

Trần Tấn Phát

2274802010644

LAB2:

Bài làm

Bài 1. Cập nhật gói phần mềm hiện tại. Sau đó cài đặt gói **figlet**. Kiểm tra xem gói **figlet** đã được cài thành công hay không bằng cách sử dụng thử những tính năng củ nó.
Sau đó xóa **figlet** ra khỏi hệ thống. Kiểm tra figlet đã được xóa/gỡ bằng cách thử chạy lại **figlet** và gặp lỗi.

Cập nhật gói phần mềm hiện tại

```
ubuntu@ubuntu-2274802010644:~/iDragonCloud$ sudo apt update && sudo apt upgrade -y
Hit:1 http://archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://security.ubuntu.com/ubuntu jammy-security InRelease [129 kB]
Get:3 http://archive.ubuntu.com/ubuntu jammy-updates InRelease [128 kB]
Get:4 http://archive.ubuntu.com/ubuntu jammy-backports InRelease [127 kB]
Get:5 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [3641 kB]
Get:6 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [5496 kB]
Get:7 http://archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [1581 kB]
Get:8 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [3327 kB]
Get:9 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [1274 kB]
Fetched 15.7 MB in 4s (3631 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
All packages are up to date.
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Calculating upgrade... Done
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
```

Cài đặt figlet

```
[ubuntu@ubuntu-2274802010644:~/iDragonCloud$ sudo apt install figlet -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
figlet is already the newest version (2.2.5-3).
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
```

In chũ' "DevOps Lab"

```
ubuntu@ubuntu-2274802010644:~/iDragonCloud$ figlet "DevOps Lab"
```



```
ubuntu@ubuntu-2274802010644:~/iDragonCloud$
```

Gỡ figlet khỏi terminal

```
ubuntu@ubuntu-2274802010644:~/iDragonCloud$ sudo apt remove --purge figlet -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following packages will be REMOVED:
  figlet*
0 upgraded, 0 newly installed, 1 to remove and 0 not upgraded.
After this operation, 752 kB disk space will be freed.
(Reading database ... 14935 files and directories currently installed.)
Removing figlet (2.2.5-3) ...
(Reading database ... 14858 files and directories currently installed.)
Purging configuration files for figlet (2.2.5-3) ...
ubuntu@ubuntu-2274802010644:~/iDragonCloud$
```

Kiểm tra figlet sau khi gỡ khỏi terminal

```
ubuntu@ubuntu-2274802010644:~/iDragonCloud$ figlet "Test"
bash: /usr/bin/figlet: No such file or directory
ubuntu@ubuntu-2274802010644:~/iDragonCloud$
```

Bài 2.

- Cài đặt phần mềm **lolcat**. Kết hợp phần mềm này với phần mềm **figlet** để biến text thành cầu vồng trên terminal.
- Cài đặt phần mềm **cowsay**. Kết hợp **cowsay** với **lolcat** để vẽ hình ảnh có màu trên terminal.
- Cài đặt phần mềm **fortune-mod**. Kết hợp **fortune-mod** với **lolcat** để tạo ra 1 đoạn danh ngôn có animation trên terminal.
- Cài đặt phần mềm **sl**. Kết hợp **sl** với **lolcat** và xem kết quả.
- Cài đặt phần mềm **text editor** cho Linux Command Line. Sử dụng phần mềm đã cài đặt để viết nội dung dưới đây vào file có tên **“text.txt”**.


```
ubuntu@ubuntu-2274802010644:~/iDragonCloud$ apt list --installed
Listing... Done
adduser/jammy,now 3.118ubuntu5 all [installed]
apt/jammy-updates,now 2.4.14 amd64 [installed]
base-files/jammy-updates,now 12ubuntu4.7 amd64 [installed]
base-passwd/jammy,now 3.5.52build1 amd64 [installed]
bash/jammy-updates,jammy-security,now 5.1-6ubuntu1.1 amd64 [installed]
bsdutils/jammy-updates,jammy-security,now 1:2.37.2-4ubuntu3.4 amd64 [installed]
bzip2/jammy,now 1.0.8-5build1 amd64 [installed,automatic]
ca-certificates/jammy-updates,jammy-security,now 20240203~22.04.1 all [installed,automatic]
coreutils/jammy-updates,now 8.32-4.1ubuntu1.2 amd64 [installed]
cowsay/jammy,now 3.03+dfsg2-8 all [installed]
curl/jammy-updates,jammy-security,now 7.81.0-1ubuntu1.20 amd64 [installed]
dash/jammy,now 0.5.11+git20210903+057cd650a4ed-3build1 amd64 [installed]
dbus/jammy-updates,jammy-security,now 1.12.20-2ubuntu4.1 amd64 [installed,automatic]
debconf/jammy,now 1.5.79ubuntu1 all [installed]
debianutils/jammy,now 5.5-1ubuntu2 amd64 [installed]
diffutils/jammy,now 1:3.8-0ubuntu2 amd64 [installed]
dirmngr/jammy-updates,jammy-security,now 2.2.27-3ubuntu2.4 amd64 [installed,automatic]
distro-info-data/jammy-updates,now 0.52ubuntu0.9 all [installed,automatic]
dmsetup/jammy-updates,now 2:1.02.175-2.1ubuntu5 amd64 [installed,automatic]
dpkg/jammy-updates,now 1.21.1ubuntu2.3 amd64 [installed]
e2fsprogs/jammy-updates,now 1.46.5-2ubuntu1.2 amd64 [installed]
figlet/jammy,now 2.2.5-3 amd64 [installed]
file/jammy-updates,jammy-security,now 1:5.41-3ubuntu0.1 amd64 [installed,automatic]
findutils/jammy,now 4.8.0-1ubuntu3 amd64 [installed]
fonts-lato/jammy,now 2.0-2.1 all [installed,automatic]
fuse3/jammy,now 3.10.5-1build1 amd64 [installed]
gcc-12-base/jammy-updates,jammy-security,now 12.3.0-1ubuntu1~22.04.2 amd64 [installed]
gir1.2-glib-2.0/jammy,now 1.72.0-1 amd64 [installed,automatic]
gir1.2-packagekitglib-1.0/jammy-updates,now 1.2.5-2ubuntu3 amd64 [installed,automatic]
git-man/jammy-updates,jammy-security,now 1:2.34.1-1ubuntu1.15 all [installed,automatic]
git/jammy-updates,jammy-security,now 1:2.34.1-1ubuntu1.15 amd64 [installed]
gnupg-110n/jammy-updates,jammy-security,now 2.2.27-3ubuntu2.4 all [installed,automatic]
```

```
ubuntu@ubuntu-2274802010644:~/iDragonCloud$ apt-cache depends cowsay
cowsay
  Depends: libtext-charwidth-perl
  Depends: <perl:any>
           perl
  Suggests: filters
  Suggests: cowsay-off
```

Bài 4.

Cài đặt gói phần mềm có tên **Asciiquarium**. Kiểm tra kết quả cài đặt bằng cách chạy các câu lệnh của **Asciiquarium** trên terminal.

```
ubuntu@ubuntu-2274802010644:~/iDragonCloud$ sudo apt update
Hit:1 http://security.ubuntu.com/ubuntu jammy-security InRelease
Hit:2 http://archive.ubuntu.com/ubuntu jammy InRelease
Hit:3 http://archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:4 http://archive.ubuntu.com/ubuntu jammy-backports InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
All packages are up to date.
ubuntu@ubuntu-2274802010644:~/iDragonCloud$ sudo apt install perl wget -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
perl is already the newest version (5.34.0-3ubuntu1.5).
perl set to manually installed.
wget is already the newest version (1.21.2-2ubuntu1.1).
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
ubuntu@ubuntu-2274802010644:~/iDragonCloud$ wget http://www.robobunny.com/projects/asciiquarium/asciiquarium.tar.gz
--2025-09-19 01:01:32-- http://www.robobunny.com/projects/asciiquarium/asciiquarium.tar.gz
Resolving www.robobunny.com (www.robobunny.com)... 136.61.69.135
Connecting to www.robobunny.com (www.robobunny.com)|136.61.69.135|:80... tar -xvzf asciiquarium.tar.gz failed: Connection timed out.
Retrying.

--2025-09-19 01:03:46-- (try: 2) http://www.robobunny.com/projects/asciiquarium/asciiquarium.tar.gz
Connecting to www.robobunny.com (www.robobunny.com)|136.61.69.135|:80...
```

