

Practica 11: Gestión de alertas con Telegram

B2) Ping a google

The screenshot shows a Telegram chat interface on the right and a terminal window on the left. The chat is with a bot named 'Artema'. The bot has sent a message: 'bPING www.google.es (216.58.215.131) 56(84) bytes of data. \n64 bytes from mad41s04-in-f3.1e100.net (216.58.215.131): icmp_seq=1 ttl=117 time=13.3 ms\n\n--- www.google.es ping statistics ---\n1 packets transmitted, 1 received, 0% packet loss, time 0ms\nrtt min/avg/max/mdev = 13.292/13.292/13.292/0.000 ms'. The terminal window shows the execution of a Python script that sends a ping to www.google.es and displays the results.

```

await update.message.reply_text(fun_ping())
File "bot.py", line 13, in fun_ping
res = command.run(['ping', '-c', '1', 'www.google.es'])
File "/home/rapsodia/Escritorio/teleg/env/lib/python3.8/site-packages/command/
core.py", line 280, in run
return Command.run(command, timeout=timeout, cwd=cwd, env=env, debug=debug)
File "/home/rapsodia/Escritorio/teleg/env/lib/python3.8/site-packages/command/
core.py", line 158, in run
raise CommandException("command ('%s') exited with value: %s\n\n%s"
command.core.CommandException: 'command ('ping -c 1www.google.es') exited with
value: 1\n\nping: invalid argument: '1www.google.es'
^Z
[2]+ Detenido python3 bot.py
(env) (base) rapsodia@rapsodia-GL65-95EK:~/Escritorio/teleg$ python3 bot.py
bot.py:27: RuntimeWarning: coroutine 'Message.reply_text' was never awaited
update.message.reply_text('Hacemos ping!')
RuntimeWarning: Enable tracemalloc to get the object allocation traceback
b'PING www.google.es (216.58.215.131) 56(84) bytes of data.\n64 bytes from mad41
s04-in-f3.1e100.net (216.58.215.131): icmp_seq=1 ttl=117 time=13.3 ms\n\n--- www
.google.es ping statistics ---\n1 packets transmitted, 1 received, 0% packet los
s, time 0ms\nrtt min/avg/max/mdev = 13.292/13.292/13.292/0.000 ms'
^Z
[3]+ Detenido python3 bot.py
(env) (base) rapsodia@rapsodia-GL65-95EK:~/Escritorio/teleg$

```

B.3) Ping, si tarda más de 10 segundos, salta un error por Timeout

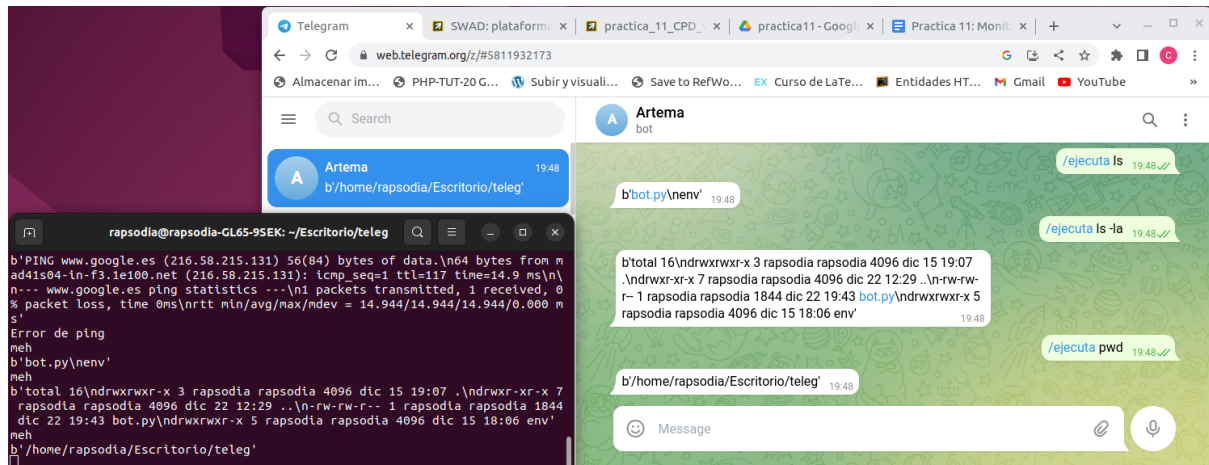
The screenshot shows a Telegram chat interface on the right and a terminal window on the left. The chat is with a bot named 'Artema'. The bot has sent a message: 'bPING www.google.es (216.58.215.131) 56(84) bytes of data. \n64 bytes from mad41s04-in-f3.1e100.net (216.58.215.131): icmp_seq=1 ttl=117 time=14.9 ms\n\n--- www.google.es ping statistics ---\n1 packets transmitted, 1 received, 0% packet loss, time 0ms\nrtt min/avg/max/mdev = 14.944/14.944/14.944/0.000 ms'. The terminal window shows the execution of a Python script that sends a ping to www.google.es and displays the results. The ping result shows a time of 14.9 ms, which is more than 10 seconds, causing a timeout error.

```

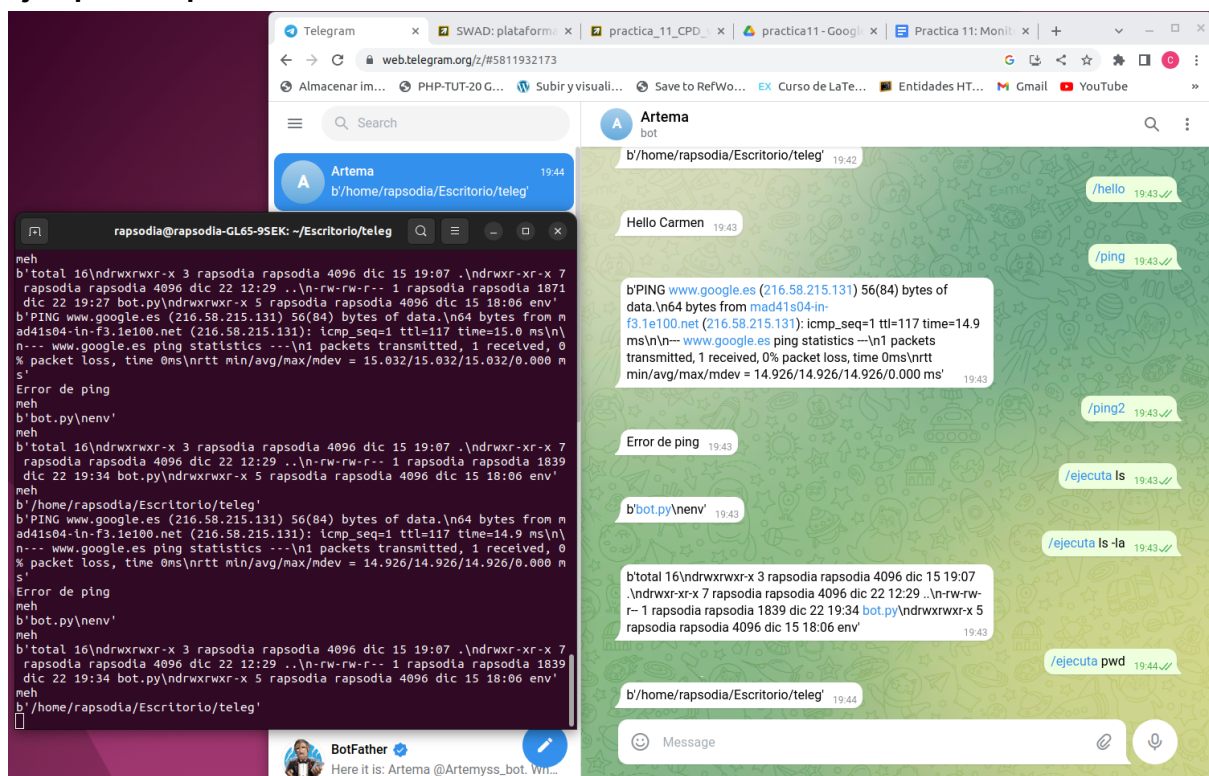
meh
b'total 16\ndrwxrwxr-x 3 rapsodia rapsodia 4096 dic 15 19:07 .\ndrwxr-xr-x 7
rapsodia rapsodia 4096 dic 22 12:29 ..\n-rw-rw-r-- 1 rapsodia rapsodia 1839
dic 22 19:34 bot.py\ndrwxrwxr-x 5 rapsodia rapsodia 4096 dic 15 18:06 env'
meh
b' /home/rapsodia/Escritorio/teleg'
Error de ping
b'PING www.google.es (216.58.215.131) 56(84) bytes of data.\n64 bytes from m
ad41s04-in-f3.1e100.net (216.58.215.131): icmp_seq=1 ttl=117 time=14.9 ms\n\n
n--- www.google.es ping statistics ---\n1 packets transmitted, 1 received, 0
% packet loss, time 0ms\nrtt min/avg/max/mdev = 14.944/14.944/14.944/0.000 m
s'
Error de ping

```

B.4) Ejecutamos /orden comando y el bot hace una llamada a la Shel, devolviendo por telegram la respuesta



Ejemplo completo



Código

```
bot.py 3 • ejercicio2.c • maestro.c •
home > rapsodia > Escritorio > teleg > bot.py > ...

11
12 #B2
13 def fun_ping():
14
15     res = command.run(['ping', '-c', '1', '-w', '10', 'www.google.es'])
16     print(res.output)
17     return str(res.output)
18
19 #B3
20 def fun2_ping():
21
22     while True:
23         try:
24             #res = fun_ping()
25             res = command.run(['ping', '-c', '1', '-w', '6', '192.168.0.0'])
26
27             time.sleep(3)
28         except:
29             msj = "Error de ping"
30             print(msj)
31             return msj
32
33 #B4
34 def fun3_ejecuta(args):
35
36     res = command.run(args)
37     print(res.output)
38
39     return str(res.output)
40
41
```

```
bot.py 3 •
home > rapsodia > Escritorio > teleg > bot.py > ...

42
43 async def hello(update: Update, context: ContextTypes.DEFAULT_TYPE) -> None:
44     await update.message.reply_text(f'Hello {update.effective_user.first_name}')
45
46
47 async def resp_ls(update: Update, context: ContextTypes.DEFAULT_TYPE) -> None:
48     await update.message.reply_text(ejecuta_w())
49
50 async def ping(update: Update, context: ContextTypes.DEFAULT_TYPE) -> None:
51     await update.message.reply_text(fun_ping())
52
53 async def ping2(update: Update, context: ContextTypes.DEFAULT_TYPE) -> None:
54     await update.message.reply_text(fun2_ping())
55
56 async def ejecuta(update: Update, context: ContextTypes.DEFAULT_TYPE) -> None:
57     await update.message.reply_text(fun3_ejecuta(context.args))
58
59
60
61 app = ApplicationBuilder().token("5811932173:AAEYSW1jxsC9fw9w9d5umdHLqQm-Xm4nznv0").build()
62
63 app.add_handler(CommandHandler("hello", hello ))
64 app.add_handler(CommandHandler("ls", resp_ls))
65 app.add_handler(CommandHandler("ping", ping))
66 app.add_handler(CommandHandler("ping2", ping2))
67 app.add_handler(CommandHandler("ejecuta", ejecuta))
68
69
70 app.run_polling()
71
```