Musterfirma GmbH/Documentation

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Management Summary

Musterfirma has organizational wikis.

The organization wikis vary in size, some have a size of only a few pages. About 5 wikis have a much larger size. All model company wikis have a total of about 400 users.

The following procedure has been defined:

- Users are currently managed by SAML. In addition, access to the individual wikis should be controlled via SAML.

Server Infrastructure

Server environment

Server	Server name	URL	Configuration
Production System	rz14.musterfirma.local	https://wiki.musterfirma.de/	Ubuntu 16.04. 8 CPUs 32 GB RAM
Development System	rz14.musterfirma.local	https://wiki-a.musterfirma.de	Ubuntu 16.04. 8 CPUs 32 GB RAM

Setup BlueSpice pro with WikiFarm

BlueSpice pro Services:

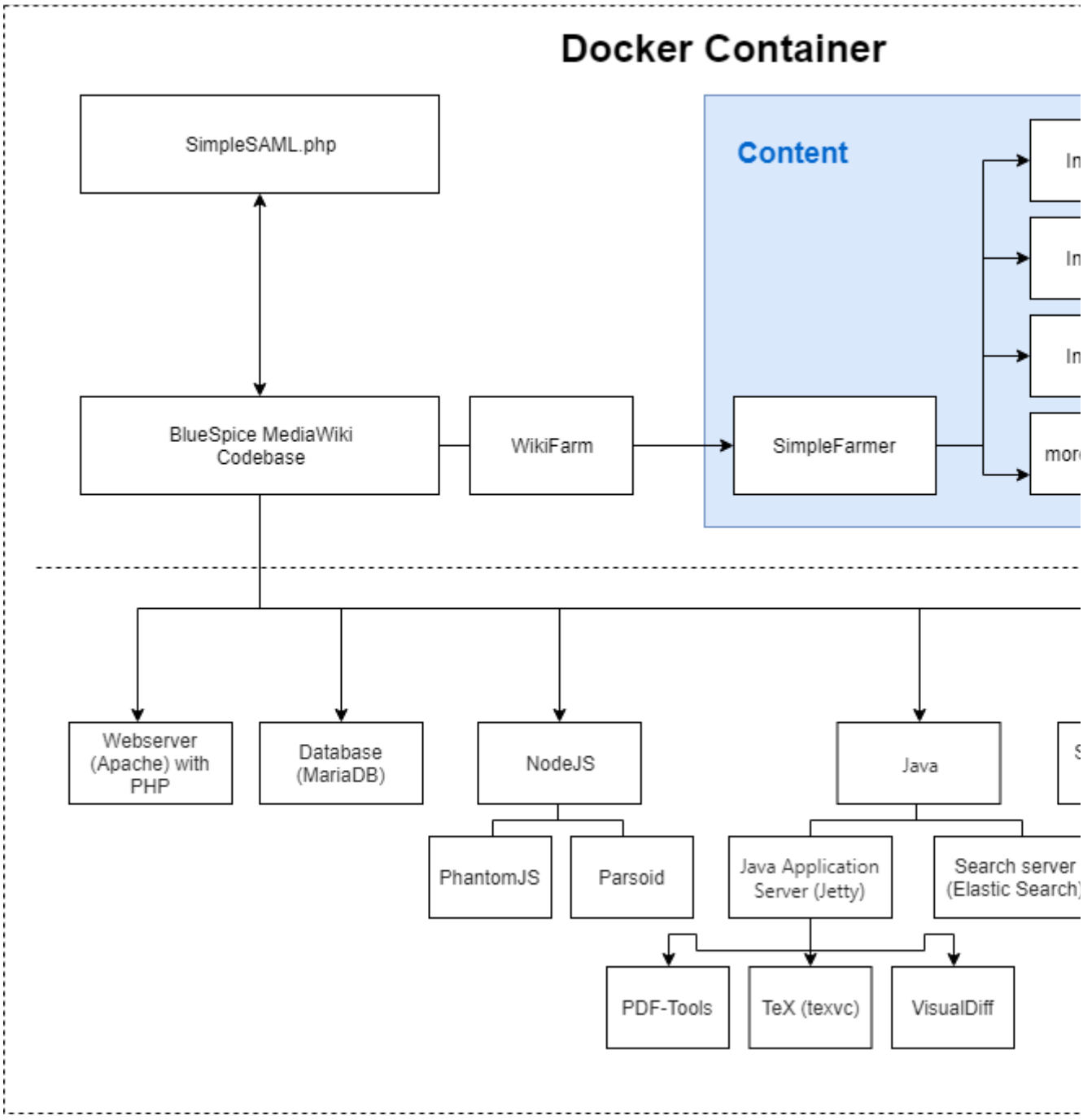
Services for the operation of BlueSpice pro:

- Webserver (Apache) with PHP
- Database (MariaDB)

Additonal Services:

Service	required for
NodeJS/Parsoid	VisualEditor
NodeJS/PhantomJS	generating screenshots (e.g. recent changes)
Java Application Server (Jetty)/ Tomcat	PDF export
Java Application Server (Jetty)/ VisualDiff	compare versions of a page
Java Application Server (Jetty)/ TeX	math formulas
Search Server (ElasticSearch)	search
SVG-Renderer (Inkscape)	.svg
Python/Pygmentize	syntax highlighting source code in pages

Scheme Docker Container



Production Wiki

History / Important Deployments

Protocol by	Horst Schreiber
First installation	2017-04-02
Update to current codebase 3.0.0	2018-11-26
Update to 3.0.1	2019-03-27
Update	

Access

Remote Access	VPN -> SSH
ID	a_exNNNNN
Username for SSH	ICA\a_exNNNNN

Installed programs (applications)

URL	https://wiki.musterfirma.de
Domains	• wiki.musterfirma.de • wikidocs.musterfirma.de
Server name	rz14.musterfirma.local
Operating System	Ubuntu 16.04.
BlueSpice Version	3.0.1 pro WikiFarm
MediaWiki Version	1.31.1
Deployment package	Docker
Path to Docker files	/data/bluespice/bluespice
Authentication	SAML.php
Notes	Group assignment to instances in **099-AdditionalPermissions.php**

Please note for updates

Since it is currently not possible to set the permissions properly, the **delete** permission has been withdrawn from the **editor** DefaultSettings.php.

Docker

Starting Docker

```
docker run -d -v /data/bluespice/certificates:/etc/apache2/ssl  -v
/data/bluespice/bluespice/099-AdditionalPermissions.php:/var/www/bluespice/w
/settings.d/099-
    AdditionalPermissions.php -v
/data/bluespice/database:/var/lib/mysql -v
/data/bluespice/elasticsearch:/var/lib/elasticsearch -v
/data/bluespice/bluespice:/opt/bluespice-docker -v /data/bluespice/backup:
/backup -v
/data/backups-mediawiki:/import -e "TZ=Europe/musterfirma"  -lCE -t -p 80:80 -
p 443:443 -p 8000:8000
    -p 8001:8001 1d85e6a800e9
```

Docker IP

```
cat /etc/doc ker/daemon.json
{
        "bip": "172.19.10.1/24",
        "fixed-cidr": "172.19.10.1/24"
}
```

Backup / Cronjobs

Cronjobs

runJobs	daily

Backup

BackupDatabases	daily

Services

Database

Programm	MariaDB
Version	10.1.37

PHP

Version	7.0.30

Jetty

Version	9

Caching

opcache	
memcached	

Webserver

Programm	Apache
Version	2.4.18

Development Wiki

History / Important Deployments

Protocol by	Sarah Naumann
First Installation	2018-11-26
Update to 3.0.1	2019-03-26
Update	

Access

Remote Access	VPN -> SSH
ID	a_exNNNNN
Username for SSH	ICA\a_exNNNNN

Installed programs (applications)

URL	https://wiki.musterfirma.de
Domains	• wiki.musterfirma.de • wikidoc.musterfirma.de
Server Name	rz17.musterfirma.local
Operating System	Ubuntu 16.04.
BlueSpice Version	3.0.1 pro WikiFarm
MediaWiki Version	1.31.1
Deployment Package	Docker
Path to Docker files	/data/bluespice/bluespice
Authentication	SAML.php
Notes	Group assignment to instances in **099-AdditionalPermissions.php**

Please note for updates

Since it is currently not possible to set the permissions properly, the **delete** permission has been withdrawn from the **editor** DefaultSettings.php.

Docker

Starting Docker

```
docker run -d -v /data/bluespice/certificates:/etc/apache2/ssl  -v
/data/bluespice/bluespice/099-AdditionalPermissions.php:/var/www/bluespice/w
/settings.d/
        099-AdditionalPermissions.php -v
/data/bluespice/database:/var/lib/mysql -v
/data/bluespice/elasticsearch:/var/lib/elasticsearch -v
/data/bluespice/bluespice:/opt/bluespice-docker -v /data/bluespice/backup:
/backup -v
/data/backups-mediawiki:/import -e "TZ=Europe/Berlin"  -lCE -t -p 80:80 -p 443
:443
        -p 8000:8000 -p 8001:8001 1d85e6a800e9
```

Docker IP

```
cat /etc/doc ker/daemon.json
{
        "bip": "172.19.10.1/24",
        "fixed-cidr": "172.19.10.1/24"
}
```

Backup / Cronjobs

Cronjobs

runJobs	daily

Backup

BackupDatabases	daily

Services

Database

Programm	MariaDB
Version	10.1.37

PHP

Version	7.0.30

Jetty

Version	9

Caching

opcache	
memcached	

Webserver

Programm	Apache
Version	2.4.18

Authentication and Security Levels

SAML/Prod

The following domains are all connected to SAML:

- wiki.musterfirma.de = Main Instance = WikiFarm Management
- wiki.Musterfirma.de redirects to wiki.musterfirma.de/Musterfirma = Musterfirma Wiki
- wikidocs.Musterfirma.de redirects to wiki.musterfirma.de/Musterfirma with local login

Security levels of wikis

* = (all) = applies to every visitor of the wiki, including those who do not log in.

Public

		permissions			
user group	**login required**	**sys admin**	**wiki maintain admin**	**editor**	**reader**
[...]_Admin	x	x	x	x	x
*	---	---	---	x	x

Protected

		permissions			
user group	**login required**	**sys admin**	**wiki maintain admin**	**editor**	**reader**
[...]_Admin	x	x	x	x	x
[...]_Editeren	x	---	---	x	x
*	---	---	---	---	x

Private

		permissions			
user group	**login required**	**sys admin**	**wiki maintain admin**	**editor**	**reader**
[...]_Admin	x	x	x	x	x
[...]_Editeren	x	---	---	x	x
[...]_Lezen	x	---	---	---	x
*	---	---	---	---	---

Admin

		permissions			
user group	**login required**	**sys admin**	**wiki maintain admin**	**editor**	**reader**
[...]_Admin	x	x	x	x	x
*	---	---	---	---	---

URL

If the URL of a wiki does not exist (or there is a letter error because of case-sensitivity), the user is currently redirected to the farm management. Depending on the authorization level, the user might not have access. It is possible to redirect the user to a page of another instance. However, this can only be done **once**. Redirects always link to the same instance. On the target page you could, for example, store an overview of operating wikis.