

Mise en situation professionnelle

| | |
|----------------|----------------|
| | Cours : Docker |
| Sujet : Docker | Numéro : 9 |
| | Version : 1.0 |

Objectifs :

Dockerfile

Prérequis :

exercice 8

Principales tâches à réaliser :

| | |
|--------------------------------|---|
| 1 Dockerfile - supervisor..... | 2 |
| 1.1 Dockerfile..... | 2 |
| 1.2 Supervisor.conf..... | 3 |
| 1.3 Launch-supervisor..... | 3 |

1 Dockerfile - supervisor

A partir d'une distribution Alpine, réaliser un conteneur capable de lancer nginx et php. (php-fpm)

Répertoire du site web /var/www/html

Php version 7.0 avec ldap / gd / curl / simplexml, mysqli, imap, json ...

Nommer votre image <votreNom>/nginxfpm:alpine

Vous aurez besoin de supervisor

1.1 Dockerfile

```
FROM alpine:latest
```

```
LABEL Maintainer="Serge NOEL <serge.noel@net6a.com>"
```

```
# Install needed packages
```

```
RUN apk update \
```

```
    && apk add nginx php7-fpm php7-gd php7-session php7-simplexml  
php7-xml php7-curl zip wget supervisor
```

```
# Prepare for login
```

```
RUN ln -sf /dev/stdout /var/log/nginx/access.log \  
    && ln -sf /dev/stderr /var/log/nginx/error.log \  
    && ln -sf /dev/stderr /var/log/fpm.err.log \  
    && ln -sf /dev/stdout /var/log/fpm.log
```

```
# Copy configuration files
```

```
COPY Files/ /
```

```
# Modify access to some files
```

```
RUN mkdir -p /var/run/nginx \  
    && mkdir /var/www/html \  
    && chown nginx: /var/www/html
```

```
# This part must be writeable
```

```
VOLUME /var/www/html
```

```
# Expose http port
```

```
EXPOSE 80
```

```
# launch supervisor
```

```
CMD ["/usr/local/bin/launch-supervisor"]
```

1.2 Supervisor.conf

```
[supervisord]
nodaemon=true

[program:nginx]
command=nginx -c /etc/nginx/nginx.conf -g 'daemon off;'
process_name=%(program_name)s_%(process_num)02d
numprocs=1
autostart=true
autorestart=false
startsecs=0
redirect_stderr=true
stdout_logfile=/dev/stdout
stdout_logfile_maxbytes=0

[program:php-fpm]
command=php-fpm7
process_name=%(program_name)s_%(process_num)02d
numprocs=1
autostart=true
autorestart=false
startsecs=0
redirect_stderr=true
stdout_logfile=/dev/stdout
stdout_logfile_maxbytes=0
```

1.3 Launch-supervisor

```
#!/bin/sh

if [ ! -d /var/www/html/data/plugins ]; then
    # Premier lancement
    echo "Initialisation de data"
    echo '  Pour vous connecter admin/Pa$$w0rd'
    cd /var/www/html/data
    tar zxf /var/www/data.tgz
fi
echo "Launch Supervisord"
supervisord -c /etc/supervisor/supervisor.conf
```

