctions  
 PdfHandler  
 Poem  
 Renameuser  
 SpamBlacklist  
 SyntaxHighlight\_GeSHi  
 TitleBlacklist  
 WikiEditor

[help](#)

---

Images and file uploads

[help](#)  
 Enable file uploads

Logo URL:

[help](#)  
  
[help](#)  
 Enable Instant Commons

---

Advanced configuration

Settings for object caching:

No caching (no functionality is removed, but speed may be impacted on larger wiki sites)  
 Use Memcached (requires additional setup and configuration)

[help](#)

(<http://libs.websoft9.com/Websoft9/DocsPicture/en/mediawiki/mw07.png>)

## 8. Click “Continue”;

### MediaWiki 1.28.0 installation

Install

 By pressing "Continue →", you will begin the installation of MediaWiki. If you still want to make changes, press "← Back".

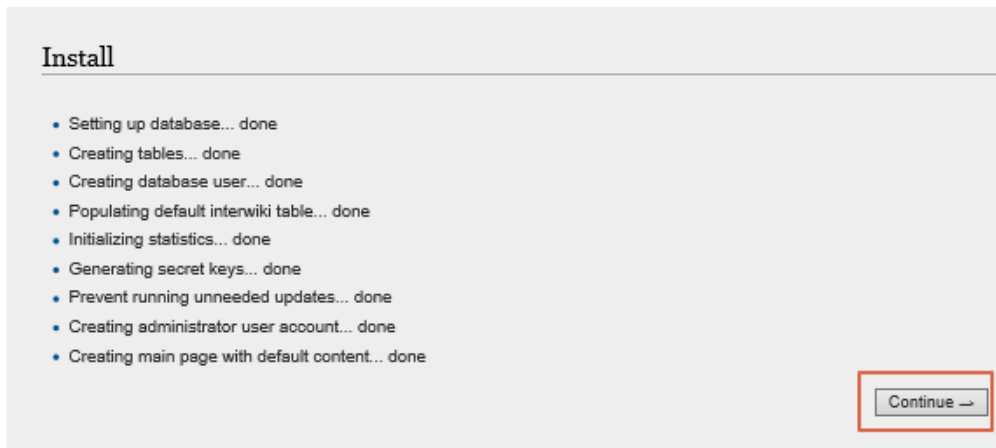
(<http://libs.websoft9.com/Websoft9/DocsPicture/en/mediawiki/mw08.png>)





## 9. Click “Continue”;

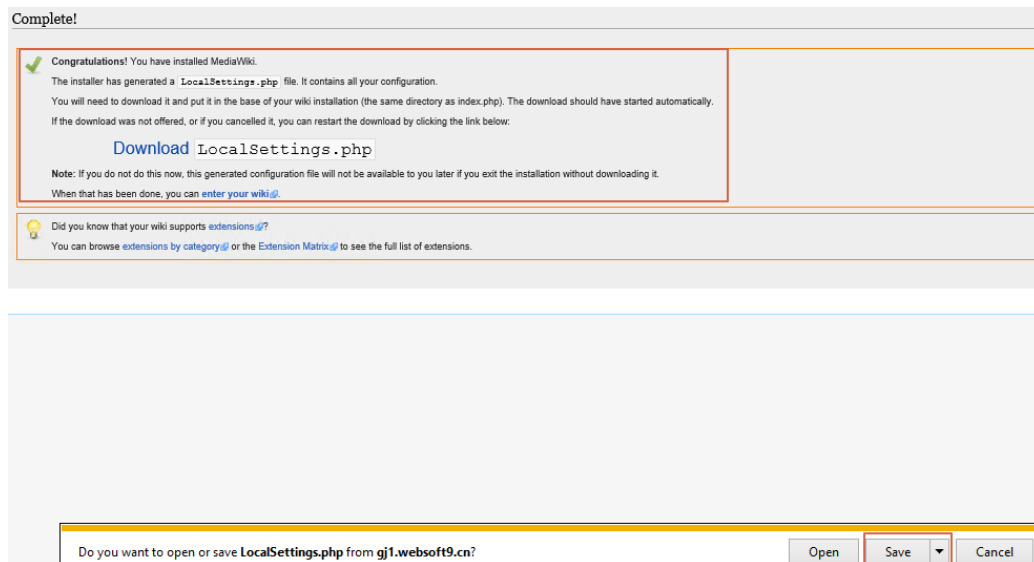
### MediaWiki 1.28.0 installation



(<http://libs.websoft9.com/Websoft9/DocsPicture/en/mediawiki/mw09.png>)

## 10. Download the file and upload it to the server

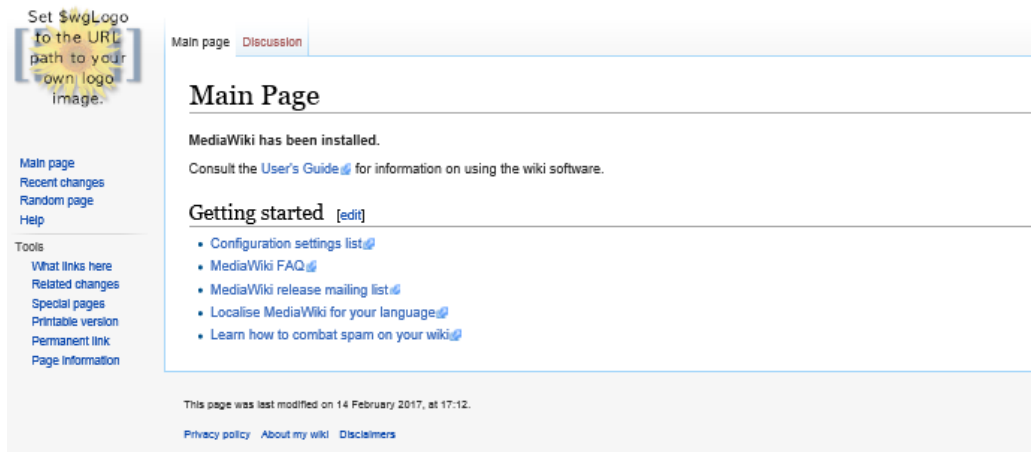
**directory:**/data/wwwroot/default/mediawiki



(<http://libs.websoft9.com/Websoft9/DocsPicture/en/mediawiki/mw10.png>)

**OK, it has been installed successfully.**

Use ***http://<domain name>/*** to go to your index page.



(<http://libs.websoft9.com/Websoft9/DocsPicture/en/mediawiki/mw11.png>)

## Using Extensions

Extensions let you customize how MediaWiki looks and works. Wiki users can browse through existing extensions or request a new extension. System administrators can install (or remove) extensions on the MediaWiki installations that they manage. Developers can write new extensions or improve or maintain existing extensions.

You can find all extension from

*</data/wwwroot/default/mediawiki/extensions>*

## Installing an extension

MediaWiki is ready to accept extensions just after installation

(<https://www.mediawiki.org/wiki/Special:MyLanguage/Manual:Installation>) is finished. To add an extension follow these steps:

### 1. **Before you start**

Many extensions provide instructions designed for installation using unix commands. You require shell access (SSH) to enter these commands listed on the extension help pages.

### 2. **Download your extension.**

Extension Distributor

(<https://www.mediawiki.org/wiki/Special:ExtensionDistributor>) helps



you to select and download most of the popular extensions.

Extensions are usually distributed as modular packages. They generally go in their own subdirectory of \$IP

([https://www.mediawiki.org/wiki/Special:MyLanguage/Manual:\\$IP/extensions/](https://www.mediawiki.org/wiki/Special:MyLanguage/Manual:$IP/extensions/) .

A list of extensions stored in the Wikimedia Git repository

(<https://www.mediawiki.org/wiki/Special:MyLanguage/Gerrit>) is

located at `git:mediawiki/extensions`

(<https://phabricator.wikimedia.org/diffusion/MEXT/browse/master/>).

Some extensions don't use version control

([https://www.mediawiki.org/wiki/Special:MyLanguage/Category:Extensions\\_which\\_hc\\_wiki](https://www.mediawiki.org/wiki/Special:MyLanguage/Category:Extensions_which_hc_wiki)) and are not recommended.

Some extensions are also available in bundles

([https://www.mediawiki.org/wiki/Special:MyLanguage/Software\\_bundles](https://www.mediawiki.org/wiki/Special:MyLanguage/Software_bundles)), composer

(<https://www.mediawiki.org/wiki/Special:MyLanguage/composer>) or package

repositories

([https://www.mediawiki.org/wiki/Special:MyLanguage/Comparison\\_of\\_extensions\\_in\\_](https://www.mediawiki.org/wiki/Special:MyLanguage/Comparison_of_extensions_in_)

### 3. Install your extension..

Generally, at the end of the `LocalSettings.php`

(<https://www.mediawiki.org/wiki/Special:MyLanguage/Manual:LocalSettings.php>) file

(but above the PHP end-of-code delimiter, "`?>`", if present), the

following line should be added:

```
// mw.v 1.24.x or less
require_once "$IP/extensions/extension_name/extension_name.php";
// mw.v 1.25.x or above
wfLoadExtension( '<extension-name>' );
```

This line forces the PHP interpreter to read the extension file, and thereby make it accessible to MediaWiki.

Some extensions can conflict with maintenance scripts, for example if they directly access `$_SERVER` (not recommended).

In this case they can be wrapped in the conditional so maintenance scripts can still run.

```
//for mw.v 1.24.x or less
if (!$wgCommandLineMode) {
    require_once "$IP/extensions/extension_name/extension_name.php";
}
//for mw.v 1.25.x or above
if (!$wgCommandLineMode) {
    wfLoadExtension ( '<extension-name>' );
}
```

The maintenance script `importDump.php`

(<https://www.mediawiki.org/wiki/Special:MyLanguage/Manual:ImportDump.php>) will

fail for any extension which requires customized namespaces which

is *included* inside the conditional above such as `Extension:Semantic MediaWiki`

([https://www.mediawiki.org/wiki/Special:MyLanguage/Extension:Semantic\\_MediaWiki](https://www.mediawiki.org/wiki/Special:MyLanguage/Extension:Semantic_MediaWiki)), `Ext Forms`

([https://www.mediawiki.org/wiki/Special:MyLanguage/Extension:Semantic\\_Forms](https://www.mediawiki.org/wiki/Special:MyLanguage/Extension:Semantic_Forms)).

---



Note:

- Ensure that required permissions are set for extensions!
- While this installation procedure is sufficient for most extensions, some require a different installation procedure. Check your extension's documentation for details.
- If you want to alter configuration variables in LocalSettings.php, you have to do this typically after including the extension. Otherwise defaults defined in the extension will overwrite your settings.
- While extension declaration can be placed in other places within the LocalSettings.php file, never place extensions before the require\_once "includes/DefaultSettings.php"; line for MediaWiki versions below 1.17 . Doing so will blank the extension setup function arrays, causing no extensions to be installed, and probably will make your wiki inaccessible until you fix it!

## Upgrading an extension

Some extensions require to be updated whenever you update MediaWiki, while others work with multiple versions. To upgrade to a new version of an extension:

1. Download the new version of the extension
2. Replace all the extension files in the `extension/ExtensionName` directory with the new files. Do not remove the extension configuration present in LocalSettings.php
3. Depending on the extension, you may have to run the Update.php (<https://www.mediawiki.org/wiki/Manual:Update.php>) maintenance script. Most extensions will mention if this script needs to be run or not. (Running the update.php script when its unnecessary will not hurt anything, so if you're unsure don't be afraid to run it). If you don't have command line access, you can also use the web updater ([https://www.mediawiki.org/wiki/Special:MyLanguage/Manual:Upgrading#Web\\_updater](https://www.mediawiki.org/wiki/Special:MyLanguage/Manual:Upgrading#Web_updater))
4. That's all you need to do. In most cases any extension configuration you have in LocalSettings.php will also work with the newer version of the extension.

---

Note: These instructions cover 99% of extensions. If the specific extension you are upgrading has instructions that differ from these, you should probably follow the specific extension's instructions



## Uninstalling an extension

Extensions are added by adding a line to LocalSettings.php, which basically looks like this:

```
// mw.v 1.24.x or less
require_once 'extensions/extension_name/extension_name.php';
// mw.v 1.25.x or above
wfLoadExtension( '<extension-name>' );
```

Depending on the extension you want to uninstall additionally other stuff might be done on installation, which you want to undo now. For details see the section on installing an extension.

1. Remove this line and the extension is uninstalled. If you want to, you can (and if you do not want to use this extension in the future you should) remove the files of this extension inside the folder “extensions/”.
2. Maybe you also have some other lines in LocalSettings.php, which have to do with the extension you want to remove. Most likely this will be lines, which give certain users the right to access pages, which are provided by the extension. These lines contain the variable “\$wgGroupPermissions” and make some settings there. As far as they have to do with rights, which come from the removed extension, you can remove these lines as well.
3. Maybe your extension also has added columns to your database. The updater maintenance/update.php removes them, when you run it, after you have uninstalled the extension.

## Backup

---

It is important to make regular backups of the data in your wiki. This page provides an overview of the backup process for a typical MediaWiki wiki; you will probably want to devise your own backup scripts or schedule to suit the size of your wiki and your individual needs.

Manual:Backing up a wiki

([https://www.mediawiki.org/wiki/Manual:Backing\\_up\\_a\\_wiki](https://www.mediawiki.org/wiki/Manual:Backing_up_a_wiki))



Manual:Restoring a wiki from backup

([https://www.mediawiki.org/wiki/Manual:Restoring\\_a\\_wiki\\_from\\_backup](https://www.mediawiki.org/wiki/Manual:Restoring_a_wiki_from_backup))

## Upgrade

---

Run upgrading, follow these steps:

1. Check the requirements
2. Read the release notes
3. Back up existing files and the database
4. Unpack the new files
5. Upgrade extensions
6. Run the update script to check the database
7. Test the updat

Read more:<https://www.mediawiki.org/wiki/Manual:Upgrading>

(<https://www.mediawiki.org/wiki/Manual:Upgrading>)

## How to modify the LocalSettings.php?

---

If you have installed MediaWiki, the installer has generated a `LocalSettings.php` file. It contains all your configuration.

You will need to **download it** and put it in the base of your wiki installation (the same directory as `index.php`). The download should have started automatically.

`LocalSettings.php` is a part of configuration of Mediawiki, you can see `includes/DefaultSettings.php` for all configurable settings. But if you make changes for `DefaultSettings.php`, they will be lost on next upgrade of MediaWiki!



# How to modify the allowed limit for upload?

Modify the `/usr/local/php/etc/php.ini` file to increase the allowed size for uploads:

```
; Maximum size of POST data that PHP will accept.  
post_max_size = 16M  
; Maximum allowed size for uploaded files.  
upload_max_filesize = 16M
```

then, restart the apache

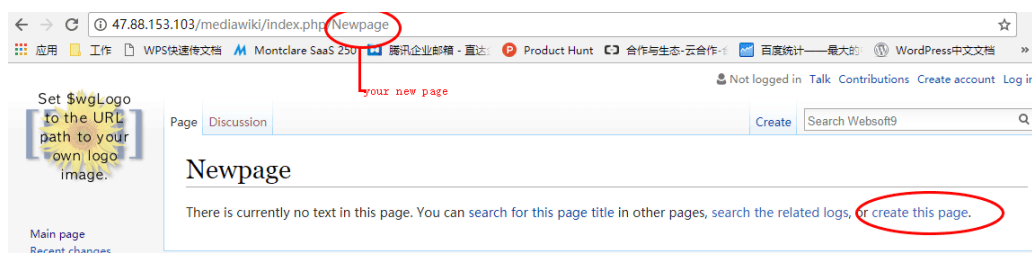
```
# service httpd restart
```

# How to create and edit a page?

## How to create a page?

There are several ways to create a new page:

- Create a link to the page on another page, then click on the red link which appears



- Browse to the intended location of the page, e.g. `http://www.example.com/index.php?title=New_page` and click on the **“Edit”**, **“Create”** or **“Create source”** link.

On some wikis, a failed search for a page will contain a link which allows you to edit that page.

See also: *Help:Starting a new page*

([https://www.mediawiki.org/wiki/Special:MyLanguage/Help:Starting\\_a\\_new\\_page](https://www.mediawiki.org/wiki/Special:MyLanguage/Help:Starting_a_new_page))



There have another effective method for creating new page.You may enter the name of a new page directly in the search field, and click the “Search” button and can choose Create this page of the results page. The new page will be named after your query.

### How to edit a page?

It's very easy to edit the contents of a wiki:

1. Click the “**Edit**” page tab at the top of the page.
2. Make changes to the text.
3. Click the “**Save page**” button.

## How to Re-installation?

Visit the URL <http://youdomin.com/mediawiki/mw-config/index.php?page=Restart&lastPage=Install>

Enter the Restart Installation below:

### MediaWiki 1.28.0 installation

Restart installation

Do you want to clear all saved data that you have entered and restart the installation process?

← Back Yes, restart it

- Language
- Existing wiki
- Welcome to MediaWiki!
- Connect to database
- Upgrade existing installation
- Database settings
- Name
- Options
- Install
- Complete!
- **Restart installation**

When remaind you that you need the UpgradeKey ,you can find \$wgUpgradeKey in then “LocalSettings.php” file

## How do I change the logo?





The logo that appears in the top left of each page is determined by the `$wgLogo` ([https://www.mediawiki.org/wiki/Manual:\\$wgLogo](https://www.mediawiki.org/wiki/Manual:$wgLogo)) configuration line in the *LocalSettings.php* (<https://www.mediawiki.org/wiki/Manual:LocalSettings.php>) file.

There are two ways to change the logo:

1. Upload a picture to your wiki using the normal file uploading interface. This allows the logo to be replaced easily, so you may want to protect the page if you use this method.

Then add the `$wgLogo` line to *LocalSettings.php*, for example:

```
$wgLogo = "{$wgUploadPath}/6/62/mylogo.png";
```

2. Upload an image to your server by other means (such as FTP).

Add the `$wgLogo` line to *LocalSettings.php*, for example:

```
$wgLogo = "{$wgScriptPath}/mylogo.jpg";
```

(In this example, the image is in the same folder as the *LocalSettings.php* file.)

If you want to change the logo in only specific pages, override `#p-logo` css's `background-image` property or use third party extension like `Extension:LogoFunctions` (<https://www.mediawiki.org/wiki/Extension:LogoFunctions>).

Caution: Do not simply overwrite the default logo installed with MediaWiki (`/skins/common/images/wiki.png`); this file will be overwritten when you upgrade.

## How do I edit the wiki's CSS?

---

You shouldn't edit the CSS files (such as `common.less`) directly, because it will make upgrading harder if you need to apply your customizations each time you upgrade the software. Instead you need to edit a wiki page called `MediaWiki:Common.css` (<https://www.mediawiki.org/wiki/MediaWiki:Common.css>) if you want to apply your CSS changes for all skins, or a wiki page



called `MediaWiki:Vector.css`

(<https://www.mediawiki.org/wiki/MediaWiki:Vector.css>) if you want to apply the customizations only for the Vector skin.

The content of the `MediaWiki:Common.css` and `MediaWiki:Vector.css` pages always overrides the default CSS styles specified in the skin files.

## How do I change which page is the main page?

---

By default, MediaWiki looks for a page with the title *Main Page* and serves this as the default page. This can be changed by altering the contents of **MediaWiki:Mainpage**

([https://www.mediawiki.org/wiki/Creating\\_a\\_MediaWiki\\_page](https://www.mediawiki.org/wiki/Creating_a_MediaWiki_page)) to point to a different title. If this does not change the 'Main Page' link included on the sidebar at install time, edit **MediaWiki:Sidebar** ([https://www.mediawiki.org/wiki/Creating\\_a\\_MediaWiki\\_page](https://www.mediawiki.org/wiki/Creating_a_MediaWiki_page)).

## How do I change the interface language?

---

To change the default interface language, alter the value of `$wgLanguageCode` ([https://www.mediawiki.org/wiki/Manual:\\$wgLanguageCode](https://www.mediawiki.org/wiki/Manual:$wgLanguageCode)) in `LocalSettings.php`, for example

```
$wgLanguageCode = "fr";
```

You may also need to bypass your browser's cache

([https://en.wikipedia.org/wiki/Wikipedia:Bypass\\_your\\_cache](https://en.wikipedia.org/wiki/Wikipedia:Bypass_your_cache)) to see the changes.

The new default interface language will be applied to all users who haven't ever customised it.

If you want to provide users the possibility to create and choose pages and interface elements in languages other than the default one of the wiki, you need the Translate extension



(<https://www.mediawiki.org/wiki/Extension:Translate>), which can make your wiki multilingual.

If you want to change the language settings for all existing users, use the `userOptions.php`

(<https://www.mediawiki.org/wiki/Manual:UserOptions.php>) maintenance script ([https://www.mediawiki.org/wiki/Manual:Maintenance\\_scripts](https://www.mediawiki.org/wiki/Manual:Maintenance_scripts)). For instance, to have all users with English set use French instead, run:

```
php userOptions.php language --old en --new fr
```

## How to enable file upload?

---

MediaWiki supports uploading and integration of media files. Uploads can be enabled via a configuration setting, although it is recommended that you check certain prerequisites first.

### Make sure uploads are enabled in PHP

The following needs to be set in `php.ini`

(<https://www.mediawiki.org/wiki/Special:MyLanguage/Manual:Php.ini>):

```
file_uploads = On
```

If this is not set, PHP scripts cannot use the upload functions, and MediaWiki's uploads will not be enabled.

If the `open_basedir` directive is set, it must include both the destination upload folder in your MediaWiki installation ("`{IP}/images`") and the `'upload_tmp_dir'` folder (default system folder if not set). The addition of the `'upload_tmp_dir'` can avoid messages like *"Could not find file `'/var/tmp/php31aWnF'`"* (where in this example the `'upload_tmp_dir'` is `'/var/tmp'`). Read more about PHP file uploads at [File upload basics](http://www.php.net/features.file-upload) (<http://www.php.net/features.file-upload>) and in particular `move_uploaded_file()` ([http://php.net/move\\_uploaded\\_file](http://php.net/move_uploaded_file)).

Note: The formal value for the variable is a boolean ([https://en.wikipedia.org/wiki/Boolean\\_algebra\\_\(logic\)](https://en.wikipedia.org/wiki/Boolean_algebra_(logic))) expression. PHP treats each string not recognized as a False value as true, hence the often used "on" value yields the same result.



## Check directory security

The upload directory needs to be configured so that it is not possible for an end user

([https://www.mediawiki.org/wiki/Talk:Configuring\\_file\\_uploads#End\\_User](https://www.mediawiki.org/wiki/Talk:Configuring_file_uploads#End_User)) to upload and execute other scripts, which could then exploit access to your web directory and damage your wiki or web site.

Set the `/images` folder (or the `/uploads` folder in previous versions) to have permission “755”:

- *User* can read, write and execute;
- *Group* can read and execute;
- *World* can read and execute.

If using `safe_mode` ([https://www.mediawiki.org/wiki/Safe\\_mode](https://www.mediawiki.org/wiki/Safe_mode)), make sure the directory is owned by the user used for running the php script (that is, the apache user or, in case of `suphp`, the script owner).

```
sudo chown -R www-data:www-data images/
```

If using CentOS 6 or Mageia the owner:group in the `chown` command should be “`apache:apache`” instead of “`www-data:www-data`”.

If using SELinux (<https://www.mediawiki.org/wiki/SELinux>), make sure to adjust the ACLs accordingly (see there).

If using `suphp` (<https://www.mediawiki.org/w/index.php?title=Suphp&action=edit&redlink=1>), make sure the `umask` is set to `0022` (or less) in `/etc/suphp.conf`.

- **Restrict directory listing on images folder**

If you don't want a public user to list your images folder, an option is to set this up in your apache configuration:

```
<Directory /var/www/wiki/images>
    Options -Indexes
</Directory>
```

## Setting uploads on/off

In MediaWiki version 1.5 and later, the attribute to be set resides in `LocalSettings.php`

(<https://www.mediawiki.org/wiki/LocalSettings.php>) and `$wgEnableUploads`



([https://www.mediawiki.org/wiki/Special:MyLanguage/Manual:\\$wgEnableUploads](https://www.mediawiki.org/wiki/Special:MyLanguage/Manual:$wgEnableUploads)) is set as follows:

```
$wgEnableUploads = true; # Enable uploads
```

This enables uploads, as one might expect. To disable them, set the attribute to false:

```
$wgEnableUploads = false; # Disable uploads
```

## Upload permissions

Per default, all registered users can upload files. To restrict this, you have to change `$wgGroupPermissions`

([https://www.mediawiki.org/wiki/Manual:\\$wgGroupPermissions](https://www.mediawiki.org/wiki/Manual:$wgGroupPermissions)):

- To prevent normal users from uploading files:

```
$wgGroupPermissions['user']['upload'] = false;
```

- To create a special group called “uploadaccess”, and allow members of that group to upload files:

```
$wgGroupPermissions['uploadaccess']['upload'] = true;
```

- To allow “autoconfirmed” (non-newbie) users to upload files:

```
$wgGroupPermissions['autoconfirmed']['upload'] = true;
```

The right to replace existing files is handled by an extra permission, called `reupload` :

- To prevent normal users from overriding existing files:

```
$wgGroupPermissions['user']['reupload'] = false;
```

- To allow “autoconfirmed” (non-newbie) users to replace existing files:

```
$wgGroupPermissions['autoconfirmed']['reupload'] = true;
```

If a `ForeignFileRepo` is set, the right to replace those files locally is handled by an special permission, called `reupload-shared` :

- To prevent normal users from overriding filerepo files locally:

```
$wgGroupPermissions['user']['reupload-shared'] = false;
```

- To allow “autoconfirmed” (non-newbie) users to replace filerepo files locally:

```
$wgGroupPermissions['autoconfirmed']['reupload-shared'] = true;
```



See **Manual:User rights**

([https://www.mediawiki.org/wiki/Manual:User\\_rights](https://www.mediawiki.org/wiki/Manual:User_rights)) for details on user rights, and Manual:Preventing access

([https://www.mediawiki.org/wiki/Manual:Preventing\\_access](https://www.mediawiki.org/wiki/Manual:Preventing_access)) for more information about restricting access.

## Mediawiki Link

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### Links

- [MediaWiki homepage \(https://www.mediawiki.org\)](https://www.mediawiki.org)