Container 'wordpress-technikkultur'

Ressourcen

- 0.5 GB RAM
- 2 Cores
- 8 GB HDD (root-fs)

System

- interne IPs
  - 10.2.0.5, fd00:10:2:0::5
  - 10.3.0.5, fd00:10:3:0::5

Dienste

- Wordpress (via NGINX)

Installation

- Standard-Template mit Benutzern

NGINX / PHP

1. NGINX und PHP-FPM installieren
   - **sudo apt-get install php7.3 php7.3-cli php7.3-fpm php7.3-gd php7.3-xml php7.3-zip php7.3-mbstring php7.3-mysql php7.3-imagick php7.3-curl nginx**
2. Default-Konfiguration anpassen

```
server {
    listen 80 default_server;
    listen [::]:80 default_server;

    root /var/www/public_html;

    # Add index.php to the list if you are using PHP
    index index.php;

    server_name _;

    # Maximum POST-size and Buffer
    client_max_body_size 20M;
    client_body_buffer_size 128K;

    location = /favicon.ico {
        log_not_found off;
        access_log off;
    }

    location = /robots.txt {
        allow all;
        log_not_found off;
        access_log off;
```

```
    }

    location / {
        # This is cool because no php is touched for static content.
        # include the "?$args" part so non-default permalinks doesn't break when using
query string
        try_files $uri $uri/ /index.php?$args;
    }

    # pass PHP scripts to FastCGI server
        location ~ \.php$ {
        #NOTE: You should have "cgi.fix_pathinfo = 0;" in php.ini
        include fastcgi_params;
        fastcgi_intercept_errors on;
        fastcgi_pass unix:/run/php/php7.3-fpm.sock;
        #The following parameter can be also included in fastcgi_params file
        fastcgi_param  SCRIPT_FILENAME $document_root$fastcgi_script_name;
    }

    location ~* \.(js|css|png|jpg|jpeg|gif|ico)$ {
                expires max;
                log_not_found off;
        }
}
```

3. PHP-Konfiguration für Upload anpassen

```
...
; Maximum size of POST data that PHP will accept.
; Its value may be 0 to disable the limit. It is ignored if POST data reading
; is disabled through enable_post_data_reading.
; http://php.net/post-max-size
post_max_size = 20M
...
; Maximum allowed size for uploaded files.
; http://php.net/upload-max-filesize
upload_max_filesize = 20M
...
```

4. Dienste aktivieren und neustarten
    - **sudo systemctl enable nginx.service php7.3-fpm.service**
    - **sudo systemctl restart nginx.service php7.3-fpm.service**

Wordpress

1. Wordpress-Verzeichnisse erstellen
    - **sudo mkdir /var/www/public_html**
2. Datenbank erstellen
3. Wordpress installieren
    - nach Anleitung
        - Entpacken in das Verzeichnis /var/www/public_html
4. Berechtigungen anpassen
    - **sudo chown -R www-data:www-data /var/www/public_html**
5. Konfigurationsvorlage kopieren
    - **sudo cp /var/www/public_html/wp-config-sample.php /var/www/public_html/wp-config.php**
6. DB-Konfiguration anpassen

```
/** The name of the database for WordPress */
define( 'DB_NAME', 'wordpress_technikkultur' );

/** MySQL database username */
```

```
define( 'DB_USER', 'XXXXXXXXX' );

/** MySQL database password */
define( 'DB_PASSWORD', 'XXXXXXXXXX' );

/** MySQL hostname */
define( 'DB_HOST', '10.3.0.100' );

/** Database Charset to use in creating database tables. */
define( 'DB_CHARSET', 'utf8' );

/** The Database Collate type. Don't change this if in doubt. */
define( 'DB_COLLATE', '' );
```

7. Salt-Konfiguration anpassen: Ausgabe von https://api.wordpress.org/secret-key/1.1/salt/ in Konfiguration schreiben

```
define('AUTH_KEY',
'***************************************************************');
define('SECURE_AUTH_KEY',
'***************************************************************');
define('LOGGED_IN_KEY',
'***************************************************************');
define('NONCE_KEY',
'***************************************************************');
define('AUTH_SALT',
'***************************************************************');
define('SECURE_AUTH_SALT',
'***************************************************************');
define('LOGGED_IN_SALT',
'***************************************************************');
define('NONCE_SALT',
'***************************************************************');
```

8. Verwendung eines SSL-Proxies konfigurieren

```
...
/* Accept SSL behind proxy */
if (!empty($_SERVER['HTTP_X_FORWARDED_PROTO']) && $_SERVER['HTTP_X_FORWARDED_PROTO']
=== 'https') {
    $_SERVER['HTTPS'] = 'on';
}

/* Use X-Forwarded-For HTTP Header to get visitors Real IP Address */
if (isset($_SERVER['HTTP_X_FORWARDED_FOR'])) {
  $http_x_headers = explode(',', $_SERVER['HTTP_X_FORWARDED_FOR']);
  $_SERVER['REMOTE_ADDR'] = $http_x_headers[0];
}

/** Sets up WordPress vars and included files. */
require_once ABSPATH . 'wp-settings.php';
```

9. Installer aufrufen unter https://technikkultur-erfurt.de/wp-admin/install.php
    - Titel: **Verein zur Förderung der Technikkultur in Erfurt e.V.**
    - Mail-Adresse: **webmaster@XXXXXX.de**
    - Benutzername und Passwort sicher wählen und dokumentieren
10. Im Admin-Backend einloggen und HTTPS konfigurieren
    - Unter Einstellungen - Allgemein die Parameter **WordPress-Adresse (URL)** und **Website-Adresse (URL)** anpassen

Backup mit Borgmatic

1. Installation siehe mariadb
2. Konfiguration

```
...
location:
    # List of source directories to backup (required). Globs and
    # tildes are expanded.
    source_directories:
        - /etc
        - /home
        - /root
        - /var/log
        - /var/www
...
```

Dauerhafter Link zu diesem Dokument:
https://wiki.technikkultur-erfurt.de/dienste:bytecluster0002:wordpress-technikkultur?rev=1610572442

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https://wiki.technikkultur-erfurt.de/