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## AttributeError: \_\_exit\_\_ with socketserver on python-3.4.3

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I have two systems

1. A Mac system running python 3.6.3
2. A linux (ubuntu 14.04) sytem running python 3.4.3

I've been testing the following code segment on both systems to try and identify the cause of a bug on the ubuntu system.

```
import urllib.request
import http.server
import socketserver
PORT = 8000

def requestHandler(request, client_address,server):
    # test to print to console when the handler is invoked.
    print("Request = " + str(request) + " Client Address = " + str(client_address) + "
Server = " + str(server))

def startWebServer():
    Handler = requestHandler
    with socketserver.TCPServer(("", PORT), Handler) as httpd:
        print("serving at port", PORT)
        httpd.serve_forever()

def main():
    startWebServer()

main()
```

On the Mac this works as expected, invoking the requestHandler and printing information to the console.

However, on the ubuntu system I receive the following error.

```
Traceback (most recent call last):
  File "sockettest.py", line 19, in <module>
    main()
  File "sockettest.py", line 17, in main
    startWebServer()
  File "sockettest.py", line 12, in startWebServer
    with socketserver.TCPServer(("", PORT), Handler) as httpd:
AttributeError: __exit__
```

I am suspecting that I have misconfigured the ubuntu python installation.

Could you suggest what I might have done wrong?

[python](#) [python-3.x](#)

asked Jan 2 at 5:14



Simon

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## 1 Answer

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`socketserver` servers don't support use as context managers before Python 3.6. Quoting the [docs](#):

Changed in version 3.6: Support for the context manager protocol was added. Exiting the context manager is equivalent to calling `server_close()`.

In the future, if different Python versions are behaving differently, you should check the docs to look for documented version differences.

answered Jan 2 at 5:41



user2357112

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