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Setup:Installation Guide/Docker

A quality version of this page, approved on 31 January 2020, was based off this revision.

- Docker Hub
- Update

Installing BlueSpice free with Docker

A quality version of this page, approved on *5 July 2021*, was based off this revision.

The easiest way to run BlueSpice free is to install it with an all-in-one Docker image. All required services are preconfigured.

You can find all necessary information directly on Docker Hub.

How to use the Docker Hub image

Basic usage

Example for quick start. Blue Spice will be accessible only in localhost.

docker run -d -p 80:80 bluespice/bluespice-free

Keep your data outside of the docker

docker run -d -p 80:80 -v {/my/data/folder}:/data bluespice/bluespice-free

Setting BlueSpice language and URL

docker run -d -p 80:80 -v {/my/data/folder}:/data -e "bs_lang=en" -e "bs_url=http://www .domain.com" bluespice/bluespice-free

Activating SSL

Using SSL inside the Blue Spice docker image, the data directory should be outside of the docker. Create a folder named cert inside your data folder. Inside this folder, certificates must be named like:

- ssl.cert (SSL certificate. *mandatory*)
- ssl.key (Private key of ssl.cert . *mandatory*)



• ssl.ca (3rd party CA certs for ssl.cert . *optional*) If everything is ready for the first run, just run the following command:

```
docker run -d -p 80:80 -p 443:443 -v {/my/data/folder}:/data -e "bs_lang=en" -e "bs_url
=https://www.domain.com" bluespice/bluespice-free
```

Note: Port 443 includes the command and also \$bs_url schema changed to https

Login to BlueSpice

```
username: WikiSysop
password: PleaseChangeMe
```

Which services are runnning?

- Apache
- PHP-FPM
- Jetty9
- Elasticsearch
- MySQL/MariaDB
- Parsoid
- crond
- memcached

Manually updating the Docker image

BlueSpice 3.1.2 has no automatic upgrade feature.

See: Manual upgrade process and how to fix some known issues.

Updating docker images

A quality version of this page, approved on 22 April 2021, was based off this revision.

Introduction

- Edition: BlueSpice free, distributed on Docker Hub as a Docker image.
- Starting from version 3.1.13, BlueSpice Docker Hub release is able to upgrade itself automatically.

Spinning up a new container with old data

We assume you have a BlueSpice installation from Docker Hub. Also, this installation should have been done using an external data volume.

Example:



docker run -d -p 80:80 -v {/my/data/folder}:/data bluespice/bluespice-free

1.Back up your current data folder:

sudo cp -Rf /my/data/folder /my/data/current

2. Stop your current BlueSpice-free container:

docker container stop \$your_container_id_or_name

3. Remove the container (optional):

docker container rm \$your_container_id_or_name

4. Fetch the new container image:

docker pull bluespice/bluespice-free:latest

6. Create a fresh container with the new image:

docker run -d -p 80:80 -v {/my/data/new}:/data bluespice/bluespice-free

the BlueSpice DockerHub container will detect the old installation and execute necessary maintenance tasks in the background.

After the bootup, the Wiki will be up to date.

Fixing the broken search

The following commands fix the BlueSpiceExtendedSearch indexes:

```
sudo docker exec $container_name_or_id /opt/docker/setwikiperm.sh /data/www/bluespice/w
sudo docker exec $container_name_or_id /usr/bin/php /data/www/bluespice/w/maintenance
/update.php --quick
sudo docker exec $container_name_or_id /usr/bin/php /data/www/bluespice/w/maintenance
/rebuildall.php --quick
sudo docker exec $container_name_or_id /usr/bin/php /data/www/bluespice/w/extensions
```

Setup:Installation Guide/Docker

BlueSpice

MediaWiki

/BlueSpiceExtendedSearch/maintenance/initBackends.php --quick sudo docker exec \$container_name_or_id /usr/bin/php /data/www/bluespice/w/extensions /BlueSpiceExtendedSearch/maintenance/rebuildIndex.php sudo docker exec \$container_name_or_id /usr/bin/php /data/www/bluespice/w/maintenance /runJobs.php