

Practice B : Container for CLI testing

- Install new package in container
- Use centos:7 and ubuntu:14.04 and install curl in each container
- This practice requires you to pull both images and run interactively to install the package curl
- Ensure curl is installed and latest version for that distro
 - Centos : yum install curl
 - Ubuntu: apt-get update && apt-get install curl
- Verify curl version by [curl --version]

Practice B : Solution

```
[root@servera ~]# docker container run --rm -it centos:7 bash
Unable to find image 'centos:7' locally
7: Pulling from library/centos
ab5ef0e58194: Downloading [=====>
```

```
] 53.14MB/75.78MB
```

```
[root@servera ~]# docker container run --rm -it ubuntu:14.04 bash
Unable to find image 'ubuntu:14.04' locally
14.04: Pulling from library/ubuntu
2e6e20c8e2e6: Downloading [=====>
30bb187ac3fc: Download complete
b7a5bcc4a58a: Download complete
```

```
] 28.51MB/70.69MB
```

Practice B : Solution

```
[root@servera ~]# docker container run --rm -it centos:7 bash
Unable to find image 'centos:7' locally
7: Pulling from library/centos
ab5ef0e58194: Pull complete
Digest: sha256:4a701376d03f6b39b8c2a8f4a8e499441b0d567f9ab9d58e4991de4472fb813c
Status: Downloaded newer image for centos:7
[root@54a6c6d9ded5 /]#
[root@54a6c6d9ded5 /]#
[root@54a6c6d9ded5 /]# yum update curl
Loaded plugins: fastestmirror, ovl
Determining fastest mirrors
 * base: centos.ipserverone.com
 * extras: centos.ipserverone.com
 * updates: centos.ipserverone.com
```

```
[root@servera ~]# docker container run --rm -it ubuntu:14.04 bash
Unable to find image 'ubuntu:14.04' locally
14.04: Pulling from library/ubuntu
2e6e20c8e2e6: Pull complete
30bb187ac3fc: Pull complete
b7a5bcc4a58a: Pull complete
Digest: sha256:ffc76f71dd8be8c9e222d420dc96901a07b61616689a44c7b3ef6a10b7213de4
Status: Downloaded newer image for ubuntu:14.04
root@be0913d9397f:/#
root@be0913d9397f:/#
root@be0913d9397f:/# apt-get update && apt-get install curl
Get:1 http://security.ubuntu.com trusty-security InRelease [65.9 kB]
Ign http://archive.ubuntu.com trusty InRelease
Get:2 http://security.ubuntu.com trusty-security/main amd64 Packages [1032 kB]
Get:3 http://archive.ubuntu.com trusty-updates InRelease [65.9 kB]
```

Practice B : Solution

```
[root@54a6c6d9ded5 /]# cat /etc/*rel*
CentOS Linux release 7.7.1908 (Core)
Derived from Red Hat Enterprise Linux 7.7 (Source)
NAME="CentOS Linux"
VERSION="7 (Core)"
ID="centos"
ID_LIKE="rhel fedora"
VERSION_ID="7"
PRETTY_NAME="CentOS Linux 7 (Core)"
ANSI_COLOR="0;31"
CPE_NAME="cpe:/o:centos:centos:7"
HOME_URL="https://www.centos.org/"
BUG_REPORT_URL="https://bugs.centos.org/"

CENTOS_MANTISBT_PROJECT="CentOS-7"
CENTOS_MANTISBT_PROJECT_VERSION="7"
REDHAT_SUPPORT_PRODUCT="centos"
REDHAT_SUPPORT_PRODUCT_VERSION="7"

cat: /etc/prelink.conf.d: Is a directory
CentOS Linux release 7.7.1908 (Core)
CentOS Linux release 7.7.1908 (Core)
cpe:/o:centos:centos:7
[root@54a6c6d9ded5 /]# curl --version
curl 7.29.0 (x86_64-redhat-linux-gnu) libcurl/7.29.0 NSS/3.44 zlib/1.2.7 libidn/1.28 libssh2/1.8.0
Protocols: dict file ftp ftps gopher http https imap imaps ldap ldaps pop3 pop3s rtsp scp sftp smtp smtps telnet tftp
Features: AsynchDNS GSS-Negotiate IDN IPv6 Largefile NTLM NTLM_WB SSL libz unix-sockets
[root@54a6c6d9ded5 /]#
```

Practice B : Solution

```
root@be0913d9397f:/# cat /etc/*rel*
DISTRIB_ID=Ubuntu
DISTRIB_RELEASE=14.04
DISTRIB_CODENAME=trusty
DISTRIB_DESCRIPTION="Ubuntu 14.04.6 LTS"
NAME="Ubuntu"
VERSION="14.04.6 LTS, Trusty Tahr"
ID=ubuntu
ID_LIKE=debian
PRETTY_NAME="Ubuntu 14.04.6 LTS"
VERSION_ID="14.04"
HOME_URL="http://www.ubuntu.com/"
SUPPORT_URL="http://help.ubuntu.com/"
BUG_REPORT_URL="http://bugs.launchpad.net/ubuntu/"
root@be0913d9397f:/# curl --version
curl 7.35.0 (x86_64-pc-linux-gnu) libcurl/7.35.0 OpenSSL/1.0.1f zlib/1.2.8 libidn/1.28 librtmp/2.3
Protocols: dict file ftp ftps gopher http https imap imaps ldap ldaps pop3 pop3s rtmp rtsp smtp smtps telnet tftp
Features: AsynchDNS GSS-Negotiate IDN IPv6 Largefile NTLM NTLM_WB SSL libz TLS-SRP
root@be0913d9397f:/#
```