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Thread: [Sending Image through Socket Programming](#)

Vishnu™ - May 4, 2018, 12:21 pm

I am taking screenshot using ImageGrab from PIL library and want to send same from server to client.

I am able to send messages bidirectionally. but can't figure out sending objects or anything other than messages

Server Code :

```
Code import socket
import cv2
from PIL import ImageGrab
mysocket = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
mysocket.bind(("xx.xx.xx.xx",6666))
mysocket.listen(5)
(client, (ip, port)) = mysocket.accept()
image = ImageGrab.grab()
msg = "test"
client.send(msg.encode())
#
#
#
```

Client Code:

```
Code import socket
import cv2

mysocket = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
mysocket.connect(("xx.xx.xx.xx",6666))
data = mysocket.recv(1024)
print(data)
If you can, please replace code with image i am trying to send
Thanks ?
```

JahBless - May 5, 2018, 12:41 pm

Try something like this (sorry, i dont have time to replace into your code):

```
Code From PIL import ImageGrab
import numpy as np
```

```
printscreen = ImageGrab.grab(bbox=(0, 0, 800, 600))
printscreen_np = np.array(printscreen.getData(), dtype='uint8')This would take the pixels and puts
them in an array
( see python GTA AI tutorial: https://www.youtube.com/watch?v=ks4MPfMq8aQ )
```

w33dt4k3r - May 5, 2018, 2:08 pm

The best method i think is to convert the img to a string.

After this u can use base64 to compress the string and send it.

.kr. - May 5, 2018, 3:05 pm

Read this post on Stackoverflow.com

<https://stackoverflow.com/questions/42459499/what-is-the-proper-way-of-sending-a-large-amount-of-data-over-sockets-in-python>

Blackshield_real - May 6, 2018, 2:15 am

Hi , I need some help in socket programming as well, could anyone here tell me how can I make something like a client querying data from the server (maybe a dictionary storing stock and their prices) send data from server to the client (according to the request like stock first and then prices maybe price of multiple stocks at a time). Can I also make the data look in a tabular form as well on the client end?

I'm at the point where I have done simple client-server code did played with a dictionary and tried sending it over to the client but comes as a single vertical line not in a tabular form, is this even possible? I'm fairly new to python so..

please Guide me through some references if possible.