

Course Name: Virtualization and Cloud Computing

Assignment No: 01

Class No: 01, 02, 03

1. Creating two container's :

Container-1: ruhul

\$ sudo lxc-create -t download -n ruhul

```
wrong@ruhulamin-lct: ~  
File Edit View Search Terminal Help  
wrong@ruhulamin-lct:~$ sudo lxc-create -t download -n ruhul  
Setting up the GPG keyring  
Downloading the image index  
---  
DIST      RELEASE ARCH      VARIANT BUILD  
---  
alpine 3.10 amd64 default 20200918_13:00  
alpine 3.10 arm64 default 20200918_13:00  
alpine 3.10 armhf default 20200918_13:00  
alpine 3.10 i386 default 20200918_13:00  
alpine 3.10 ppc64el default 20200918_13:01  
alpine 3.10 s390x default 20200918_13:00  
alpine 3.11 amd64 default 20200918_13:00  
alpine 3.11 arm64 default 20200918_13:00  
alpine 3.11 armhf default 20200918_13:00  
alpine 3.11 i386 default 20200918_13:00  
alpine 3.11 ppc64el default 20200918_13:00  
alpine 3.11 s390x default 20200918_13:00  
alpine 3.12 amd64 default 20200918_13:00  
alpine 3.12 arm64 default 20200918_13:00  
alpine 3.12 armhf default 20200918_13:00  
alpine 3.12 i386 default 20200918_13:00  
alpine 3.12 ppc64el default 20200918_13:00  
alpine 3.12 s390x default 20200918_13:00  
alpine 3.9 amd64 default 20200918_13:00  
alpine 3.9 arm64 default 20200918_13:00  
alpine 3.9 armhf default 20200918_13:00  
alpine 3.9 i386 default 20200918_13:00  
alpine 3.9 ppc64el default 20200918_13:00  
alpine 3.9 s390x default 20200918_13:00  
alpine edge amd64 default 20200918_13:00  
alpine edge arm64 default 20200918_13:00  
alpine edge armhf default 20200918_13:00  
alpine edge i386 default 20200918_13:00  
alpine edge ppc64el default 20200918_13:00  
alpine edge s390x default 20200918_13:00  
alt Sisyphus amd64 default 20200918_01:17
```

```
wrong@ruhulamin-lct: ~  
File Edit View Search Terminal Help  
ubuntu groovy amd64 default 20200918_07:42  
ubuntu groovy arm64 default 20200918_08:38  
ubuntu groovy armhf default 20200918_07:42  
ubuntu groovy ppc64el default 20200918_08:12  
ubuntu groovy s390x default 20200918_07:42  
ubuntu trusty amd64 default 20200918_07:45  
ubuntu trusty arm64 default 20200918_07:42  
ubuntu trusty armhf default 20200918_07:42  
ubuntu trusty i386 default 20200918_07:42  
ubuntu trusty ppc64el default 20200918_07:42  
ubuntu xenial amd64 default 20200918_07:42  
ubuntu xenial arm64 default 20200918_07:42  
ubuntu xenial armhf default 20200918_07:42  
ubuntu xenial i386 default 20200918_07:42  
ubuntu xenial ppc64el default 20200918_07:59  
ubuntu xenial s390x default 20200918_07:42  
voidlinux current amd64 default 20200917_17:10  
voidlinux current arm64 default 20200917_17:10  
voidlinux current armhf default 20200917_17:10  
voidlinux current i386 default 20200917_17:10  
---  
Distribution:  
ubuntu  
Release:  
xenial  
Architecture:  
amd64  
  
Using image from local cache  
Unpacking the rootfs  
---  
You just created an Ubuntu xenial amd64 (20200914_07:42) container.  
  
To enable SSH, run: apt install openssh-server  
No default root or user password are set by LXC.  
wrong@ruhulamin-lct:~$
```

Container-2: test

\$ sudo lxc-create -t download -n test

```
wrong@ruhulamin-lct: ~  
File Edit View Search Terminal Help  
wrong@ruhulamin-lct:~$ sudo lxc-create -t download -n test  
Setting up the GPG keyring  
Downloading the image index  
---  
DIST RELEASE ARCH VARIANT BUILD  
---  
alpine 3.10 amd64 default 20200918_13:00  
alpine 3.10 arm64 default 20200918_13:00  
alpine 3.10 armhf default 20200918_13:00  
alpine 3.10 i386 default 20200918_13:00  
alpine 3.10 ppc64el default 20200918_13:01  
alpine 3.10 s390x default 20200918_13:00  
alpine 3.11 amd64 default 20200918_13:00  
alpine 3.11 arm64 default 20200918_13:00  
alpine 3.11 armhf default 20200918_13:00  
alpine 3.11 i386 default 20200918_13:00  
alpine 3.11 ppc64el default 20200918_13:00  
alpine 3.11 s390x default 20200918_13:00  
alpine 3.12 amd64 default 20200918_13:00  
alpine 3.12 arm64 default 20200918_13:00  
alpine 3.12 armhf default 20200918_13:00  
alpine 3.12 i386 default 20200918_13:00  
alpine 3.12 ppc64el default 20200918_13:00  
alpine 3.12 s390x default 20200918_13:00  
alpine 3.9 amd64 default 20200918_13:00  
alpine 3.9 arm64 default 20200918_13:00  
alpine 3.9 armhf default 20200918_13:00  
alpine 3.9 i386 default 20200918_13:00  
alpine 3.9 ppc64el default 20200918_13:00  
alpine 3.9 s390x default 20200918_13:00  
alpine edge amd64 default 20200918_13:00  
alpine edge arm64 default 20200918_13:00  
alpine edge armhf default 20200918_13:00  
alpine edge i386 default 20200918_13:00  
alpine edge ppc64el default 20200918_13:00  
alpine edge s390x default 20200918_13:00  
alt Sisyphus amd64 default 20200918_01:17
```

```
wrong@ruhulamin-lct: ~  
File Edit View Search Terminal Help  
ubuntu groovy amd64 default 20200918_07:42  
ubuntu groovy arm64 default 20200918_08:38  
ubuntu groovy armhf default 20200918_07:42  
ubuntu groovy ppc64el default 20200918_08:12  
ubuntu groovy s390x default 20200918_07:42  
ubuntu trusty amd64 default 20200918_07:45  
ubuntu trusty arm64 default 20200918_07:42  
ubuntu trusty armhf default 20200918_07:42  
ubuntu trusty i386 default 20200918_07:42  
ubuntu trusty ppc64el default 20200918_07:42  
ubuntu xenial amd64 default 20200918_07:42  
ubuntu xenial arm64 default 20200918_07:42  
ubuntu xenial armhf default 20200918_07:42  
ubuntu xenial i386 default 20200918_07:42  
ubuntu xenial ppc64el default 20200918_07:59  
ubuntu xenial s390x default 20200918_07:42  
voidlinux current amd64 default 20200918_17:10  
voidlinux current arm64 default 20200918_17:10  
voidlinux current armhf default 20200918_17:10  
voidlinux current i386 default 20200918_17:10  
---  
Distribution:  
ubuntu  
Release:  
xenial  
Architecture:  
amd64  
  
Using image from local cache  
Unpacking the rootfs  
---  
You just created an Ubuntu xenial amd64 (20200918_07:42) container.  
  
To enable SSH, run: apt install openssh-server  
No default root or user password are set by LXC.  
wrong@ruhulamin-lct:~$
```

Both of the containers are on running state.

\$ sudo lxc-ls --fancy

\$ sudo lxc-start -n ruhul

\$ sudo lxc-start -n test

\$ sudo lxc-ls --fancy

```
wrong@ruhulamin-lct: ~  
File Edit View Search Terminal Help  
wrong@ruhulamin-lct:~$ sudo lxc-ls --fancy  
[sudo] password for wrong:  
NAME STATE AUTOSTART GROUPS IPV4 IPV6 UNPRIVILEGED  
ruhul STOPPED 0 - - - false  
test STOPPED 0 - - - false  
wrong@ruhulamin-lct:~$ sudo lxc-start -n ruhul  
sudo: lxc-start: command not found  
wrong@ruhulamin-lct:~$ sudo lxc-start -n ruhul  
wrong@ruhulamin-lct:~$ sudo lxc-start -n test  
wrong@ruhulamin-lct:~$ sudo lxc-ls --fancy  
sudo: lxc-ls: command not found  
wrong@ruhulamin-lct:~$ sudo lxc-ls --fancy  
NAME STATE AUTOSTART GROUPS IPV4 IPV6 UNPRIVILEGED  
ruhul RUNNING 0 - 10.0.3.232 - false  
test RUNNING 0 - 10.0.3.8 - false  
wrong@ruhulamin-lct:~$
```

2. Installing web server (apache) in container-1(ruhul):

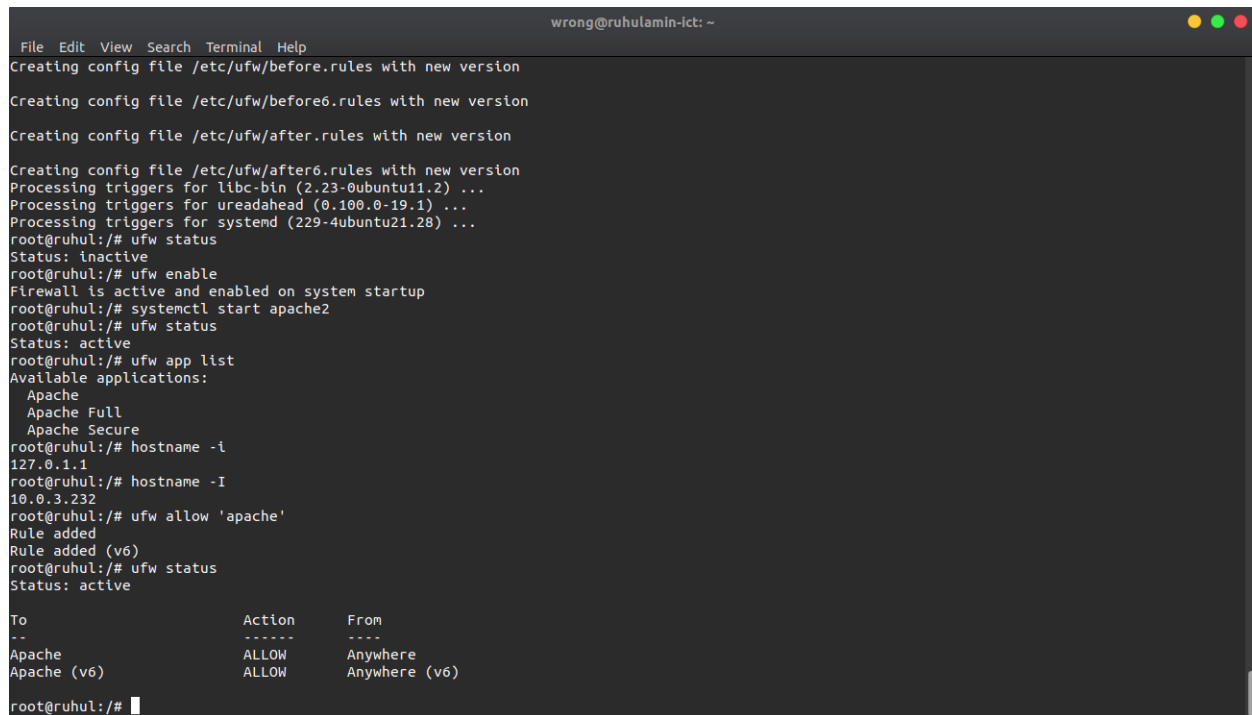
```
# apt-get install apache2
```

```
wrong@ruhulamin-ict: ~  
File Edit View Search Terminal Help  
root@ruhul:/# apt-get install apache2  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
The following additional packages will be installed:  
  apache2-bin apache2-data apache2-utils libapr1 libaprutil1 libaprutil1-dbd-sqlite3 libaprutil1-ldap libgdbm3 libcups2 liblua5.1-0  
  libperl5.22 libxml2 perl perl-modules-5.22 rename sgml-base ssl-cert xml-core  
Suggested packages:  
  www-browser apache2-doc apache2-suexec-pristine | apache2-suexec-custom ufw perl-doc libterm-readline-gnu-perl  
  | libterm-readline-perl-perl make sgml-base-doc openssl-blacklist debhelper  
The following NEW packages will be installed:  
  apache2 apache2-bin apache2-data apache2-utils libapr1 libaprutil1 libaprutil1-dbd-sqlite3 libaprutil1-ldap libgdbm3 libcups2 liblua5.1-0  
  libperl5.22 libxml2 perl perl-modules-5.22 rename sgml-base ssl-cert xml-core  
0 upgraded, 19 newly installed, 0 to remove and 0 not upgraded.  
Need to get 16.2 MB of archives.  
After this operation, 79.1 MB of additional disk space will be used.  
Do you want to continue? [Y/n] y  
Get:1 http://archive.ubuntu.com/ubuntu xenial/main amd64 libgdbm3 amd64 1.8.3-13.1 [16.9 kB]  
Get:2 http://archive.ubuntu.com/ubuntu xenial/main amd64 sgml-base all 1.26+nm4ubuntu1 [12.5 kB]  
Get:3 http://archive.ubuntu.com/ubuntu xenial-updates/main amd64 perl-modules-5.22 all 5.22.1-9ubuntu0.6 [2629 kB]  
Get:4 http://archive.ubuntu.com/ubuntu xenial-updates/main amd64 libperl5.22 amd64 5.22.1-9ubuntu0.6 [3405 kB]  
Get:5 http://archive.ubuntu.com/ubuntu xenial-updates/main amd64 perl amd64 5.22.1-9ubuntu0.6 [237 kB]  
Get:6 http://archive.ubuntu.com/ubuntu xenial/main amd64 libapr1 amd64 1.5.2-3 [86.0 kB]  
Get:7 http://archive.ubuntu.com/ubuntu xenial/main amd64 libaprutil1 amd64 1.5.4-1build1 [77.1 kB]  
Get:8 http://archive.ubuntu.com/ubuntu xenial/main amd64 libaprutil1-dbd-sqlite3 amd64 1.5.4-1build1 [10.6 kB]  
Get:9 http://archive.ubuntu.com/ubuntu xenial/main amd64 libaprutil1-ldap amd64 1.5.4-1build1 [8720 B]  
Get:10 http://archive.ubuntu.com/ubuntu xenial/main amd64 liblua5.1-0 amd64 5.1.5-8ubuntu1 [102 kB]  
Get:11 http://archive.ubuntu.com/ubuntu xenial-updates/main amd64 libcups2 amd64 2.2.3-7ubuntu0.5 [7650 kB]  
Get:12 http://archive.ubuntu.com/ubuntu xenial-updates/main amd64 libxml2 amd64 2.9.3+dfsg1-1ubuntu0.7 [698 kB]  
Get:13 http://archive.ubuntu.com/ubuntu xenial-updates/main amd64 apache2-bin amd64 2.4.18-2ubuntu3.17 [927 kB]  
Get:14 http://archive.ubuntu.com/ubuntu xenial-updates/main amd64 apache2-utils amd64 2.4.18-2ubuntu3.17 [81.9 kB]  
Get:15 http://archive.ubuntu.com/ubuntu xenial-updates/main amd64 apache2-data all 2.4.18-2ubuntu3.17 [162 kB]  
Get:16 http://archive.ubuntu.com/ubuntu xenial-updates/main amd64 apache2 amd64 2.4.18-2ubuntu3.17 [86.8 kB]  
Get:17 http://archive.ubuntu.com/ubuntu xenial/main amd64 xml-core all 0.13+nm2 [23.3 kB]  
Get:18 http://archive.ubuntu.com/ubuntu xenial/main amd64 rename all 0.20-4 [12.0 kB]  
Get:19 http://archive.ubuntu.com/ubuntu xenial/main amd64 ssl-cert all 1.0.37 [16.9 kB]  
Fetched 16.2 MB in 38s (419 kB/s)  
perl: warning: Setting locale failed.
```

```
wrong@ruhulamin-ict: ~  
File Edit View Search Terminal Help  
Setting up apache2-bin (2.4.18-2ubuntu3.17) ...  
Setting up apache2-utils (2.4.18-2ubuntu3.17) ...  
Setting up apache2-data (2.4.18-2ubuntu3.17) ...  
Setting up apache2 (2.4.18-2ubuntu3.17) ...  
Enabling module mpm_event.  
Enabling module authz_core.  
Enabling module authz_host.  
Enabling module authn_core.  
Enabling module auth_basic.  
Enabling module access_compat.  
Enabling module authn_file.  
Enabling module authz_user.  
Enabling module alias.  
Enabling module dir.  
Enabling module autoindex.  
Enabling module env.  
Enabling module mime.  
Enabling module negotiation.  
Enabling module setenvif.  
Enabling module filter.  
Enabling module deflate.  
Enabling module status.  
Enabling conf charset.  
Enabling conf localized-error-pages.  
Enabling conf other-vhosts-access-log.  
Enabling conf security.  
Enabling conf serve-cgi-bin.  
Enabling site 000-default.  
Setting up xml-core (0.13+nm2) ...  
Setting up rename (0.20-4) ...  
update-alternatives: using /usr/bin/file-rename to provide /usr/bin/rename (rename) in auto mode  
Setting up ssl-cert (1.0.37) ...  
locale: Cannot set LC_ALL to default locale: No such file or directory  
Processing triggers for libc-bin (2.23-0ubuntu11.2) ...  
Processing triggers for ureadahead (0.100.0-19.1) ...  
Processing triggers for systemd (229-4ubuntu21.28) ...  
Processing triggers for sgml-base (1.26+nm4ubuntu1) ...  
root@ruhul:/#
```

Configuration of web server (apache):

```
# apt-get install ufw  
# ufw status  
# ufw enable  
# ufw app list  
# ufw allow 'apache'  
# ufw status
```



A terminal window titled 'wrong@ruhulamin-ict: ~' showing the execution of several commands to configure UFW and Apache. The output shows UFW being installed, enabled, and configured to allow Apache. The terminal also shows the system's IP address and the status of the firewall rules.

```
File Edit View Search Terminal Help  
Creating config file /etc/ufw/before.rules with new version  
Creating config file /etc/ufw/before6.rules with new version  
Creating config file /etc/ufw/after.rules with new version  
Creating config file /etc/ufw/after6.rules with new version  
Processing triggers for libc-bin (2.23-0ubuntu11.2) ...  
Processing triggers for ureadahead (0.100.0-19.1) ...  
Processing triggers for systemd (229-4ubuntu21.28) ...  
root@ruhul:/# ufw status  
Status: inactive  
root@ruhul:/# ufw enable  
Firewall is active and enabled on system startup  
root@ruhul:/# systemctl start apache2  
root@ruhul:/# ufw status  
Status: active  
root@ruhul:/# ufw app list  
Available applications:  
  Apache  
  Apache Full  
  Apache Secure  
root@ruhul:/# hostname -i  
127.0.1.1  
root@ruhul:/# hostname -I  
10.0.3.232  
root@ruhul:/# ufw allow 'apache'  
Rule added  
Rule added (v6)  
root@ruhul:/# ufw status  
Status: active  
  
To Action From  
--  
Apache ALLOW Anywhere  
Apache (v6) ALLOW Anywhere (v6)  
root@ruhul:/#
```

3. Creating an html page containing following information:

Name: Md. Ruhul Amin
Institute: Mawlana Bhashani Science and Technology University
Country: Bangladesh
E-mail: hmruhul16.mbstu@gmail.com

```
# cd /var/www/html
```

```
# apt-get install nano
```

```
# nano introduction.html
```

```
wrong@ruhulamin-ict: ~  
File Edit View Search Terminal Help  
Suggested packages:  
  spell  
The following NEW packages will be installed:  
  nano  
0 upgraded, 1 newly installed, 0 to remove and 0 not upgraded.  
Need to get 191 kB of archives.  
After this operation, 700 kB of additional disk space will be used.  
Get:1 http://archive.ubuntu.com/ubuntu xenial-updates/main amd64 nano amd64 2.5.3-2ubuntu2 [191 kB]  
Fetched 191 kB in 1s (115 kB/s)  
perl: warning: Setting locale failed.  
perl: warning: Please check that your locale settings:  
    LANGUAGE = "en_US:en",  
    LC_ALL = (unset),  
    LC_TIME = "bn_BD.UTF-8",  
    LC_MONETARY = "bn_BD.UTF-8",  
    LC_ADDRESS = "bn_BD.UTF-8",  
    LC_TELEPHONE = "bn_BD.UTF-8",  
    LC_NAME = "bn_BD.UTF-8",  
    LC_MEASUREMENT = "bn_BD.UTF-8",  
    LC_IDENTIFICATION = "bn_BD.UTF-8",  
    LC_NUMERIC = "bn_BD.UTF-8",  
    LC_PAPER = "bn_BD.UTF-8",  
    LANG = "en_US.UTF-8"  
are supported and installed on your system.  
perl: warning: Falling back to a fallback locale ("en_US.UTF-8").  
locale: Cannot set LC_ALL to default locale: No such file or directory  
Selecting previously unselected package nano.  
(Reading database ... 16499 files and directories currently installed.)  
Preparing to unpack .../nano_2.5.3-2ubuntu2_amd64.deb ...  
Unpacking nano (2.5.3-2ubuntu2) ...  
Setting up nano (2.5.3-2ubuntu2) ...  
update-alternatives: using /bin/nano to provide /usr/bin/editor (editor) in auto mode  
update-alternatives: using /bin/nano to provide /usr/bin/pico (pico) in auto mode  
root@ruhul:/var/www/html# ls  
root@ruhul:/var/www/html# nano introduction.html  
root@ruhul:/var/www/html# ls  
introduction.html  
root@ruhul:/var/www/html#  
  
wrong@ruhulamin-ict: ~  
File Edit View Search Terminal Help  
GNU nano 2.5.3 File: introduction.html Modified  
  
<html>  
<head>  
  <title>Virtualization and Cloud Computing</title>  
</head>  
<body>  
  <h1>Introduction</h1>  
  <table>  
    <tr>  
      <td><i>Name:</i></td>  
      <td>Md. Ruhul Amin</td>  
    </tr>  
    <tr>  
      <td><i>Institute:</i> </td>  
      <td>Mawlana Bhashani Science and Technology University</td>  
    </tr>  
    <tr>  
      <td><i>Country:</i></td>  
      <td>Bangladesh</td>  
    </tr>  
    <tr>  
      <td><i>E-mail:</i> </td>  
      <td>hmruhul16.mbstu@gmail.com</td>  
    </tr>  
  </table>  
</body>  
</html>  
  
^G Get Help ^O Write Out ^W Where Is ^K Cut Text ^J Justify ^C Cur Pos ^Y Prev Page M-^ First Line M-W WhereIs Next  
^X Exit ^R Read File ^A Replace ^U Uncut Text ^T To Spell ^_ Go To Line ^V Next Page M-^ Last Line M-^ To Bracket
```

4. Installing curl on container-2 (test) and browse container-1's (ruhul) web page using container-1's (ruhul) ip address :

Current status of these two containers:

```
wrong@ruhulamin-ict: ~  
File Edit View Search Terminal Help  
wrong@ruhulamin-ict:~$ sudo lxc-ls --fancy  
[sudo] password for wrong:  
NAME STATE AUTOSTART GROUPS IPV4 IPV6 UNPRIVILEGED  
ruhul RUNNING 0 - 10.0.3.232 - false  
test RUNNING 0 - 10.0.3.8 - false  
wrong@ruhulamin-ict:~$
```

Curl installing on container-2 (test):

apt-get install curl

```
wrong@ruhulamin-ict: ~  
File Edit View Search Terminal Help  
To enable SSH, run: apt install openssh-server  
No default root or user password are set by LXC.  
wrong@ruhulamin-ict:~$ sudo lxc-attach -n test  
root@test:/# apt-get install curl  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
The following NEW packages will be installed:  
  curl  
0 upgraded, 1 newly installed, 0 to remove and 0 not upgraded.  
Need to get 139 kB of archives.  
After this operation, 340 kB of additional disk space will be used.  
Get:1 http://archive.ubuntu.com/ubuntu xenial-updates/main amd64 curl amd64 7.47.0-1ubuntu2.16 [139 kB]  
Fetched 139 kB in 1s (74.2 kB/s)  
perl: warning: Setting locale failed.  
perl: warning: Please check that your locale settings:  
    LANGUAGE = "en_US:en",  
    LC_ALL = (unset),  
    LC_TIME = "bn_BD.UTF-8",  
    LC_MONETARY = "bn_BD.UTF-8",  
    LC_ADDRESS = "bn_BD.UTF-8",  
    LC_TELEPHONE = "bn_BD.UTF-8",  
    LC_NAME = "bn_BD.UTF-8",  
    LC_MEASUREMENT = "bn_BD.UTF-8",  
    LC_IDENTIFICATION = "bn_BD.UTF-8",  
    LC_NUMERIC = "bn_BD.UTF-8",  
    LC_PAPER = "bn_BD.UTF-8",  
    LANG = "en_US.UTF-8"  
are supported and installed on your system.  
perl: warning: Falling back to a fallback locale ("en_US.UTF-8").  
locale: Cannot set LC_ALL to default locale: No such file or directory  
Selecting previously unselected package curl.  
(Reading database ... 13648 files and directories currently installed.)  
Preparing to unpack .../curl_7.47.0-1ubuntu2.16_amd64.deb ...  
Unpacking curl (7.47.0-1ubuntu2.16) ...  
Setting up curl (7.47.0-1ubuntu2.16) ...  
root@test:/# curl www.google.com
```

Curl installed in container-2 (test):

```
wrong@ruhulamin-ict: ~  
File Edit View Search Terminal Help  
root@test:/# curl --version  
curl 7.47.0 (x86_64-pc-linux-gnu) libcurl/7.47.0 GnuTLS/3.4.10 zlib/1.2.8 libidn  
/1.32 librtmp/2.3  
Protocols: dict file ftp ftps gopher http https imap imaps ldap ldaps pop3 pop3s  
rtmp rtsp smb smbs smtp smtps telnet tftp  
Features: AsynchDNS IDN IPv6 Largefile GSS-API Kerberos SPNEGO NTLM NTLM_WB SSL  
libz TLS-SRP UnixSockets  
root@test:/#
```

Web server (apache) active in container-1 (ruhul):

```
wrong@ruhulamin-ict: ~  
File Edit View Search Terminal Help  
wrong@ruhulamin-ict:~$ sudo lxc-attach -n ruhul  
root@ruhul:/# ufw status  
Status: active  
  
To Action From  
--  
Apache ALLOW Anywhere  
Apache (v6) ALLOW Anywhere (v6)  
  
root@ruhul:/#
```


*Browse container-1's (ruhul) web page through container-2 by using curl
container-1's ip address:*

curl 10.0.3.232

```
wrong@ruhulamin-ict: ~  
File Edit View Search Terminal Help  
Protocols: dict file ftp ftps gopher http https imap imaps ldap ldaps pop3 pop3s rtmp rtsp smb smbs smtp smtps telnet tftp  
Features: AsynchDNS IDN IPv6 Largefile GSS-API Kerberos SPNEGO NTLM NTLM_WB SSL libz TLS-SRP UnixSockets  
root@test:/# curl 10.0.3.232  
<html>  
  
<head>  
  <title>Virtualization and Cloud Computing</title>  
</head>  
  
<body>  
  <h1>Introduction</h1>  
  
  <table>  
  
    <tr>  
      <td><i>Name:</i></td>  
      <td>Md. Ruhul Amin</td>  
    </tr>  
    <tr>  
      <td><i>Institute:</i> </td>  
      <td>Mawlana Bhashani Science and Technology University</td>  
    </tr>  
    <tr>  
      <td><i>Country:</i></td>  
      <td>Bangladesh</td>  
    </tr>  
    <tr>  
      <td><i>E-mail:</i> </td>  
      <td>hmruhul16.mbstu@gmail.com</td>  
    </tr>  
  
  </table>  
  
</body>  
  
</html>  
root@test:/#
```