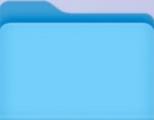


```
piyushdubey — root@faa470a17abf: / — com.docker.cli ▾ docker exec -it c2 bash — 107x32

(base) piyushdubey@Piyush-MacBook-Air ~ % docker run -it --name c1 -d ubuntu
f8b26bc480ff37c567aa25afafcc8491fc65f8b7b866994fbef02217e712c821
(base) piyushdubey@Piyush-MacBook-Air ~ % docker run -it --name c2 --link c1 -d ubuntu
faa470a17abff11ee0c9bd98c7e88fb13545ded921101e83eb1c152cb43a199
(base) piyushdubey@Piyush-MacBook-Air ~ % docker exec -it c2 bash
root@faa470a17abf:/# apt-get update
[Get:1 http://ports.ubuntu.com/ubuntu-ports jammy InRelease [270 kB]
Get:2 http://ports.ubuntu.com/ubuntu-ports jammy-updates InRelease [119 kB]
Get:3 http://ports.ubuntu.com/ubuntu-ports jammy-backports InRelease [107 kB]
Get:4 http://ports.ubuntu.com/ubuntu-ports jammy-security InRelease [110 kB]
Get:5 http://ports.ubuntu.com/ubuntu-ports jammy/main arm64 Packages [1758 kB]
Get:6 http://ports.ubuntu.com/ubuntu-ports jammy/multiverse arm64 Packages [224 kB]
Get:7 http://ports.ubuntu.com/ubuntu-ports jammy/restricted arm64 Packages [24.2 kB]
Get:8 http://ports.ubuntu.com/ubuntu-ports jammy/universe arm64 Packages [17.2 MB]
Get:9 http://ports.ubuntu.com/ubuntu-ports jammy-updates/universe arm64 Packages [975 kB]
Get:10 http://ports.ubuntu.com/ubuntu-ports jammy-updates/multiverse arm64 Packages [5392 B]
Get:11 http://ports.ubuntu.com/ubuntu-ports jammy-updates/restricted arm64 Packages [341 kB]
Get:12 http://ports.ubuntu.com/ubuntu-ports jammy-updates/main arm64 Packages [1033 kB]
Get:13 http://ports.ubuntu.com/ubuntu-ports jammy-backports/universe arm64 Packages [22.4 kB]
Get:14 http://ports.ubuntu.com/ubuntu-ports jammy-backports/main arm64 Packages [49.0 kB]
Get:15 http://ports.ubuntu.com/ubuntu-ports jammy-security/restricted arm64 Packages [328 kB]
Get:16 http://ports.ubuntu.com/ubuntu-ports jammy-security/universe arm64 Packages [742 kB]
Get:17 http://ports.ubuntu.com/ubuntu-ports jammy-security/multiverse arm64 Packages [1421 B]
Get:18 http://ports.ubuntu.com/ubuntu-ports jammy-security/main arm64 Packages [708 kB]
Fetched 24.0 MB in 32s (739 kB/s)
Reading package lists... Done
root@faa470a17abf:/# apt-get install iputils-ping
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  libcap2-bin libpam-cap
```



```
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Fetched 24.0 MB in 32s (739 kB/s)
Reading package lists... Done
root@faa470a17abf:/# apt-get install iutils-ping
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  libcap2-bin libpam-cap
The following NEW packages will be installed:
  iutils-ping libcap2-bin libpam-cap
0 upgraded, 3 newly installed, 0 to remove and 8 not upgraded.
Need to get 76.8 kB of archives.
After this operation, 255 kB of additional disk space will be used.
Do you want to continue? [Y/n] Y
Get:1 http://ports.ubuntu.com/ubuntu-ports jammy/main arm64 libcap2-bin arm64 1:2.44-1build3 [25.5 kB]
Get:2 http://ports.ubuntu.com/ubuntu-ports jammy/main arm64 iutils-ping arm64 3:20211215-1 [43.3 kB]
[Get:3 http://ports.ubuntu.com/ubuntu-ports jammy/main arm64 libpam-cap arm64 1:2.44-1build3 [7956 B]
Fetched 76.8 kB in 2s (49.7 kB/s)
debconf: delaying package configuration, since apt-utils is not installed
Selecting previously unselected package libcap2-bin.
(Reading database ... 4389 files and directories currently installed.)
Preparing to unpack .../libcap2-bin_1%3a2.44-1build3_arm64.deb ...
Unpacking libcap2-bin (1:2.44-1build3) ...
Selecting previously unselected package iutils-ping.
Preparing to unpack .../iutils-ping_3%3a20211215-1_arm64.deb ...
Unpacking iutils-ping (3:20211215-1) ...
Selecting previously unselected package libpam-cap:arm64.
[Preparing to unpack .../libpam-cap_1%3a2.44-1build3_arm64.deb ...
Unpacking libpam-cap:arm64 (1:2.44-1build3) ...
Setting up libcap2-bin (1:2.44-1build3) ...
Setting up libpam-cap:arm64 (1:2.44-1build3) ...
debconf: unable to initialize frontend: Dialog
```

PDx

java terminal

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extras

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```
piyushdubey — root@faa470a17abf: / — com.docker.cli ▾ docker exec -it c2 bash — 107x32

debconf: unable to initialize frontend: Dialog
debconf: (No usable dialog-like program is installed, so the dialog based frontend cannot be used. at /usr/share/perl5/Debconf/FrontEnd/Dialog.pm line 78.)
debconf: falling back to frontend: Readline
debconf: unable to initialize frontend: Readline
debconf: (Can't locate Term/ReadLine.pm in @INC (you may need to install the Term::ReadLine module) (@INC contains: /etc/perl /usr/local/lib/aarch64-linux-gnu/perl/5.34.0 /usr/local/share/perl/5.34.0 /usr/lib/aarch64-linux-gnu/perl5/5.34 /usr/share/perl5 /usr/lib/aarch64-linux-gnu/perl-base /usr/lib/aarch64-linux-gnu/perl/5.34 /usr/share/perl/5.34 /usr/local/lib/site_perl) at /usr/share/perl5/Debconf/FrontEnd/Readline.pm line 7.)
debconf: falling back to frontend: Teletype
Setting up iputils-ping (3:20211215-1) ...
root@faa470a17abf:/# ping c1
PING c1 (172.17.0.2) 56(84) bytes of data.
64 bytes from c1 (172.17.0.2): icmp_seq=1 ttl=64 time=0.966 ms
64 bytes from c1 (172.17.0.2): icmp_seq=2 ttl=64 time=0.054 ms
64 bytes from c1 (172.17.0.2): icmp_seq=3 ttl=64 time=0.220 ms
64 bytes from c1 (172.17.0.2): icmp_seq=4 ttl=64 time=0.227 ms
^C
--- c1 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3050ms
rtt min/avg/max/mdev = 0.054/0.366/0.966/0.352 ms
root@faa470a17abf:/# set
BASH=/usr/bin/bash
BASHOPTS=checkwinsize:cmdhist:complete_fullquote:expand_aliases:extquote:force_fignore:globasciiranges:histappend:hostcomplete:interactive_comments:progcomp:promptvars:sourcepath
BASH_ALIASES=()
BASH_ARGC=([0]="0")
BASH_ARGV=()
BASH_CMDS=()
[BASH_LINENO=()]
BASH_SOURCE=()
```



linode



extras



SWOTxPD.pdf



```
piyushdubey — root@faa470a17abf: / — com.docker.cli ▾ docker exec -it c2 bash — 107x32

^C
--- c1 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3050ms
rtt min/avg/max/mdev = 0.054/0.366/0.966/0.352 ms
root@faa470a17abf:/# set
BASH=/usr/bin/bash
BASHOPTS=checkwinsize:cmdhist:complete_fullquote:expand_aliases:extquote:force_fignore:globasciiranges:histappend:hostcomplete:interactive_comments:progcomp:promptvars:sourcepath
BASH_ALIASES=()
BASH_ARGC=( [0]=""0"")
BASH_ARGV=()
BASH_CMDS=()
[BASH_LINENO=()
BASH_SOURCE=()
BASH_VERSINFO=( [0]=""5" [1]=""1" [2]=""16" [3]=""1" [4]=""release" [5]=""aarch64-unknown-linux-gnu"")
BASH_VERSION='5.1.16(1)-release'
C1_NAME=/c2/c1
COLUMNS=80
DIRSTACK=()
EUID=0
GROUPS=()
HISTCONTROL=ignoredups:ignorespace
[HISTFILE=/root/.bash_history
HISTFILESIZE=2000
HISTSIZE=1000
HOME=/root
HOSTNAME=faa470a17abf
HOSTTYPE=aarch64
IFS=$' \t\n'
LINES=24
LS_COLORS='rs=0:di=01;34:ln=01;36:mh=00:pi=40;33:so=01;35:do=01;35:bd=40;33;01:cd=40;33;01:or=40;31;01:mi=0
0:su=37;41:sg=30;43:ca=30;41:tw=30;42:ow=34;42:st=37;44:ex=01;32:*.tar=01;31:*.tgz=01;31:*.arc=01;31:*.arj=
```

PDx

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```
piyushdubey — root@faa470a17abf: / — com.docker.cli ▾ docker exec -it c2 bash — 107x32

LINES=24
LS_COLORS='rs=0:di=01;34:ln=01;36:mh=00:pi=40;33:so=01;35:do=01;35:bd=40;33:01:cd=40;33;01:or=40;31;01:mi=0
0:su=37;41:sg=30;43:ca=30;41:tw=30;42:ow=34;42:st=37;44:ex=01;32:*.tar=01;31:*.tgz=01;31:*.arc=01;31:*.arj=
01;31:*.taz=01;31:*.lha=01;31:*.lz4=01;31:*.lzh=01;31:*.lzma=01;31:*.tlz=01;31:*.txz=01;31:*.tzo=01;31:*.t7z=
01;31:*.zip=01;31:*.z=01;31:*.dz=01;31:*.gz=01;31:*.lrz=01;31:*.lz=01;31:*.lzo=01;31:*.xz=01;31:*.zst=01;
31:*.tzst=01;31:*.bz2=01;31:*.bz=01;31:*.tbz=01;31:*.tbz2=01;31:*.tz=01;31:*.deb=01;31:*.rpm=01;31:*.jar=01
;31:*.war=01;31:*.ear=01;31:*.sar=01;31:*.rar=01;31:*.alz=01;31:*.ace=01;31:*.zoo=01;31:*.cpio=01;31:*.7z=0
1;31:*.rz=01;31:*.cab=01;31:*.wim=01;31:*.swm=01;31:*.dwm=01;31:*.esd=01;31:*.jpg=01;35:*.jpeg=01;35:*.mjpg
=01;35:*.mjpeg=01;35:*.gif=01;35:*.bmp=01;35:*.pbm=01;35:*.pgm=01;35:*.ppm=01;35:*.tga=01;35:*.xbm=01;35:*
.xpm=01;35:*.tif=01;35:*.tiff=01;35:*.png=01;35:*.svg=01;35:*.svgz=01;35:*.mng=01;35:*.pcx=01;35:*.mov=01;35
:*.mpg=01;35:*.mpeg=01;35:*.m2v=01;35:*.mkv=01;35:*.webm=01;35:*.webp=01;35:*.ogm=01;35:*.mp4=01;35:*.m4v=0
1;35:*.mp4v=01;35:*.vob=01;35:*.qt=01;35:*.nuv=01;35:*.wmv=01;35:*.ASF=01;35:*.rm=01;35:*.rmvb=01;35:*.flc=
01;35:*.avi=01;35:*.fli=01;35:*.flv=01;35:*.gl=01;35:*.dl=01;35:*.xcf=01;35:*.xwd=01;35:*.yuv=01;35:*.cgm=0
1;35:*.emf=01;35:*.ogv=01;35:*.ogx=01;35:*.aac=00;36:*.au=00;36:*.flac=00;36:*.m4a=00;36:*.mid=00;36:*.midi
=00;36:*.mka=00;36:*.mp3=00;36:*.mpc=00;36:*.ogg=00;36:*.ra=00;36:*.wav=00;36:*.oga=00;36:*.opus=00;36:*.sp
x=00;36:*.xspf=00;36:*
MACHTYPE=aarch64-unknown-linux-gnu
MAILCHECK=60
OPTERR=1
OPTIND=1
OSTYPE=linux-gnu
PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin
PIPESTATUS=( [0]=""0"")
PPID=0
PS1='\[ \e[0;\u@\h: \w\]${debian_chroot:+($debian_chroot)}\u@\h:\w\$ '
PS2='> '
PS4='+' '
PWD=/
SHELL=/bin/bash
SHLLOPTS=braceexpand:emacs:hashall:histexpand:history:interactive-comments:monitor
SHLVL=1
TERM=xterm
```

```
piyushdubey — root@faa470a17abf: / — com.docker.cli ▾ docker exec -it c2 bash — 107x32

PWD=/
SHELL=/bin/bash
SHELLOPTS=braceexpand:emacs:hashall:histexpand:history:interactive-comments:monitor
SHLVL=1
TERM=xterm
UID=0
_=c1
root@faa470a17abf:/# env
HOSTNAME=faa470a17abf
C1_NAME=/c2/c1
PWD=/
HOME=/root
LS_COLORS=rs=0:di=01;34:ln=01;36:mh=00:pi=40;33:so=01;35:do=01;35:bd=40;33:01:cd=40;33:01:or=40;31:01:mi=00
:su=37;41:sg=30;43:ca=30;41:tw=30;42:ow=34;42:st=37;44:ex=01;32:*.tar=01;31:*.tgz=01;31:*.arc=01;31:*.arj=0
1;31:*.taz=01;31:*.lha=01;31:*.lz4=01;31:*.lzh=01;31:*.lzma=01;31:*.tlz=01;31:*.txz=01;31:*.tzo=01;31:*.t7z
=01;31:*.zip=01;31:*.z=01;31:*.dz=01;31:*.gz=01;31:*.lrz=01;31:*.lz=01;31:*.lzo=01;31:*.xz=01;31:*.zst=01;3
1:*.tzst=01;31:*.bz=01;31:*.tbz=01;31:*.tbz2=01;31:*.tz=01;31:*.deb=01;31:*.rpm=01;31:*.jar=01;
31:*.war=01;31:*.ear=01;31:*.sar=01;31:*.rar=01;31:*.elz=01;31:*.ace=01;31:*.zoo=01;31:*.cpio=01;31:*.7z=01
;31:*.rz=01;31:*.cab=01;31:*.wim=01;31:*.swm=01;31:*.dwm=01;31:*.esd=01;31:*.jpg=01;35:*.jpeg=01;35:*.mjpg=
01;35:*.mjpeg=01;35:*.gif=01;35:*.bmp=01;35:*.pbm=01;35:*.pgm=01;35:*.ppm=01;35:*.tga=01;35:*.xbm=01;35:*.x
pm=01;35:*.tif=01;35:*.tiff=01;35:*.png=01;35:*.svg=01;35:*.svgz=01;35:*.mng=01;35:*.pcx=01;35:*.mov=01;35:
*.mpg=01;35:*.mpeg=01;35:*.m2v=01;35:*.mkv=01;35:*.webm=01;35:*.webp=01;35:*.ogm=01;35:*.mp4=01;35:*.m4v=01
;35:*.mp4v=01;35:*.vob=01;35:*.qt=01;35:*.nuv=01;35:*.wmv=01;35:*.ASF=01;35:*.rm=01;35:*.rmvb=01;35:*.flc=0
1;35:*.avi=01;35:*.fli=01;35:*.flv=01;35:*.gl=01;35:*.dl=01;35:*.xcf=01;35:*.xwd=01;35:*.yuv=01;35:*.cgm=01
;35:*.emf=01;35:*.ogv=01;35:*.ogx=01;35:*.aac=00;36:*.au=00;36:*.flac=00;36:*.m4a=00;36:*.mid=00;36:*.midi=
00;36:*.mka=00;36:*.mp3=00;36:*.mpc=00;36:*.ogg=00;36:*.ra=00;36:*.wav=00;36:*.oga=00;36:*.opus=00;36:*.spx
=00;36:*.xspf=00;36:
TERM=xterm
SHLVL=1
PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin
_= /usr/bin/env
root@faa470a17abf:/# |
```

