environment

The environment file can be used to store global configuration parameters for your docker-compose file. The file is stored in `/etc/environment`.

The following configuration is largely based on docker media server how to.

```
vim /etc/environment
```

After a standard ubuntu 18.04 installation the environment file probably looks like this

```
PATH="/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games
"
```

User and Group

In my basic setup I create a user `cloud` and a group `cloud` that I run docker-compose with, in my environment file I specify the ids of the user and group as parameters.

```
PUID=1002
PGID=1002
```

You can get the values for your user via the following command

```
sudo id cloud
```

this shoudl output some thing like this

```
uid=1002(cloud) gid=1002(cloud) groups=1002(cloud)
```

Time zone

You can add a valiable for your timezone time zones

```
TZ="Europe/Zurich"
```

Basic auth

You can specify a basic auth user that you can use to secure pages, you can encode the password as follows

```
echo $(htpasswd -nb admin supersecret) | sed -e s/\\$/\\$\\$/g
```

You might need to install some extra dependencies for the apache tools

```
apt install apache2-utils -y
```

That would result in some thing as `admin:$$apr1$$o6BgYlgS$$U3GfcrYe6/7Ir2bVvVit61` that you could than add as follows

```
HTTP_USERNAME=admin
HTTP_PASSWORD="$$apr1$$o6Bgbodo@naumann.devYlgS$$U3GfcrYe6/7Ir2bVvVit61"
```

Clear text password

Some configurations need clear text passwords

```
U01_CLEAR=bodo
U02_CLEAR=tv
GRP_CLEAR=cloud
P01_CLEAR=supersecret
P02_CLEAR=supersecret
```

Domain name

You can configure your host name as domain name and reference it in all services, this makes it easy to reuse a docker file on different hosts.

```
DOMAINNAME="example.com"
```

DNS Server

The default DNS Server

```
DNS=192.168.1.254
```

email address

```
EMAIL=mail@example.com
```

Sample

This is a sample based on the parameters above

```
PATH="/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games
"
PUID=1002
PGID=1002
TZ="Europe/Zurich"
HTTP_USERNAME=admin
HTTP_PASSWORD="$$apr1$$o6Bgbodo@naumann.devYlgS$$U3GfcrYe6/7Ir2bVvVit61"
U01_CLEAR=bodo
U02_CLEAR=tv
GRP_CLEAR=cloud
P01_CLEAR=supersecret
P02_CLEAR=supersecret
DOMAINNAME="example.com"
DNS=1.1.1.1
EMAIL=mail@example.com
```

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