

Docker 実習 9

1. 教科書 P154 を参考にして AWS Ubuntu 上に Ubuntu コンテナを構築してください。
Ubuntu コンテナを構築後、Go 言語コンパイラ(golang)とエディタ vim をインストールして、Go 言語のソースプログラムを作成(hello.go)してコンパイル実行してください。

📁 コンテナの構築過程画面、golang と vim のインストール過程、Go 言語のコンパイル実行過程をキャプチャして画像を貼り付けて提出してください。

```
ubuntu@ip-172-31-3-122:~/docker/ubuntu$ docker compose up -d
[+] Running 2/2
 ? ubuntu Pulled                                     3.8s
 ? 2ab09b027e7f Pull complete                       3.4s
[+] Running 2/2
 ? Network ubuntu_default      Created              0.1s
 ? Container ubuntu-ubuntu-1   Started            1.1s
ubuntu@ip-172-31-3-122:~/docker/ubuntu$ docker compose exec ubuntu /bin/bash
root@8db6ffb1ceaa:/#
```

```
root@8db6ffb1ceaa:/# apt-get install vim
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  libgpm2 libsodium23 vim-common vim-runtime xxd
Suggested packages:
  gpm ctags vim-doc vim-scripts
The following NEW packages will be installed:
  libgpm2 libsodium23 vim vim-common vim-runtime xxd
0 upgraded, 6 newly installed, 0 to remove and 0 not upgraded.
Need to get 8873 kB of archives.
After this operation, 38.7 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 xxd amd64 2:8.2.
Get:2 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 vim-common all 2
Get:3 http://archive.ubuntu.com/ubuntu jammy/main amd64 libgpm2 amd64 1.20.7-10b
Get:4 http://archive.ubuntu.com/ubuntu jammy/main amd64 libsodium23 amd64 1.0.18
Get:5 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 vim-runtime all
Get:6 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 vim amd64 2:8.2.
Fetched 8873 kB in 1s (7968 kB/s)
debconf: delaying package configuration, since apt-utils is not installed
Selecting previously unselected package xxd.
(Reading database ... 16005 files and directories currently installed.)
Preparing to unpack .../0-xxd_2%3a8.2.3995-1ubuntu2.4_amd64.deb ...
Unpacking xxd (2:8.2.3995-1ubuntu2.4) ...
Selecting previously unselected package vim-common.
Preparing to unpack .../1-vim-common_2%3a8.2.3995-1ubuntu2.4_all.deb ...
Unpacking vim-common (2:8.2.3995-1ubuntu2.4) ...
Selecting previously unselected package libgpm2:amd64.
Preparing to unpack .../2-libgpm2_1.20.7-10build1_amd64.deb ...
Unpacking libgpm2:amd64 (1.20.7-10build1) ...
Selecting previously unselected package libsodium23:amd64.
```

```
root@8db6ffb1ceaa:/# apt-get install golang
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  bzip2 g++ g++-11 golang-1.18 golang-1.18-doc golang-1.18-go golang-1.18-src go
  libgdbm-compat4 libgdbm6 liblocale-gettext-perl libperl5.34 libstdc++-11-dev n
Suggested packages:
  bzip2-doc g++-multilib g++-11-multilib gcc-11-doc bzip2 | brz git mercurial subv
  libterm-readline-gnu-perl | libterm-readline-perl-perl make libtap-harness-arc
The following NEW packages will be installed:
  bzip2 g++ g++-11 golang golang-1.18 golang-1.18-doc golang-1.18-go golang-1.18
  libgdbm-compat4 libgdbm6 liblocale-gettext-perl libperl5.34 libstdc++-11-dev n
0 upgraded, 23 newly installed, 0 to remove and 0 not upgraded.
Need to get 104 MB of archives.
After this operation, 537 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://archive.ubuntu.com/ubuntu jammy/main amd64 liblocale-gettext-perl a
Get:2 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 perl-modules-5.3
Get:3 http://archive.ubuntu.com/ubuntu jammy/main amd64 libgdbm6 amd64 1.23-1 [3
Get:4 http://archive.ubuntu.com/ubuntu jammy/main amd64 libgdbm-compat4 amd64 1.
Get:5 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libperl5.34 amd6
Get:6 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 perl amd64 5.34.
Get:7 http://archive.ubuntu.com/ubuntu jammy/main amd64 netbase all 6.3 [12.9 kB
Get:8 http://archive.ubuntu.com/ubuntu jammy/main amd64 xz-utils amd64 5.2.5-2ub
Get:9 http://archive.ubuntu.com/ubuntu jammy/main amd64 bzip2 amd64 1.0.8-5build
Get:10 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libstdc++-11-de
Get:11 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 g++-11 amd64 11
Get:12 http://archive.ubuntu.com/ubuntu jammy/main amd64 g++ amd64 4:11.2.0-1ubu
Get:13 http://archive.ubuntu.com/ubuntu jammy/main amd64 golang-1.18-doc all 1.1
Get:14 http://archive.ubuntu.com/ubuntu jammy/main amd64 golang-1.18-src all 1.1
```

```
root@8db6ffb1ceaa:/golang# ls
hello.go
root@8db6ffb1ceaa:/golang#
root@8db6ffb1ceaa:/golang#
root@8db6ffb1ceaa:/golang# go run hello.go
Hello Golang!
Hello Golang!
Hello Golang!
Hello Golang!
Hello Golang!
Hello Golang!
Hello Golang!
Hello Golang!
Hello Golang!
Hello Golang!
Hello Golang!
Hello Golang!
Hello Golang!
Hello Golang!
Hello Golang!
Hello Golang!
Hello Golang!
Hello Golang!
Hello Golang!
Hello Golang!
Hello Golang!
root@8db6ffb1ceaa:/golang#
```

