Job5

Job 05

Tout informaticien étant « flemmard » , il faut faire des alias pour les commandes docker en cli , à mettre dans ~/.bashrc pour manipuler les images / containers.
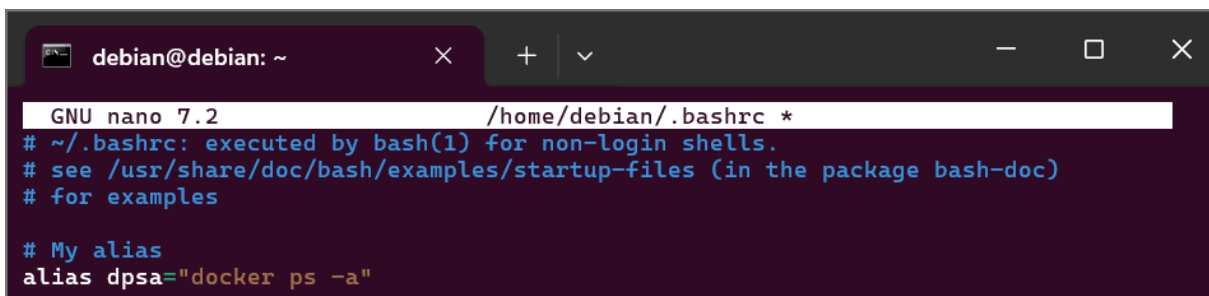
Idées d'alias utiles :

https://gist.github.com/jgrodziski/9ed4a17709baad10dbcd4530b60dfcbb

Pour se faire la main, on va essayer un "dpsa" comme alias de "docker ps -a"

#1. on accède au bashrc

sudo nano ~/.bashrc

#2. On ajoute l'alias

alias dpsa="docker ps -a"

```
 debian@debian: ~           ×      +  ∨                    —   ☐   ×

  GNU nano 7.2                   /home/debian/.bashrc *
# ~/.bashrc: executed by bash(1) for non-login shells.
# see /usr/share/doc/bash/examples/startup-files (in the package bash-doc)
# for examples

# My alias
alias dpsa="docker ps -a"
```
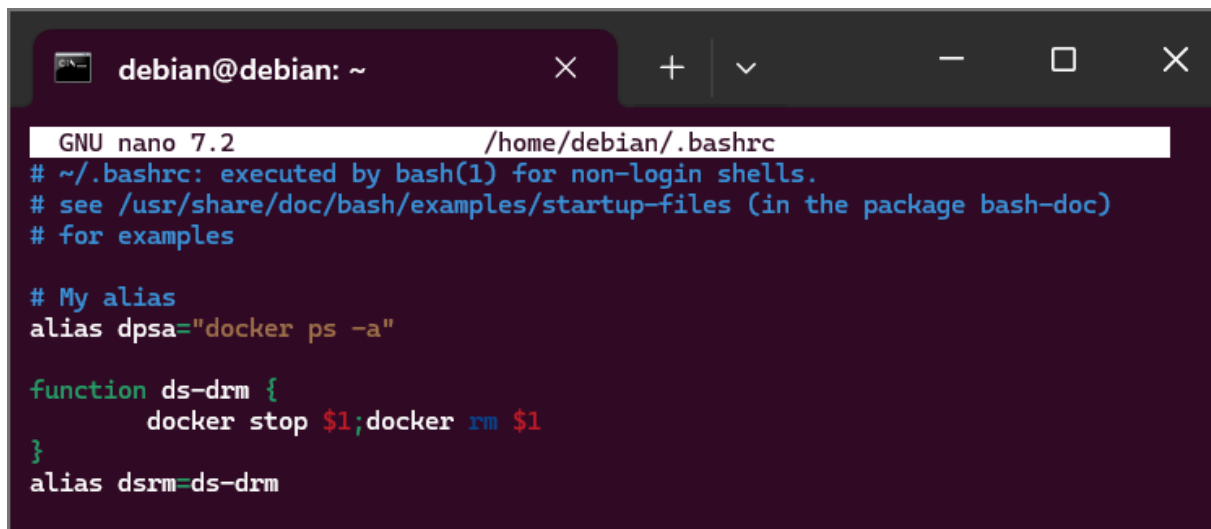
#3. On recharge le bashrc

source ~/.bashrc

#4. On fait un test

dpsa

```
debian@debian: $ dpsa
CONTAINER ID   IMAGE        COMMAND                CREATED        STATUS                     PORTS                                          NAMES
739b847c8f5a   ssh          "/usr/sbin/sshd -D"    14 hours ago   Exited (255) 25 minutes ago  0.0.0.0:8444->8444/tcp, :::8444->8444/tcp   festive_chaplygin
55ee62b9763c   ssh          "/usr/sbin/sshd -D"    15 hours ago   Created                                                                  pedantic_margulis
86330f5bedc0   helloworld   "echo 'Hello le Dock…" 19 hours ago   Exited (0) 19 hours ago                                                  focused_chatelet
5305d1c0fc82   hello-world  "/hello"               20 hours ago   Exited (0) 20 hours ago                                                  elegant_engelbart
debian@debian: $
```


⇒ ça fonctionne

Un alias qui stop puis rm un conteneur :

→ avant l'alias on devait "sudo docker stop <dockerID>" puis "sudo docker rm<dockerID>"

→ désormais, avec l'alias, "dsrm <dockerID>" suffit

```
debian@debian:~$ dpsa
CONTAINER ID   IMAGE        COMMAND                CREATED          STATUS                      PORTS                                           NAMES
eb8ab7ff55af   helloworld   "echo 'Hello le Dock…" 17 seconds ago   Exited (0) 16 seconds ago                                                   cranky_elion
739b847c8f5a   ssh          "/usr/sbin/sshd -D"    14 hours ago     Exited (255) 37 minutes ago 0.0.0.0:8444->8444/tcp, :::8444->8444/tcp       festive_chaplygin
55ee62b9763c   ssh          "/usr/sbin/sshd -D"    15 hours ago     Created                                                                     pedantic_margulis
5305d1c0fc82   hello-world  "/hello"               20 hours ago     Exited (0) 20 hours ago                                                     elegant_engelbart
debian@debian:~$ dsrm eb8ab7ff55af
eb8ab7ff55af
eb8ab7ff55af
debian@debian:~$ dpsa
CONTAINER ID   IMAGE        COMMAND                CREATED          STATUS                      PORTS                                           NAMES
739b847c8f5a   ssh          "/usr/sbin/sshd -D"    14 hours ago     Exited (255) 38 minutes ago 0.0.0.0:8444->8444/tcp, :::8444->8444/tcp       festive_chaplygin
55ee62b9763c   ssh          "/usr/sbin/sshd -D"    15 hours ago     Created                                                                     pedantic_margulis
5305d1c0fc82   hello-world  "/hello"               20 hours ago     Exited (0) 20 hours ago                                                     elegant_engelbart
```

Un alias pour rentrer dans le conteneur :

```
function deib {
        docker exec -it $1 bash
}
alias dbash=deib
```

Jusqu'à présent j'utilisais : docker exec -it <nom ou ID> bash

Désormais l'alias dbash <nom ou ID> fonctionne :

```
                                                                                         
debian@debian:~$ docker ps
CONTAINER ID   IMAGE   COMMAND               CREATED         STATUS        PORTS      NAMES
c51f049e142f   ssh     "/usr/sbin/sshd -D"   8 minutes ago   Up 8 minutes  8444/tcp   sad_curie
debian@debian:~$ dbash c51f049e142f
root@c51f049e142f:/#
root@c51f049e142f:/#
root@c51f049e142f:/# ls
bin  boot  dev  etc  home  lib  lib.usr-is-merged  lib64  media  mnt  opt  proc  root  run  sbin  srv  sys  tmp  usr  var
root@c51f049e142f:/# exit
exit
debian@debian:~$
```

Un alias pour build :

```
function d-build {
        sudo docker build -t $1 -f $1 .
}
alias dbuild=d-build
```

Check :

```
debian@debian:~$ dbuild helloworld
[+] Building 0.5s (5/5) FINISHED                                          docker:default
 => [internal] load build definition from helloworld                              0.0s
 => => transferring dockerfile: 209B                                              0.0s
 => [internal] load metadata for docker.io/library/debian:bullseye-slim           0.4s
 => [internal] load .dockerignore                                                 0.0s
 => => transferring context: 2B                                                   0.0s
 => CACHED [1/1] FROM docker.io/library/debian:bullseye-slim@sha256:0e75382930ceb533e2f438071307708e79dc86d9b8e433cc6dd1a968  0.0s
 => exporting to image                                                            0.0s
 => => exporting layers                                                           0.0s
 => => writing image sha256:02c4e8c02d7050e56a9432fbf339300276232c2b1e790cdd9ee00c21e07628fb  0.0s
 => => naming to docker.io/library/helloworld                                     0.0s
debian@debian:~$ sudo docker run helloworld
Hello le Docker World !
debian@debian:~$
```

⇒ ça fonctionne

Un alias pour run :

```
function d-run {
        sudo docker run $1
}
alias drun=d-run
```

Check :

```
debian@debian:~$ drun helloworld
Hello le Docker World !
debian@debian:~$
```

→ Snapshot 4