

```
ubuntu@ip-172-31-19-141:~$ docker network create newnet
189c781b792ba6dc24e36ee5f8a47ef7344165355721048c4fa07e17d39b619
ubuntu@ip-172-31-19-141:~$ docker inspect newnet
[
  {
    "Name": "newnet",
    "Id": "189c781b792ba6dc24e36ee5f8a47ef7344165355721048c4fa07e17d39b619",
    "Created": "2024-04-04T16:41:30.180730945Z",
    "Scope": "local",
    "Driver": "bridge",
    "EnableIPv6": false,
    "IPAM": {
      "Driver": "default",
      "Options": {},
      "Config": [
        {
          "Subnet": "172.18.0.0/16",
          "Gateway": "172.18.0.1"
        }
      ]
    },
    "Internal": false,
    "Attachable": false,
    "Ingress": false,
    "ConfigFrom": {}
  }
]
```

i-03913d15c3062d63e (server)
PublicIPs: 54.206.96.164 PrivateIPs: 172.31.19.141

1.created a network in docker as newnet

```
}
ubuntu@ip-172-31-19-141:~$ docker run --name ng4 --network newnet --restart always nginx
docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configurati
docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/
docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-default.sh
```

2.created a container named ng4 in newnet network

```
ubuntu@ip-172-31-19-141:~$ docker run --name ng5 --network newnet --restart always nginx
/docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configura
```

3. created a container named ng5 in newnet network

```
2024/04/04 16:45:06 [notice] 1#1: exit
ubuntu@ip-172-31-19-141:~$ docker exec -it ng4 /bin/bash
root@ef4fae2c856a:/# curl ng5
<!DOCTYPE html>
```

4.getting into the ng4 container and curl to ng5 to check the communication

```
root@ef4fae2c856a:/# ping ng5
PING ng5 (172.18.0.3) 56(84) bytes of data.
64 bytes from ng5.newnet (172.18.0.3): icmp_seq=1 ttl=64 time=0.069 m
64 bytes from ng5.newnet (172.18.0.3): icmp_seq=2 ttl=64 time=0.067 m
64 bytes from ng5.newnet (172.18.0.3): icmp_seq=3 ttl=64 time=0.069 m
64 bytes from ng5.newnet (172.18.0.3): icmp_seq=4 ttl=64 time=0.070 m
64 bytes from ng5.newnet (172.18.0.3): icmp_seq=5 ttl=64 time=0.072 m
64 bytes from ng5.newnet (172.18.0.3): icmp_seq=6 ttl=64 time=0.081 m
64 bytes from ng5.newnet (172.18.0.3): icmp_seq=7 ttl=64 time=0.069 m
```

5. pinged ng5 container from ng4 to check the connection