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Manual:Extension/BlueSpiceWikiFarm

> **Note:** WikiFarm is not a standard feature of BlueSpice pro and needs to be acquired separately.

WikiFarm is an architecture for BlueSpice wikis that can be used to centrally manage multiple wikis. Wikis can be created, cloned, deleted, and suspended. An administrative interface is provided for this purpose. The architecture also facilitates the maintenance of the wikis, since all wikis in the farm can be updated simultaneously.

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Farm administration

Terminology

- **WikiFarm:** Central administration of all existing wikis.
- **Root wiki:** The wiki that is used as administration interface for all wiki instances.
- **Wiki instance:** A single wiki in the farm.
- **Master wiki:** A wiki that provides the content for pre-filling a new wiki. This wiki can be copied by cloning.

Access

The WikiFarm is implemented like a standalone and complete BlueSpice wiki and can be accessed at a certain URL. On the special page `Special:SimpleFarmer` you can access the farm management functions. In the list of all special pages (`Special:SpecialPages`) you can find the farm management in the section *BlueSpice*.

Farm management

The farm management displays a complete list of all existing wiki instances with information about:

- Site name (links to the wiki)
- Globally searchable: Makes the wiki available to interwiki search between all wiki instances.
- Date of creation
- Keywords (meta information)
- Description (meta information)
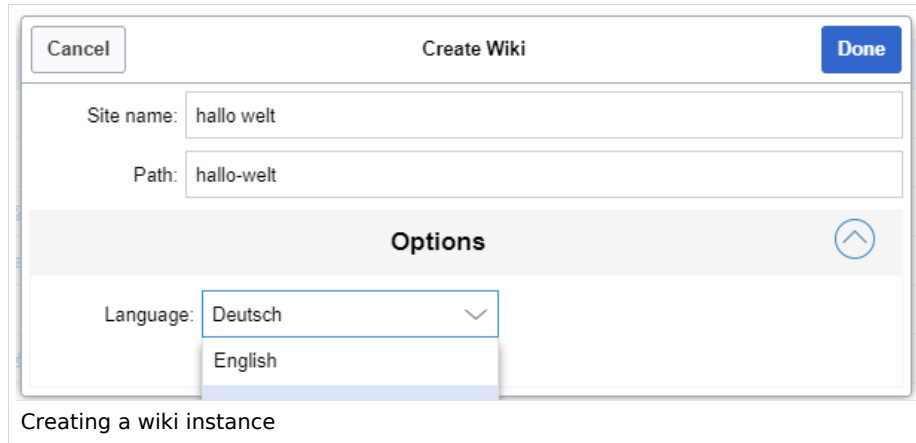
The list is filterable and sortable.

Features

In the administrative interface you can:

- Create a wiki
- Clone a wiki
- Remove a wiki
- Suspend a wiki (archive)
- Exclude a wiki from interwiki search
- Add meta information for each wiki

Create a wiki

Using the button *Create Wiki*, you create a new wiki instance:

1. **Enter** a site name
2. Click *OK*.

Creating a wiki instance

The individual wiki instances need a unique URL to make it accessible in the browser. This is automatically generated from the entered site name.

An example:

The WikiFarm is accessible at the URL `https://wiki.bluespice.com`.

While creating the wiki instance, the site name "hallo welt" has been chosen. Due to this, the following path - and therefore also the URL - of the new wiki instance will be generated:

`https://wiki.bluespice.com/hallo-welt`

Note: The website title and path cannot be changed after creating the wiki.

Clone a wiki

To clone a wiki, you select an already created wiki as a source. Clicking on the list entry marks the selected wiki and activates the *Clone Wiki* button. In the dialog window, you can enter a site name and change the path (optional).

In contrast to creating a new wiki, content and data will already be transferred during the cloning process. All articles, users, settings, namespaces, etc. are copied to the new wiki. This is, therefore, a one-to-one copy of the source wiki. This makes it possible to create master wikis, pre-fill and easily duplicate them as needed.

Remove a wiki

Deleting a Wiki is easy: just select a wiki in the list, click on the button "Remove Wiki" and the corresponding dialogue will open. Only the path to the wiki needs to be entered here. This corresponds to the name of the wiki instance as it is listed in the farm manager. Enter this in the correct notation (delimiter, uppercase and lowercase) in the field and confirm with OK. The wiki will be deleted completely.

Suspend a wiki (archive)

If you do not want to delete a wiki directly, but want to keep the contents for a while, you can also suspend and therefore archive it. The shutdown causes that the wiki becomes unavailable. When trying to access it via the URL, you will be redirected to the farm management.

Suspended wiki instances remain in the list of the farm management, but they are crossed out and the site name no longer links to the instance.

Adding meta information

The individual wikis can be described with additional metadata using the button *Edit wiki meta*. The following meta information can be provided:

- Description
- Group
- Keywords

If there is any information from other wikis in *group* and *keywords*, this information can be selected in a drop-down menu.

Editing meta information

The *description* and the *keywords* will be displayed as additional information in the list of the farm manager. This makes them filterable and sortable. The *group* is different to these information, because it is just a grouping of the wikis in the list. The groups can be expanded and collapsed.

Creating new groups and keywords

Groups and *keywords* are created directly in the dialog window for entering meta information of a wiki instance.

- **Group:** If you need a new group for a wiki instance, enter the name in the text field and click *Done*.
- **Keyword:** If you want to create a new keyword, enter the keyword in the text field and finish it with a comma. Then click done.

Valid site names and paths

When creating and cloning a wiki, you can also use spaces or umlauts when entering the site name. Spaces are automatically converted to hyphens and umlauts according the right notation, e.g. "Ü" to "ue". Also upper and lower case is possible and is taken into account.

When removing a wiki instance, the system is not as tolerant. The input must match one-to-one with the path specification so that the wiki can be deleted.

Logs

All actions are stored in a logfile so that they can be tracked.

Related info

- [Copying and publishing contents between wiki instances](#)
- [WikiFarm installation](#)

➡ Technical Reference: BlueSpiceWikiFarm

Content transfer between Farm instances

The functionality "Push & Merge" for WikiFarm copies the content of wiki pages to new or already existing pages in a different wiki of the same farm. In case of existing content, the merge mechanism asks the user to decide whether to keep or overwrite this content.

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Selecting source files

At least two wikis in the same farm are required (source wiki and target wiki). The content transfer is initiated with the special page `Special:ContentTransfer` in the source wiki. A user needs the necessary "push" rights to use this page.

User interface for transfering content

Selection of target wiki and source content

- **Receiving:** Selection of the wiki, to which the content will be copied. The target wiki is always in the same wiki farm as the source wiki.
- **Include related:** Content that is linked from the selected pages (linked pages, files, templates) can be included in the transfer or excluded if this option is deselected.

Filter options

The following search filter options can be used to retrieve a list of transfer candidates in the source wiki:

- **Modified since:** shows only pages that have been modified since a selected date regardless of the last transfer.
- **Modified since last transfer:** shows only pages that have been change since their last transfer to the selected target. This will also affect included ressources.
- **Page name:** filters the source pages based on naming pattern.
- **Namespace:** shows pages from a particular namespace.
- **Category:** shows pages from a particular category.

- **Only modified pages:** shows only pages that have been change since their last push to the selected target.
- **Select all/select none:** the shown pages from the filtered lilst can be completely selected or deselected for the push.

Starting the transfer

Clicking the button *Transfer* initiates the transfer mechanism.

- **Maximum number of transferred pages:** The maximum number of pages is 200 per transfer. If you want to copy more than that, the pages have to be copied in multiple transfers.
- **Non-existing namespace (target wiki):** If the namespace of the selected pages does not exist in the target wiki, the user is notified that the namepsace has to be created in the target wiki in advance.

Pushing the pages

After selecting *Push*, the files are copied over to the target wiki. The following files are included, if applicable:

- the selected pages and the following associated pages and files:
  - Category pages
  - Books
  - Templates
  - Files

Protected pages: If a page cannot be copied - for example, because a draft page is protected during a review workflow - you will be notified accordingly. You can decide whether you want to overwrite the page anyway or skip it.

After the selection of pages from the source wiki is complete, a new dialog window for the transfer opens. It containsn the path to the target wiki and a list of all pages that will be copied.

In this window, you can also see the transfer progress as well as a final transfer report.

All transferred pages and files continue to exist in the source wiki. They have to be deleted manually, if they are no longer nedded there.

Merging pages with approval feature

If a page already exists, the changes need an approval by a user with approval rights if the target namespace has the feature *FlaggedRevs* (approvals) activated.

For existing pages or wiki items (template, category, file), the changes are done. The changes consist in merging line by line after interactive selection by the user. A new wiki item is set in "pending" status. The new item is then marked as "draft".

- All „pending" pages are listed on a special page *Unreviewed pages*.,
- From this special page, the user can browse to these pages, check the differences and approve each page after editing the draft version.

Wiki admins or editors can be notified about new pendings in e-mail.

Related info

- Reference:ContentTransfer
- Reference:MergeArticles

→ Technical Reference: ContentTransfer

Reference:BlueSpiceWikiFarm

Extension: BlueSpiceWikiFarm

→ all extensions

Overview			
Description:	User interface for managing wiki instances.		
State:	stable	**Dependency:**	BlueSpice
Developer:	HalloWelt	**License:**	GPL v3
Type:	BlueSpice	**Category:**	Administration
Edition:	BlueSpice Farm	**Version:**	4.1+
	? **View help page**		

BlueSpiceWikiFarm offers intuitive user inteface for creating and managing separate wiki instances directly from the wiki. All wiki instances are compeletely independent from one another.

Usage

Every WikiFarm has a **root** wiki and **instance** wikis. There is only one **root** wiki and it serves a management wiki for the instances.

Technical information

Configuration

Rights (permissions)

Requirements

User manual

For detailed description and usage, visit our user manual.

Try free our BlueSpice

BlueSpiceDemo.

Setup:Installation Guide/Installation BlueSpice WikiFarm

Contents

An existing BlueSpice pro installation can easily be extended with BlueSpiceWikiFarm. The existing installation assumes the role of the main wiki (=farm management). The contents remain there and can be maintained as usually.

> **Note:** WikiFarm is not a standard feature of BlueSpice pro and needs to be acquired separately.

PHP prerequisites

Please ensure that the PHP extension ZIP is archived, which is required for BlueSpiceWikFarm.

Ensuring the correct path in the file system

Important for the operation of BlueSpiceWikiFarm is that BlueSpice is located in the directory `/w` of the DocumentRoot of your web server or VirtualHost.

If this is not the case, you have to move the entire codebase there.

After that, the variable `$wgScriptPath` in the `LocalSettings.php` contains the path `/w` .

```
$ wgScriptPath = "/w";
```

Creating the necessary folders for BlueSpiceWikiFarm

BlueSpiceWikiFarm needs two additional folders in the folder `/w` at the same level as the `LocalSettings.php` . You have to create these two folders:

- `_sf_instances` - all data and configurations for the respective instances are stored here
- `_sf_archive` - deleted farm instances including your database dump are stored here as ZIP archive

Make sure that these folders are writable by the web server. See also our (notes in the helpdesk) for this purpose.

Creating the LocalSettingsAppend.php

Including the extension "BlueSpiceWikiFarm" first requires an additional configuration file with the name `LocalSettingsAppend.php` . Create this file on the same level as the `LocalSettings.php` and add the following content:

```
<?php
require_once "$IP/LocalSettings.BlueSpice.php";
```

Including the extension "BlueSpiceWikiFarm"

In the `LocalSettings.php` replace the line

```
require_once "$IP/LocalSettings.BlueSpice.php";
```

with

```
require_once "$IP/extensions/BlueSpiceWikiFarm/BlueSpiceWikiFarm.php";
```

Configuring the web server

In the folder `extensions/BlueSpiceWikiFarm/SimpleFarmer/doc` you will find example files
for RewriteRules, which are necessary for BlueSpiceWikiFarm:

- `htaccess.template` - RewriteRules for Apache
- `web.config.template` - RewriteRules for IIS

Configure these RewriteRules for the DocumentRoot level of your Web server or VirtualHost.

> ℹ️ If you experience issues with spaces in page names: Add `RewriteRule ^([^\ ]*)\ (.*)$`
> `$1_$2 [E=rspace:yes,N]` if it is not already included in your rewrite rules.

Adding new permissions in MySql

```
GRANT ALL ON ´sfr\_%´.* to ´bluespice´@´127.0.0.1´ identified by ´password´;
```

Important for Windows farming

https://www.mediawiki.org/wiki/Manual:$wgPhpCli

cronjobs

Has to be executed as Apache user:

```
*/5 * * * * php /var/www/bluespice/w/extensions/BlueSpiceWikiFarm/SimpleFarmer
/maintenance/RunForAll.php --script=maintenance/runJobs.php
*/1 * * * * php /var/www/bluespice/w/extensions/BlueSpiceWikiFarm/SimpleFarmer
/maintenance/FarmProcessRunner.php
```

Completion

The installation of BlueSpiceWikiFarm is now complete. From now on, you can reach the farm
administration in the main wiki under the special page "Special:SimpleFarmer".

> **Important!** If localhost is not available, download the IIS extension "URL Rewrite". https://www.iis.net/downloads/microsoft/url-rewrite