

Apache

Apache 2.4

Additional modules

```
expires
headers
rewrite
```

PHP

PHP 7.0.15 or higher

Required php modules

Should be enabled by default:

```
curl
fileinfo
filter
hash
openssl
pcre >= 8.30
session
soap
SPL
standard
xml
zip
zlib
Zend OPcache
```

Additional modules needed:

```
gd
json
mysqli
mbstring
```

Required php.ini settings

```
memory_limit = 256M
upload_max_size = 150M
upload_max_filesize = 150M
post_max_size = 150M
max_execution_time = 240
max_input_vars = 2500
```

Redis

A redis installation to speed up TYPO3 backend and frontend by using it as a cache. Eight databases should be available

Solr

Solr Version 6.3.0 standalone

MySQL

TYPO3 works with MySQL in the above mentioned versions. It will also work on compatible "drop-in" replacements like MariaDB or Percona. MySQL 5.5 or higher; STRICT_MODE has to be disabled!

- Default char set: `utf8`
- Default collation: `utf8_general_ci`

MySQL required privileges

The MySQL user needs at least the following privileges on the TYPO3 database:

```
SELECT, INSERT, UPDATE, DELETE, CREATE, DROP, INDEX, ALTER, CREATE TEMPORARY TABLES,
LOCK TABLES
```

It is recommended to also grant the following privileges:

```
CREATE VIEW, SHOW VIEW, EXECUTE, CREATE ROUTINE, ALTER ROUTINE
```

Code Deployment

Code deployment is done via TYPO3 Surf thus SSH Shell Access and rsync is needed (SSH can be limited to UEBERBITS public IP address, see below). The useraccount has to be able to delete files created by the webserver. The webserver should be able to write into files/folders created by the useraccount used for deploying the code via rsync.

Initial directory structure (example path)

```
ueberbit@server:/var/www/www.domain.com$ tree -d -L 1
.
├── cache
├── releases
└── shared
```

Document root for the initial directory structure

/var/www/www.domain.com/releases/current/src

Additional Server software

- curl
- GraphicsMagick or ImageMagick v6 or newer installed on the server
- composer

```
curl -sS https://getcomposer.org/installer | php -- --install-dir=/usr/local/bin
```

Additional rights and requirements

- The sftp user must be able to run `crontab -e` to create the user cron entries for TYPO3 or another way of doing this has to be available.

Public IP Adress/Net UEBERBIT

- gateway.ueberbit.de (212.172.217.10)
- Public Net: 212.172.217.8/29