

Lab: Docker 基礎指令操作

請開啟終端機 (於桌面上按滑鼠右鍵 --> 使用終端機開啟)

如果是用 一般使用者登入, 請使用 `> su` - 輸入密碼來切換管理者 root
管理者的提示符號是 `#`

檢視 Docker 版本

```
# docker --version
```

```
Docker version 1.11.2, build 9e83765
```

Lab: 下載映像檔並觀察

觀察現有的映像檔

```
# docker images
```

```
REPOSITORY TAG IMAGE ID CREATED VIRTUAL SIZE
```

下載 busybox 映像檔

```
# docker pull busybox
```

```
Using default tag: latest
```

```
latest: Pulling from library/busybox
```

```
a5d4c53980c6: Pull complete
```

```
b41c5284db84: Pull complete
```

```
Digest: sha256:65ce39ce3eb0997074a460adfb568d0b9f0f6a4392d97b6035630c9d7bf92402
```

```
Status: Downloaded newer image for busybox:latest
```

再次觀察現有的映像檔

```
# docker images
```

```
REPOSITORY TAG IMAGE ID CREATED VIRTUAL SIZE
```

```
busybox latest b41c5284db84 7 weeks ago 1.093 MB
```

Lab: 映像檔查詢與取得

方式 1 上網搜尋

<https://hub.docker.com/>



例如 搜尋 opensuse

Explore Help

Q opensuse Sign up Log In

Repositories (96)

All

 opensuse official	49 STARS	35976 PULLS	> DETAILS
 boombatower/opensuse public automated build	0 STARS	1676 PULLS	> DETAILS

點進想抓的Repositories

這邊可以看到 docker pull 指令還有 Dockerfile 相關資訊

OFFICIAL REPOSITORY

opensuse ☆

Last pushed: 7 days ago

Repo Info Tags

Supported tags and respective Dockerfile links

- 13.2, harlequin, latest ([docker/Dockerfile](#))
- tumbleweed ([docker/Dockerfile](#))

DOCKER PULL COMMAND

```
docker pull opensuse
```

方式 2 使用指令

使用 docker search 來搜尋

docker search opensuse

NAME DESCRIPTION STARS OFFICIAL AUTOMATED

opensuse This project contains the stable releases ... 124 [OK]

opensuse/portus Production ready Docker image of Portus. 6 [OK]

novacoast/opensuse-apache 2 [OK]

取得映像檔到本機

使用 指令還有 Web 方式的差異是

在 Web 上面, 我們可以看到 images 的 TAG, 但是使用指令沒有看到

取得 opensuse image

docker pull opensuse

Using default tag: latest

latest: Pulling from library/opensuse

da0e7dee81d7: Pull complete

80bd0f661aef: Pull complete

Digest: sha256:4d13118f99b33de9e3daea45a010c744d2f0c80eade081577606fecf349db3e9

Status: Downloaded newer image for opensuse:latest

如果不下 Tag, 預設是 latest

指定 image and tag

```
# docker pull opensuse:42.1
```

42.1: Pulling from library/opensuse

Digest: sha256:7434fa406aef46e238951a82159693ed02793483f1a2511186b794ec82fc9ff4

Status: Downloaded newer image for opensuse:42.1

利用 docker images 來比對, 比對 IMAGE ID 就會知道 latest 與 42.1 是相同的

```
# docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	VIRTUAL SIZE
------------	-----	----------	---------	--------------

opensuse	latest	80bd0f661aef	5 weeks ago	97.74 MB
----------	--------	--------------	-------------	----------

opensuse	42.1	80bd0f661aef	5 weeks ago	97.74 MB
----------	------	--------------	-------------	----------

busybox	latest	b41c5284db84	7 weeks ago	1.093 MB
---------	--------	--------------	-------------	----------

取得自訂的 image

```
# docker pull sakana/sshd
```

觀察 images

```
# docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
opensuse	42.1	63c4e5e0fa49	2 weeks ago	95.73 MB
opensuse	latest	63c4e5e0fa49	2 weeks ago	95.73 MB
busybox	latest	e02e811dd08f	3 weeks ago	1.093 MB
sakana/sshd	latest	c96ecaaba6c9	10 months ago	329.4 MB