

docker

Upgrade Docker 1.10



URL for KB Search:

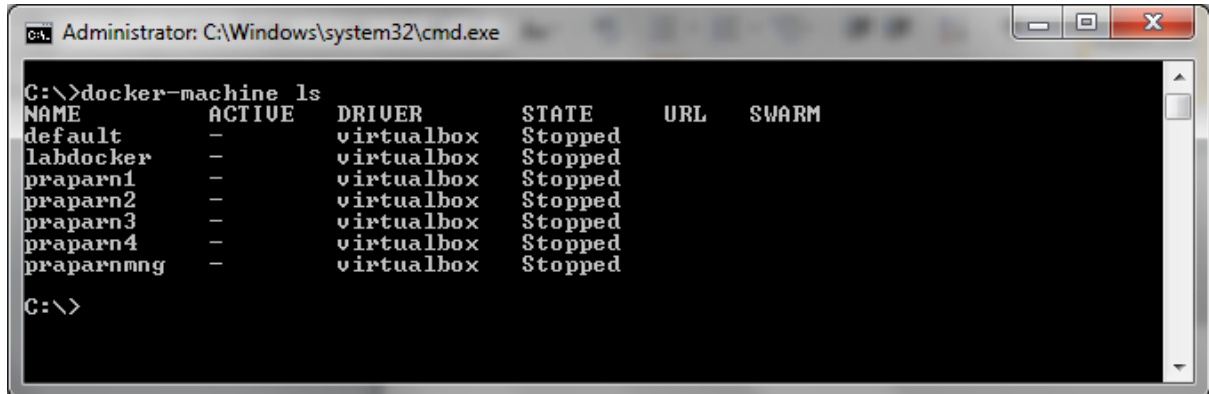
<https://www.docker.com>

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Upgrade Docker-Machine (กรณี Windows & MAC OS)

1. ตรวจสอบ Docker-Machine ที่ใช้งานอยู่บนเครื่องด้วยคำสั่ง `docker-machine ls`



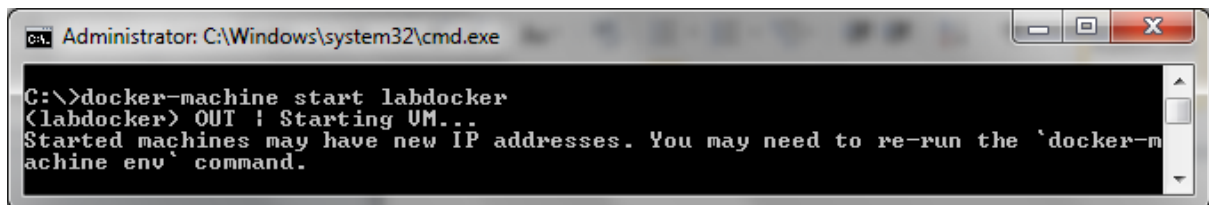
```

Administrator: C:\Windows\system32\cmd.exe

C:\>docker-machine ls
NAME      ACTIVE   DRIVER        STATE     URL         SWARM
default   -        virtualbox    Stopped
labdocker -        virtualbox    Stopped
praparn1  -        virtualbox    Stopped
praparn2  -        virtualbox    Stopped
praparn3  -        virtualbox    Stopped
praparn4  -        virtualbox    Stopped
praparnmng -        virtualbox    Stopped

C:\>
  
```

2. กรณีที่ docker-machine อยู่ในสถานะ stop ให้สร้าง start ด้วยคำสั่ง `docker-machine start <name of docker-machine>`



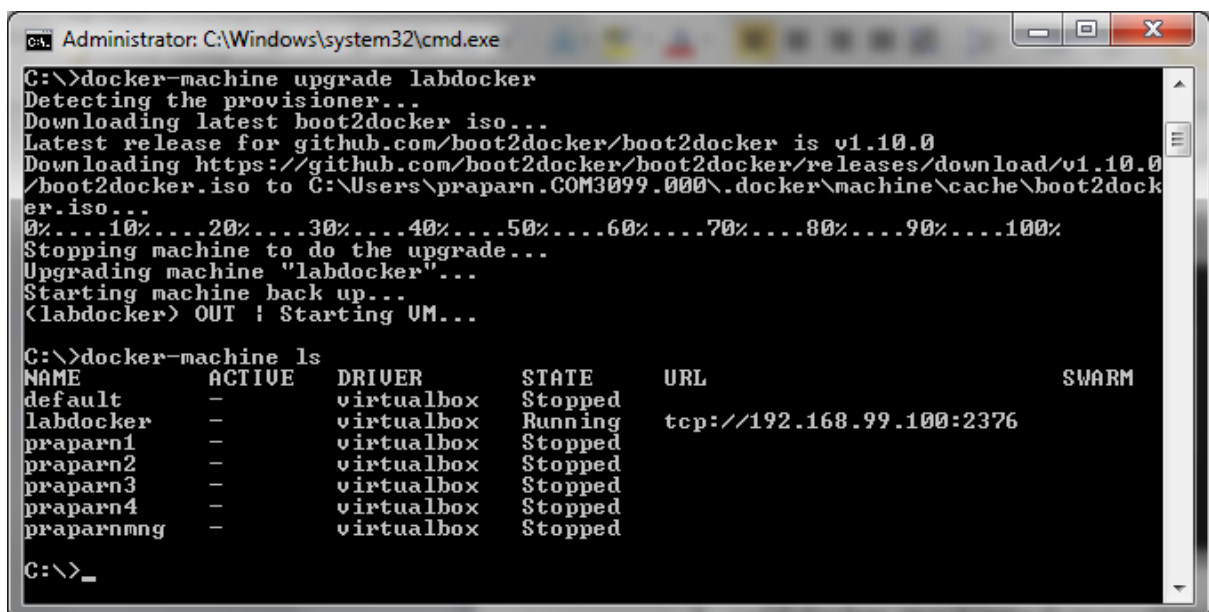
```

Administrator: C:\Windows\system32\cmd.exe

C:\>docker-machine start labdocker
<labdocker> OUT ! Starting VM...
Started machines may have new IP addresses. You may need to re-run the 'docker-machine env' command.

C:\>
  
```

3. สั่ง Upgrade docker-machine ด้วยคำสั่ง `docker-machine upgrade <name of docker-machine>`



```

Administrator: C:\Windows\system32\cmd.exe

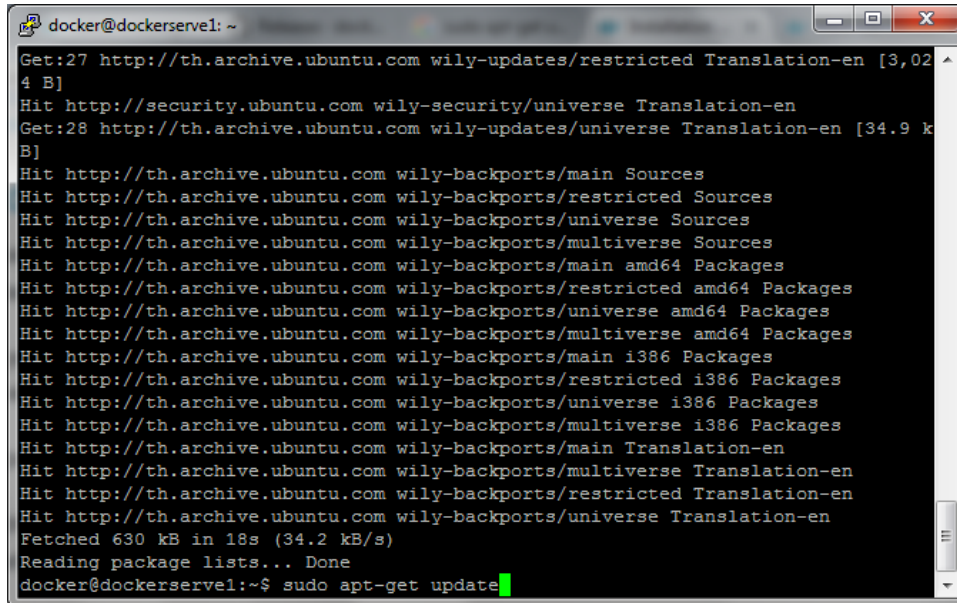
C:\>docker-machine upgrade labdocker
Detecting the provisioner...
Downloading latest boot2docker iso...
Latest release for github.com/boot2docker/boot2docker is v1.10.0
Downloading https://github.com/boot2docker/boot2docker/releases/download/v1.10.0/boot2docker.iso to C:\Users\praparn.COM3099.000\.docker\machine\cache\boot2docker.iso...
0%....10%....20%....30%....40%....50%....60%....70%....80%....90%....100%
Stopping machine to do the upgrade...
Upgrading machine "labdocker"...
Starting machine back up...
<labdocker> OUT ! Starting VM...

C:\>docker-machine ls
NAME      ACTIVE   DRIVER        STATE     URL         SWARM
default   -        virtualbox    Stopped
labdocker -        virtualbox    Running    tcp://192.168.99.100:2376
praparn1  -        virtualbox    Stopped
praparn2  -        virtualbox    Stopped
praparn3  -        virtualbox    Stopped
praparn4  -        virtualbox    Stopped
praparnmng -        virtualbox    Stopped

C:\>_
  
```

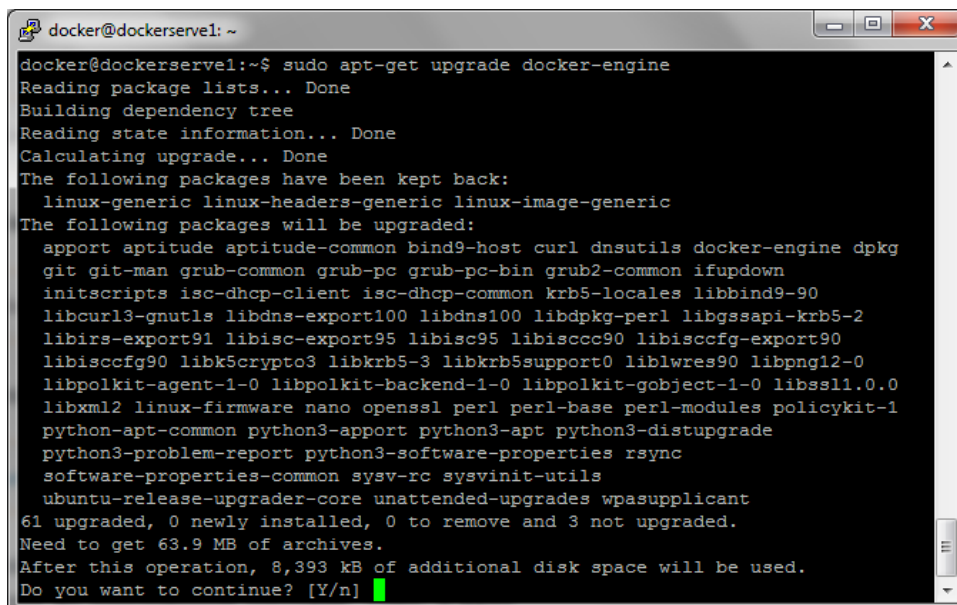

Upgrade Docker Daemon (กรณี Ubuntu Host)

1. อัปเดต Repository ด้วยคำสั่ง “sudo apt-get update”



```
docker@dockerserver1: ~  
Get:27 http://th.archive.ubuntu.com wily-updates/restricted Translation-en [3,024 B]  
Hit http://security.ubuntu.com wily-security/universe Translation-en  
Get:28 http://th.archive.ubuntu.com wily-updates/universe Translation-en [34.9 kB]  
Hit http://th.archive.ubuntu.com wily-backports/main Sources  
Hit http://th.archive.ubuntu.com wily-backports/restricted Sources  
Hit http://th.archive.ubuntu.com wily-backports/universe Sources  
Hit http://th.archive.ubuntu.com wily-backports/multiverse Sources  
Hit http://th.archive.ubuntu.com wily-backports/main amd64 Packages  
Hit http://th.archive.ubuntu.com wily-backports/restricted amd64 Packages  
Hit http://th.archive.ubuntu.com wily-backports/universe amd64 Packages  
Hit http://th.archive.ubuntu.com wily-backports/multiverse amd64 Packages  
Hit http://th.archive.ubuntu.com wily-backports/main i386 Packages  
Hit http://th.archive.ubuntu.com wily-backports/restricted i386 Packages  
Hit http://th.archive.ubuntu.com wily-backports/universe i386 Packages  
Hit http://th.archive.ubuntu.com wily-backports/multiverse i386 Packages  
Hit http://th.archive.ubuntu.com wily-backports/main Translation-en  
Hit http://th.archive.ubuntu.com wily-backports/multiverse Translation-en  
Hit http://th.archive.ubuntu.com wily-backports/restricted Translation-en  
Hit http://th.archive.ubuntu.com wily-backports/universe Translation-en  
Fetched 630 kB in 18s (34.2 kB/s)  
Reading package lists... Done  
docker@dockerserver1:~$ sudo apt-get update
```

2. ในหน้า console ใช้คำสั่ง “sudo apt-get upgrade docker-engine”



```
docker@dockerserver1:~$ sudo apt-get upgrade docker-engine  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
Calculating upgrade... Done  
The following packages have been kept back:  
  linux-generic linux-headers-generic linux-image-generic  
The following packages will be upgraded:  
  apport aptitude aptitude-common bind9-host curl dnsutils docker-engine dpkg  
  git git-man grub-common grub-pc grub-pc-bin grub2-common ifupdown  
  initscripts isc-dhcp-client isc-dhcp-common krb5-locales libbind9-90  
  libcurl3-gnutls libdns-export100 libdns100 libdpkg-perl libgssapi-krb5-2  
  libirs-export91 libisc-export95 libisc95 libisccc90 libiscfg-export90  
  libiscfg90 libk5crypto3 libkrb5-3 libkrb5support0 liblwres90 libpng12-0  
  libpolkit-agent-1-0 libpolkit-backend-1-0 libpolkit-gobject-1-0 libssl1.0.0  
  libxml2 linux-firmware nano openssl perl perl-base perl-modules policykit-1  
  python-apt-common python3-apport python3-apt python3-distupgrade  
  python3-problem-report python3-software-properties rsync  
  software-properties-common sysv-rc sysvinit-utils  
  ubuntu-release-upgrader-core unattended-upgrades wpasupplicant  
61 upgraded, 0 newly installed, 0 to remove and 3 not upgraded.  
Need to get 63.9 MB of archives.  
After this operation, 8,393 kB of additional disk space will be used.  
Do you want to continue? [Y/n]
```

(Answer: Y)

```
docker@dockerserver1: ~
Generating grub configuration file ...
Found linux image: /boot/vmlinuz-4.2.0-16-generic
Found initrd image: /boot/initrd.img-4.2.0-16-generic
Found memtest86+ image: /memtest86+.elf
Found memtest86+ image: /memtest86+.bin
done
Setting up python3-problem-report (2.19.1-0ubuntu5) ...
Setting up python3-apport (2.19.1-0ubuntu5) ...
Setting up apport (2.19.1-0ubuntu5) ...
Setting up aptitude-common (0.7.3-1ubuntu1.1) ...
Setting up aptitude (0.7.3-1ubuntu1.1) ...
Setting up docker-engine (1.10.0-0~wily) ...
Installing new version of config file /etc/bash_completion.d/docker ...

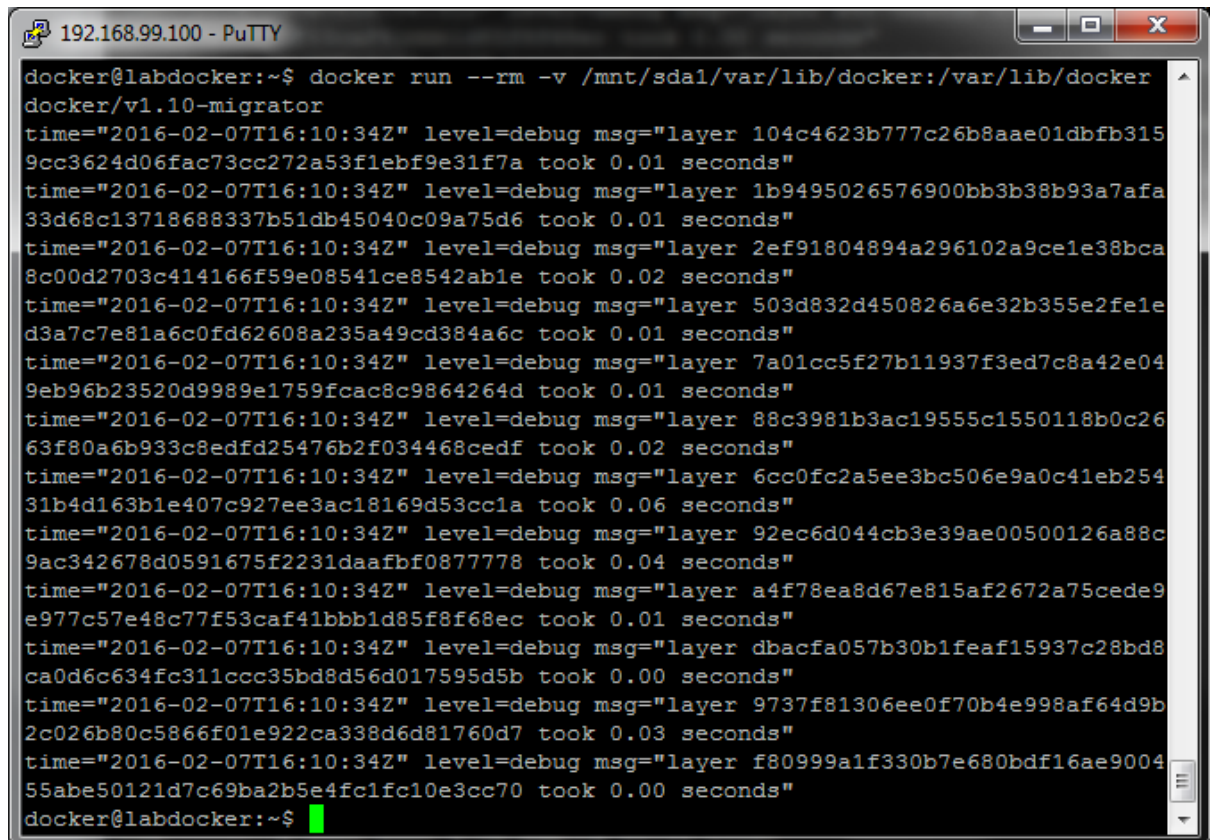
Configuration file '/etc/default/docker'
==> Modified (by you or by a script) since installation.
==> Package distributor has shipped an updated version.
What would you like to do about it ? Your options are:
  Y or I : install the package maintainer's version
  N or O : keep your currently-installed version
  D      : show the differences between the versions
  Z      : start a shell to examine the situation
The default action is to keep your current version.
*** docker (Y/I/N/O/D/Z) [default=N] ? N
```

```
docker@dockerserver1: ~
*** docker (Y/I/N/O/D/Z) [default=N] ? N
Installing new version of config file /etc/init/docker.conf ...
Setting up git-man (1:2.5.0-1ubuntu0.1) ...
Setting up git (1:2.5.0-1ubuntu0.1) ...
Setting up libpolkit-agent-1-0:amd64 (0.105-11ubuntu3) ...
Setting up libpolkit-backend-1-0:amd64 (0.105-11ubuntu3) ...
Setting up linux-firmware (1.149.3) ...
Setting up policykit-1 (0.105-11ubuntu3) ...
PolicyKit daemon disconnected from the bus.
We are no longer a registered authentication agent.
PolicyKit daemon reconnected to bus.
Attempting to re-register as an authentication agent.
We are now a registered authentication agent.
Setting up unattended-upgrades (0.86.2ubuntu1.1) ...
update-rc.d: warning: start and stop actions are no longer supported; falling ba
ck to defaults
Setting up python3-software-properties (0.96.13.1) ...
Setting up software-properties-common (0.96.13.1) ...
Processing triggers for shared-mime-info (1.3-1) ...
Processing triggers for libc-bin (2.21-0ubuntu4) ...
Processing triggers for ureadahead (0.100.0-19) ...
docker@dockerserver1:~$ docker -v
Docker version 1.10.0, build 590d5108
docker@dockerserver1:~$
```

Upgrade Image file ผ่าน migration tool โดยใช้เวลาในการ migrate

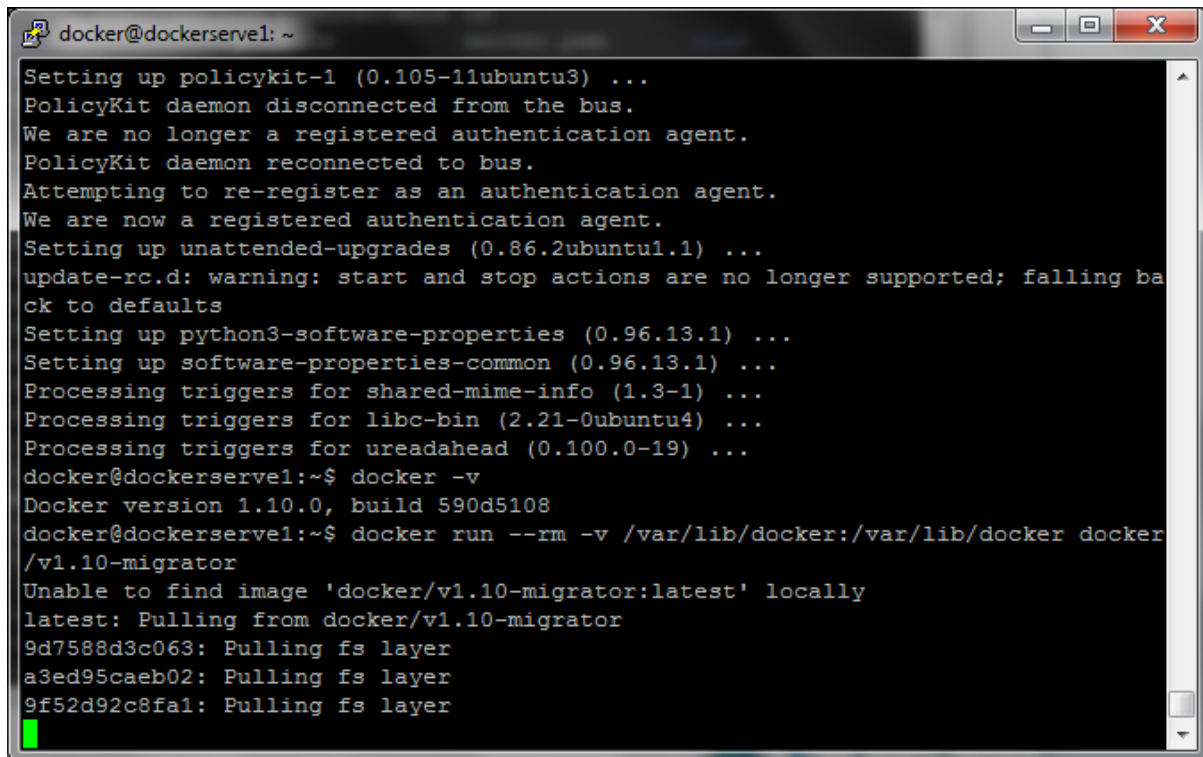
1. สำหรับ windows , mac os ใช้คำสั่ง `docker run --rm -v`

`/var/lib/docker:/var/lib/docker docker/v1.10-migrator`



```
192.168.99.100 - PuTTY
docker@labdocker:~$ docker run --rm -v /mnt/sda1/var/lib/docker:/var/lib/docker
docker/v1.10-migrator
time="2016-02-07T16:10:34Z" level=debug msg="layer 104c4623b777c26b8aae01dbfb315
9cc3624d06fac73cc272a53f1ebf9e31f7a took 0.01 seconds"
time="2016-02-07T16:10:34Z" level=debug msg="layer 1b9495026576900bb3b38b93a7afa
33d68c13718688337b51db45040c09a75d6 took 0.01 seconds"
time="2016-02-07T16:10:34Z" level=debug msg="layer 2ef91804894a296102a9ce1e38bca
8c00d2703c414166f59e08541ce8542ab1e took 0.02 seconds"
time="2016-02-07T16:10:34Z" level=debug msg="layer 503d832d450826a6e32b355e2fe1e
d3a7c7e81a6c0fd62608a235a49cd384a6c took 0.01 seconds"
time="2016-02-07T16:10:34Z" level=debug msg="layer 7a01cc5f27b11937f3ed7c8a42e04
9eb96b23520d9989e1759fcac8c9864264d took 0.01 seconds"
time="2016-02-07T16:10:34Z" level=debug msg="layer 88c3981b3ac19555c1550118b0c26
63f80a6b933c8edfd25476b2f034468cedf took 0.02 seconds"
time="2016-02-07T16:10:34Z" level=debug msg="layer 6cc0fc2a5ee3bc506e9a0c41eb254
31b4d163b1e407c927ee3ac18169d53cc1a took 0.06 seconds"
time="2016-02-07T16:10:34Z" level=debug msg="layer 92ec6d044cb3e39ae00500126a88c
9ac342678d0591675f2231daafb0877778 took 0.04 seconds"
time="2016-02-07T16:10:34Z" level=debug msg="layer a4f78ea8d67e815af2672a75cede9
e977c57e48c77f53caf41bbb1d85f8f68ec took 0.01 seconds"
time="2016-02-07T16:10:34Z" level=debug msg="layer dbacfa057b30b1feaf15937c28bd8
ca0d6c634fc311ccc35bd8d56d017595d5b took 0.00 seconds"
time="2016-02-07T16:10:34Z" level=debug msg="layer 9737f81306ee0f70b4e998af64d9b
2c026b80c5866f01e922ca338d6d81760d7 took 0.03 seconds"
time="2016-02-07T16:10:34Z" level=debug msg="layer f80999a1f330b7e680bdf16ae9004
55abe50121d7c69ba2b5e4fc1fc10e3cc70 took 0.00 seconds"
docker@labdocker:~$
```

2. สำหรับ Linux server ใช้คำสั่ง `docker run --rm -v /mnt/sda1/var/lib/docker:/var/lib/docker docker/v1.10-migrator`

A terminal window titled 'docker@dockerserver1: ~' showing the output of various system updates and Docker commands. The output includes messages about PolicyKit daemon, unattended-upgrades, and the Docker version 1.10.0. It also shows the command to run the Docker v1.10-migrator, which fails to find the image locally and starts pulling it from Docker Hub. The terminal text is as follows:

```
docker@dockerserver1: ~
Setting up policykit-1 (0.105-1ubuntu3) ...
PolicyKit daemon disconnected from the bus.
We are no longer a registered authentication agent.
PolicyKit daemon reconnected to bus.
Attempting to re-register as an authentication agent.
We are now a registered authentication agent.
Setting up unattended-upgrades (0.86.2ubuntu1.1) ...
update-rc.d: warning: start and stop actions are no longer supported; falling ba
ck to defaults
Setting up python3-software-properties (0.96.13.1) ...
Setting up software-properties-common (0.96.13.1) ...
Processing triggers for shared-mime-info (1.3-1) ...
Processing triggers for libc-bin (2.21-0ubuntu4) ...
Processing triggers for ureadahead (0.100.0-19) ...
docker@dockerserver1:~$ docker -v
Docker version 1.10.0, build 590d5108
docker@dockerserver1:~$ docker run --rm -v /var/lib/docker:/var/lib/docker docker
/v1.10-migrator
Unable to find image 'docker/v1.10-migrator:latest' locally
latest: Pulling from docker/v1.10-migrator
9d7588d3c063: Pulling fs layer
a3ed95caeb02: Pulling fs layer
9f52d92c8fa1: Pulling fs layer
```



```
docker@dockerserve1: ~
9f52d92c8fa1: Pull complete
Digest: sha256:4cfcb7cc9c4ad342b9d420f7d233008aa49bee9198c382a1c313df7f14d3886
Status: Downloaded newer image for docker/v1.10-migrator:latest
time="2016-02-07T15:53:09Z" level=debug msg="layer 0a6ba66e537a53a5ea94f7c6a99c5
34c6adb12e3ed09326d4bf3b38f7c3ba4e7 took 0.00 seconds"
time="2016-02-07T15:53:09Z" level=debug msg="layer 104c4623b777c26b8aae01dbfb315
9cc3624d06fac73cc272a53f1ebf9e31f7a took 0.00 seconds"
time="2016-02-07T15:53:09Z" level=debug msg="layer 1b9495026576900bb3b38b93a7afa
33d68c13718688337b51db45040c09a75d6 took 0.00 seconds"
time="2016-02-07T15:53:09Z" level=debug msg="layer 2ef91804894a296102a9ce1e38bca
8c00d2703c414166f59e08541ce8542able took 0.00 seconds"
time="2016-02-07T15:53:09Z" level=debug msg="layer 503d832d450826a6e32b355e2fe1e
d3a7c7e81a6c0fd62608a235a49cd384a6c took 0.00 seconds"
time="2016-02-07T15:53:09Z" level=debug msg="layer 6cc0fc2a5ee3bc506e9a0c41eb254
31b4d163b1e407c927ee3ac18169d53cc1a took 0.00 seconds"
time="2016-02-07T15:53:09Z" level=debug msg="layer 7a01cc5f27b11937f3ed7c8a42e04
9eb96b23520d9989e1759fcac8c9864264d took 0.00 seconds"
time="2016-02-07T15:53:09Z" level=debug msg="layer 92ec6d044cb3e39ae00500126a88c
9ac342678d0591675f2231daafb0877778 took 0.00 seconds"
time="2016-02-07T15:53:09Z" level=debug msg="layer 9737f81306ee0f70b4e998af64d9b
2c026b80c5866f01e922ca338d6d81760d7 took 0.00 seconds"
time="2016-02-07T15:53:09Z" level=debug msg="layer a4f78ea8d67e815af2672a75cede9
e977c57e48c77f53caf41bbb1d85f8f68ec took 0.00 seconds"
time="2016-02-07T15:53:09Z" level=debug msg="layer b901d36b6f2fd759c362819c59530
1ca981622654e7ea8a1aac893fbd2740b4c took 0.00 seconds"
time="2016-02-07T15:53:09Z" level=debug msg="layer dbacfa057b30b1feaf15937c28bd8
ca0d6c634fc311ccc35bd8d56d017595d5b took 0.00 seconds"
time="2016-02-07T15:53:09Z" level=debug msg="layer ea9c18c83706a03201182eae81652
6da1f5959ea4864673898e967c8fec7ae32 took 0.00 seconds"
time="2016-02-07T15:53:09Z" level=debug msg="layer f80999a1f330b7e680bdf16ae9004
55abe50121d7c69ba2b5e4fc1fc10e3cc70 took 0.00 seconds"
time="2016-02-07T15:53:09Z" level=debug msg="layer 88c3981b3ac19555c1550118b0c26
63f80a6b933c8edfd25476b2f034468cedf took 0.00 seconds"
docker@dockerserve1:~$ docker ps -a
```