```
assem@Assem:~/Projects/software-architecture$ sudo docker run -it ubuntu:16.04 /bin/bash
[sudo] пароль для assem:
root@b03e326b1087:/# ping google.com
bash: ping: command not found
root@b03e326b1087:/# apt-get update
Get:1 http://archive.ubuntu.com/ubuntu xenial InRelease [247 kB]
Get:2 http://archive.ubuntu.com/ubuntu xenial-updates InRelease [99.8 kB]
Get:3 http://archive.ubuntu.com/ubuntu xenial-backports InRelease [97.4 kB]
Get:4 http://archive.ubuntu.com/ubuntu xenial/main amd64 Packages [1558 kB]
Get:5 http://security.ubuntu.com/ubuntu xenial-security InRelease [99.8 kB]
Get:6 http://archive.ubuntu.com/ubuntu xenial/restricted amd64 Packages [14.1 kB]
Get:7 http://archive.ubuntu.com/ubuntu xenial/universe amd64 Packages [9827 kB]
Get:8 http://security.ubuntu.com/ubuntu xenial-security/main amd64 Packages [2051 kB]
Get:9 http://security.ubuntu.com/ubuntu xenial-security/restricted amd64 Packages [15.9 kB]
Get:10 http://security.ubuntu.com/ubuntu xenial-security/universe amd64 Packages [984 kB]
Get:11 http://archive.ubuntu.com/ubuntu xenial/multiverse amd64 Packages [176 kB]
Get:12 http://archive.ubuntu.com/ubuntu xenial-updates/main amd64 Packages [2560 kB]
Get:13 http://security.ubuntu.com/ubuntu xenial-security/multiverse amd64 Packages [8820 B]
Get:14 http://archive.ubuntu.com/ubuntu xenial-updates/restricted amd64 Packages [16.4 kB]
Get:15 http://archive.ubuntu.com/ubuntu xenial-updates/universe amd64 Packages [1544 kB]
Get:16 http://archive.ubuntu.com/ubuntu xenial-updates/multiverse amd64 Packages [26.2 kB]
Get:17 http://archive.ubuntu.com/ubuntu xenial-backports/main amd64 Packages [10.9 kB]
Get:18 http://archive.ubuntu.com/ubuntu xenial-backports/universe amd64 Packages [12.7 kB]
Fetched 19.3 MB in 57s (336 kB/s)
Reading package lists... Done
root@b03e326b1087:/# apt-get install iputils-ping
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  libffi6 libgmp10 libgnutls-openssl27 libgnutls30 libhogweed4 libidn11 libnettle6 libp11-kit0 libtasn1-6
Suggested packages:
  gnutls-bin
The following NEW packages will be installed:
  iputils-ping libffi6 libgmp10 libgnutls-openssl27 libgnutls30 libhogweed4 libidn11 libnettle6 libp11-kit0 libtasn1-6
0 upgraded, 10 newly installed, 0 to remove and 0 not upgraded.
Need to get 1307 kB of archives.
After this operation, 3785 kB 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 libgmp10 amd64 2:6.1.0+dfsg-2 [240 kB]
Get:2 http://archive.ubuntu.com/ubuntu xenial-updates/main amd64 libnettle6 amd64 3.2-1ubuntu0.16.04.2 [93.7 kB]
Get:3 http://archive.ubuntu.com/ubuntu xenial-updates/main amd64 libhogweed4 amd64 3.2-1ubuntu0.16.04.2 [136 kB]
Get:4 http://archive.ubuntu.com/ubuntu xenial-updates/main amd64 libidn11 amd64 1.32-3ubuntu1.2 [46.5 kB]
Get:5 http://archive.ubuntu.com/ubuntu xenial/main amd64 libffi6 amd64 3.2.1-4 [17.8 kB]
Get:6 http://archive.ubuntu.com/ubuntu xenial-updates/main amd64 libp11-kit0 amd64 0.23.2-5~ubuntu16.04.2 [107 kB]
Get:7 http://archive.ubuntu.com/ubuntu xenial-updates/main amd64 libtasn1-6 amd64 4.7-3ubuntu0.16.04.3 [43.5 kB]
Get:8 http://archive.ubuntu.com/ubuntu xenial-updates/main amd64 libgnutls30 amd64 3.4.10-4ubuntu1.9 [548 kB]
Get:9 http://archive.ubuntu.com/ubuntu xenial-updates/main amd64 libgnutls-openssl27 amd64 3.4.10-4ubuntu1.9 [21.9 kB]
Get:10 http://archive.ubuntu.com/ubuntu xenial/main amd64 iputils-ping amd64 3:20121221-5ubuntu2 [52.7 kB]
Fetched 1307 kB in 4s (319 kB/s)
debconf: delaying package configuration, since apt-utils is not installed
Selecting previously unselected package libgmp10:amd64.
(Reading database ... 4785 files and directories currently installed.)
Preparing to unpack .../libgmp10_2%3a6.1.0+dfsg-2_amd64.deb ...
Unpacking libgmp10:amd64 (2:6.1.0+dfsg-2) ...
Selecting previously unselected package libnettle6:amd64.
Preparing to unpack .../libnettle6_3.2-1ubuntu0.16.04.2_amd64.deb ...
Unpacking libnettle6:amd64 (3.2-1ubuntu0.16.04.2) ...
Selecting previously unselected package libhogweed4:amd64.
Preparing to unpack .../libhogweed4_3.2-1ubuntu0.16.04.2_amd64.deb ...
Unpacking libhogweed4:amd64 (3.2-1ubuntu0.16.04.2) ...
Selecting previously unselected package libidn11:amd64.
Preparing to unpack .../libidn11_1.32-3ubuntu1.2_amd64.deb ...
Unpacking libidn11:amd64 (1.32-3ubuntu1.2) ...
Selecting previously unselected package libffi6:amd64.
Preparing to unpack .../libffi6_3.2.1-4_amd64.deb ...
Unpacking libffi6:amd64 (3.2.1-4) ...
Selecting previously unselected package libp11-kit0:amd64.
Preparing to unpack .../libp11-kit0_0.23.2-5~ubuntu16.04.2_amd64.deb ...
Unpacking libp11-kit0:amd64 (0.23.2-5~ubuntu16.04.2) ...
Selecting previously unselected package libtasn1-6:amd64.
Preparing to unpack .../libtasn1-6_4.7-3ubuntu0.16.04.3_amd64.deb ...
Unpacking libtasn1-6:amd64 (4.7-3ubuntu0.16.04.3) ...
```

```
root@b03e326b1087:/# ping google.com
PING google.com (108.177.14.101) 56(84) bytes of data.
64 bytes from lt-in-f101.1e100.net (108.177.14.101): icmp_seq=1 ttl=96 time=169 ms
64 bytes from lt-in-f101.1e100.net (108.177.14.101): icmp_seq=2 ttl=96 time=185 ms
64 bytes from lt-in-f101.1e100.net (108.177.14.101): icmp_seq=3 ttl=96 time=100 ms
64 bytes from lt-in-f101.1e100.net (108.177.14.101): icmp_seq=4 ttl=96 time=125 ms
64 bytes from lt-in-f101.1e100.net (108.177.14.101): icmp_seq=5 ttl=96 time=255 ms
64 bytes from lt-in-f101.1e100.net (108.177.14.101): icmp_seq=6 ttl=96 time=163 ms
64 bytes from lt-in-f101.1e100.net (108.177.14.101): icmp_seq=7 ttl=96 time=199 ms
64 bytes from lt-in-f101.1e100.net (108.177.14.101): icmp_seq=8 ttl=96 time=222 ms
64 bytes from lt-in-f101.1e100.net (108.177.14.101): icmp_seq=9 ttl=96 time=246 ms
64 bytes from lt-in-f101.1e100.net (108.177.14.101): icmp_seq=10 ttl=96 time=161 ms
64 bytes from lt-in-f101.1e100.net (108.177.14.101): icmp_seq=11 ttl=96 time=190 ms
64 bytes from lt-in-f101.1e100.net (108.177.14.101): icmp_seq=12 ttl=96 time=214 ms
64 bytes from lt-in-f101.1e100.net (108.177.14.101): icmp_seq=13 ttl=96 time=238 ms
64 bytes from lt-in-f101.1e100.net (108.177.14.101): icmp_seq=14 ttl=96 time=159 ms
64 bytes from lt-in-f101.1e100.net (108.177.14.101): icmp_seq=15 ttl=96 time=285 ms
64 bytes from lt-in-f101.1e100.net (108.177.14.101): icmp_seq=16 ttl=96 time=308 ms
64 bytes from lt-in-f101.1e100.net (108.177.14.101): icmp_seq=17 ttl=96 time=127 ms
64 bytes from lt-in-f101.1e100.net (108.177.14.101): icmp_seq=18 ttl=96 time=253 ms
64 bytes from lt-in-f101.1e100.net (108.177.14.101): icmp_seq=19 ttl=96 time=278 ms
64 bytes from lt-in-f101.1e100.net (108.177.14.101): icmp_seq=20 ttl=96 time=97.9 ms
64 bytes from lt-in-f101.1e100.net (108.177.14.101): icmp_seq=21 ttl=96 time=118 ms
64 bytes from lt-in-f101.1e100.net (108.177.14.101): icmp_seq=22 ttl=96 time=245 ms
64 bytes from lt-in-f101.1e100.net (108.177.14.101): icmp_seq=23 ttl=96 time=167 ms
64 bytes from lt-in-f101.1e100.net (108.177.14.101): icmp_seq=24 ttl=96 time=118 ms
64 bytes from lt-in-f101.1e100.net (108.177.14.101): icmp_seq=25 ttl=96 time=214 ms
64 bytes from lt-in-f101.1e100.net (108.177.14.101): icmp_seq=26 ttl=96 time=237 ms
```

```
64 bytes from lt-in-f101.1e100.net (108.177.14.101): icmp_seq=722 ttl=96 time=160 ms
64 bytes from lt-in-f101.1e100.net (108.177.14.101): icmp_seq=723 ttl=96 time=97.5 ms
^C
--- google.com ping statistics ---
723 packets transmitted, 644 received, 10% packet loss, time 724371ms
rtt min/avg/max/mdev = 91.102/154.461/2048.329/110.696 ms, pipe 3
root@b03e326b1087:/# exit
exit
assem@Assem:~/Projects/software-architecture$ sudo docker ps -a
[sudo] пароль для assem:
CONTAINER ID   IMAGE                  COMMAND                  CREATED          STATUS                     PORTS     NAMES
b03e326b1087   ubuntu:16.04           "/bin/bash"              16 minutes ago   Exited (0) 12 seconds ago            suspicious_nobel
316f9a4e0b6a   ubuntu:16.04           "/bin/bash"              43 minutes ago   Exited (0) 42 minutes ago            modest_chaum
df0648418a54   ubuntu:16.04           "/bin/bash"              45 minutes ago   Exited (0) 45 minutes ago            clever_lederberg
ea262e8fb834   ubuntu:16.04           "/bin/echo 'Hello wo…"   46 minutes ago   Exited (0) 46 minutes ago            vigorous_bartik
61ed3465c4ae   invest-strategy_nginx  "nginx -g 'daemon of…"   10 days ago      Exited (0) 9 days ago                invest-strategy_nginx_1
643c4094129d   invest-strategy_php    "docker-php-entrypoi…"   10 days ago      Exited (0) 9 days ago                invest-strategy_php_1
c31fe8b30168   academy-backend_nginx  "nginx -g 'daemon of…"   13 days ago      Exited (0) 12 days ago               academy-backend_nginx_1
06878eadb3da   academy-backend_php    "docker-php-entrypoi…"   13 days ago      Exited (0) 12 days ago               academy-backend_php_1
16a5151f946b   postgres:latest        "docker-entrypoint.s…"   13 days ago      Exited (0) 12 days ago               academy-backend_postgres_1
```