

Documentation Technique :

Partie I :

1. Mise en place de deux conteneurs, ynov-backend et ynov-frontend configurés pour écouter sur le port 80 :80. Création du réseau ynov-network et connexion des conteneurs ynov-backend et ynov-frontend à ce réseau.

```
(c) Microsoft Corporation. Tous droits réservés.

C:\Users\masqu>docker run --name ynov-frontend -d -p 80:80 nginx
587b73fd893ec085e35563ecbf5487dfa7d1271bb79f47dcc175d9ba08fcd453

C:\Users\masqu>docker run -d --name ynov-backend -p 8080:80 -p 443:443 -e ALLOW_EMPTY_PASSWORD=yes bitnami/prestashop
e511ce5284098be5b475417fd6ec9161dbb4c43362d7e1d842f05bffc92329c9

C:\Users\masqu>docker network create ynov-network
ecc5221a0aa98a8b0820d5ce6aa37432e91b573d575867715b67860a023a0d7d

C:\Users\masqu>docker network connect ynov-network ynov-frontend

C:\Users\masqu>docker network connect ynov-network ynov-backend
```

2. Installation des applications iproute2 et Iputils en vue de la réalisation d'un test de connectivité à l'aide de la commande ping

```
packing libcap2-bin (1:2.66-4) ...
lecting previously unselected package iproute2.
preparing to unpack .../7-iproute2_6.1.0-3_amd64.deb ...
unpacking iproute2 (6.1.0-3) ...
lecting previously unselected package libatm1:amd64.
preparing to unpack .../8-libatm1_1%3a2.5.1-4+b2_amd64.deb ...
unpacking libatm1:amd64 (1:2.5.1-4+b2) ...
lecting previously unselected package libpam-cap:amd64.
preparing to unpack .../9-libpam-cap_1%3a2.66-4_amd64.deb ...
unpacking libpam-cap:amd64 (1:2.66-4) ...
tting up libtirpc-common (1.3.3+ds-1) ...
tting up libatm1:amd64 (1:2.5.1-4+b2) ...
tting up libcap2-bin (1:2.66-4) ...
tting up libmnl0:amd64 (1.0.4-3) ...
tting up libxtables12:amd64 (1.8.9-2) ...
tting up libelf1:amd64 (0.188-2.1) ...
tting up libpam-cap:amd64 (1:2.66-4) ...
bconf: unable to initialize frontend: Dialog
bconf: (No usable dialog-like program is installed, so the dialog based frontend cannot be used. at /usr/share/perl5/Debconf/FrontEnd/Dialog.pm line 1)
bconf: falling back to frontend: Readline
bconf: unable to initialize frontend: Readline
bconf: (Can't locate Term/ReadLine.pm in @INC (you may need to install the Term::ReadLine module) (@INC contains: /etc/perl /usr/local/lib/x86_64-linux-gnu/perl/5.36 /usr/share/perl5 /usr/lib/x86_64-linux-gnu/perl-base /usr/lib/x86_64-linux-gnu/perl/5.36 /usr/share/perl/5.36 /usr/local/lib/site_perl))
bconf: falling back to frontend: Teletype
tting up libbbp1:amd64 (1:1.1.0-1) ...
tting up libtirpc3:amd64 (1.3.3+ds-1) ...
tting up iproute2 (6.1.0-3) ...
bconf: unable to initialize frontend: Dialog
bconf: (No usable dialog-like program is installed, so the dialog based frontend cannot be used. at /usr/share/perl5/Debconf/FrontEnd/Dialog.pm line 1)
bconf: falling back to frontend: Readline
bconf: unable to initialize frontend: Readline
bconf: (Can't locate Term/ReadLine.pm in @INC (you may need to install the Term::ReadLine module) (@INC contains: /etc/perl /usr/local/lib/x86_64-linux-gnu/perl/5.36 /usr/share/perl5 /usr/lib/x86_64-linux-gnu/perl-base /usr/lib/x86_64-linux-gnu/perl/5.36 /usr/share/perl/5.36 /usr/local/lib/site_perl))
bconf: falling back to frontend: Teletype
processing triggers for libc-bin (2.36-9+deb12u3) ...
not@587b73fd893e:/# apt update && apt install -y iputils-ping
t:1 http://deb.debian.org/debian bookworm InRelease
t:2 http://deb.debian.org/debian bookworm-updates InRelease
t:3 http://deb.debian.org/debian-security bookworm-security InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
packages can be upgraded. Run 'apt list --upgradable' to see them.
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following NEW packages will be installed:
iputils-ping
0 upgraded, 1 newly installed, 0 to remove and 2 not upgraded.
Need to get 47.1 kB of archives.
After this operation, 123 kB of additional disk space will be used.
t:1 http://deb.debian.org/debian bookworm/main amd64 iputils-ping amd64 3:20221126-1 [47.1 kB]
```

Partie II

1. La première commande permet d'ajouter le conteneur ynov-frontend au network ynov-frontend-network. Prestashop est lancé sur le frontend.
2. La deuxième commande permet d'ajouter le conteneur nommé « router » au réseau Docker « ynov-backend-network ». Cela signifie que le conteneur « router » est maintenant capable de communiquer avec d'autres conteneurs présents dans le réseau « ynov-backend-network ». Configuration également de la base de données mariadb sur le port 3306 :3306
3. La troisième commande docker crée un conteneur basé sur l'image ubuntu, le nomme « router » et le connecte au réseau « ynov-frontend-network », lui accorde des privilèges étendus et le fait rester actif indéfiniment.

```
C:\Users\masqu>docker run --privileged -it --network ynov-frontend-network --name ynov-frontend --ip 10.0.0.8080:80 -p 443:443 -e ALLOW_EMPTY_PASSWORD=yes prestashop/prestashop
0c7feffe3eac957b0f0dec41698cf84f49cf7056a1a64918b998556e5fe09440

C:\Users\masqu>docker run --privileged -it --network ynov-backend-network --name ynov-backend --ip 10.0.1.1 SQL_ROOT_PASSWORD=my-secret-pw -p 3306:3306 mariadb
f9ffa8c412c2c5bb72e9b8e554104b6fb965c8edc87a56d3a1ba508980b7d1a0

C:\Users\masqu>docker run -d --privileged --name router --network ynov-frontend-network ubuntu sleep infinity
3b94cb20bfdef3ad6ef6f0f2c9a12b3fd66eae1b36847dcc501c8b3df033ec

C:\Users\masqu>docker network connect ynov-backend-network router
```

4. Configuration d'un ping pour tester ma connectivité entre les deux réseaux

```

C:\Users\masqu>docker exec -it ynov-backend ping 10.0.0.10
PING 10.0.0.10 (10.0.0.10) 56(84) bytes of data.
64 bytes from 10.0.0.10: icmp_seq=1 ttl=63 time=0.086 ms
64 bytes from 10.0.0.10: icmp_seq=2 ttl=63 time=0.133 ms
64 bytes from 10.0.0.10: icmp_seq=3 ttl=63 time=0.102 ms
64 bytes from 10.0.0.10: icmp_seq=4 ttl=63 time=0.135 ms
64 bytes from 10.0.0.10: icmp_seq=5 ttl=63 time=0.050 ms
64 bytes from 10.0.0.10: icmp_seq=6 ttl=63 time=0.129 ms
64 bytes from 10.0.0.10: icmp_seq=7 ttl=63 time=0.131 ms
64 bytes from 10.0.0.10: icmp_seq=8 ttl=63 time=0.148 ms
64 bytes from 10.0.0.10: icmp_seq=9 ttl=63 time=0.054 ms
64 bytes from 10.0.0.10: icmp_seq=10 ttl=63 time=0.056 ms
64 bytes from 10.0.0.10: icmp_seq=11 ttl=63 time=0.053 ms
64 bytes from 10.0.0.10: icmp_seq=12 ttl=63 time=0.046 ms
64 bytes from 10.0.0.10: icmp_seq=13 ttl=63 time=0.045 ms
64 bytes from 10.0.0.10: icmp_seq=14 ttl=63 time=0.046 ms
^C
--- 10.0.0.10 ping statistics ---
14 packets transmitted, 14 received, 0% packet loss, time 13552ms
rtt min/avg/max/mdev = 0.045/0.086/0.148/0.039 ms

C:\Users\masqu>docker exec -it ynov-frontend ping 10.0.1.10
PING 10.0.1.10 (10.0.1.10) 56(84) bytes of data.
64 bytes from 10.0.1.10: icmp_seq=1 ttl=63 time=0.057 ms
64 bytes from 10.0.1.10: icmp_seq=2 ttl=63 time=0.063 ms
64 bytes from 10.0.1.10: icmp_seq=3 ttl=63 time=0.174 ms
64 bytes from 10.0.1.10: icmp_seq=4 ttl=63 time=0.129 ms
64 bytes from 10.0.1.10: icmp_seq=5 ttl=63 time=0.043 ms
64 bytes from 10.0.1.10: icmp_seq=6 ttl=63 time=0.128 ms
64 bytes from 10.0.1.10: icmp_seq=7 ttl=63 time=0.127 ms
64 bytes from 10.0.1.10: icmp_seq=8 ttl=63 time=0.129 ms
64 bytes from 10.0.1.10: icmp_seq=9 ttl=63 time=0.051 ms
64 bytes from 10.0.1.10: icmp_seq=10 ttl=63 time=0.167 ms
64 bytes from 10.0.1.10: icmp_seq=11 ttl=63 time=0.128 ms
64 bytes from 10.0.1.10: icmp_seq=12 ttl=63 time=0.125 ms
64 bytes from 10.0.1.10: icmp_seq=13 ttl=63 time=0.146 ms
64 bytes from 10.0.1.10: icmp_seq=14 ttl=63 time=0.133 ms
64 bytes from 10.0.1.10: icmp_seq=15 ttl=63 time=0.124 ms
64 bytes from 10.0.1.10: icmp_seq=16 ttl=63 time=0.126 ms
64 bytes from 10.0.1.10: icmp_seq=17 ttl=63 time=0.085 ms
64 bytes from 10.0.1.10: icmp_seq=18 ttl=63 time=0.050 ms
^C
--- 10.0.1.10 ping statistics ---
18 packets transmitted, 18 received, 0% packet loss, time 17666ms
rtt min/avg/max/mdev = 0.043/0.110/0.174/0.039 ms

```


5. Après avoir configuré les conteneurs. Et confirmer qu'ils pouvaient communiquer entre eux. Nous sommes allés sur le port du conteneur prestashop (frontend)

localhost:8080/install/

Création

Accueil - Google Dr...

Documentation | Blog



Installation Assistant

Choose your language

License agreements

System compatibility

Store information

Content of your store

System configuration

Store installation

Welcome to the PrestaShop 8.1.2 Installer

Installing PrestaShop is quick and easy. In just a few moments, you will become part of a community consisting of more than 300,000 merchants. You are on the way to creating your own unique online store that you can manage easily every day.

Continue the installation in:

Français (French)

The language selection above only applies to the Installation Assistant. Once your store is installed, you can choose the language of your store from over 60 translations, all for free!

Next

PrestaShop Project | Documentation | © 2007-2023

6 .