

`docker run --cpu-shares=256`

Figura 1: Especifica quanto de cpu o contêiner irá consumir

`docker run memory=1g`

Figura 2: Especifica a quantidade de consumo de memória

```
faofernando@war-machine:~$ docker inspect 213e31084aeb
[
  {
    "Id": "213e31084aeb0a4a782685e99e3a4ac25fcf0ba6c3907403814dd55a90d1c229",
    "Created": "2022-08-14T15:36:04.264715371Z",
    "Path": "/bin/bash",
    "Args": [
      "-c",
      "ping 8.8.8.8"
    ],
    "State": {
      "Status": "running",
      "Running": true,
      "Paused": false,
      "Restarting": false,
      "OOMKilled": false,
      "Dead": false,
      "Pid": 10981,
      "ExitCode": 0,
      "Error": "",
      "StartedAt": "2022-08-14T15:36:05.166709467Z",
      "FinishedAt": "0001-01-01T00:00:00Z"
    },
    "Image": "sha256:eeb6ee3f44bd0b5103bb561b4c16bcb82328cfe5809ab675bb17ab3a16c517c9",
    "ResolveConfPath": "/var/lib/docker/containers/213e31084aeb0a4a782685e99e3a4ac25fcf0ba6c3907403814dd55a90d1c229/resolve.conf",
    "HostnamePath": "/var/lib/docker/containers/213e31084aeb0a4a782685e99e3a4ac25fcf0ba6c3907403814dd55a90d1c229/hostname",
    "HostsPath": "/var/lib/docker/containers/213e31084aeb0a4a782685e99e3a4ac25fcf0ba6c3907403814dd55a90d1c229/hosts",
    "LogPath": "/var/lib/docker/containers/213e31084aeb0a4a782685e99e3a4ac25fcf0ba6c3907403814dd55a90d1c229/213e31084aeb0a4a782685e99e3a4ac25fcf0ba6c3907403814dd55a90d1c229-json.log",
    "Name": "/zealous_kowalevski",
    "RestartCount": 0,
    "Driver": "overlay2",
    "Platform": "linux",
    "MountLabel": "",
    "ProcessLabel": "",
    "AppArmorProfile": "docker-default",
    "ExecIDs": null,
    "HostConfig": {
      "Binds": null,
      "ContainerIDFile": "",
      "CPUShares": 256,
      "CPUSet": null,
      "DeviceMappings": null,
      "Dns": null,
      "DnsOptions": null,
      "DnsSearch": null,
      "ExtraHosts": null,
      "ImageVolumeMounts": null,
      "IpcMode": "private",
      "Isolation": "default",
      "LogConfig": {
        "Type": "json-file",
        "Config": {}
      },
      "Memory": 1073741824,
      "MemoryReservation": 0,
      "MemorySwap": 0,
      "Mounts": null,
      "NetworkMode": "bridge",
      "OomScoreAdj": 0,
      "Pidfile": "",
      "PortMappings": null,
      "Privileged": false,
      "ReadOnlyRootFS": false,
      "SecurityOpt": null,
      "StorageOpt": null,
      "Tmpfs": null,
      "Ulimits": null,
      "UserModeGroups": null,
      "UserModeKernelNamespaces": null,
      "Userns": "default",
      "Volumes": null,
      "VolumesFrom": null,
      "WorkingContainer": ""
    }
  }
]
```

Figura 3: Inspecciona o contêiner, exibindo informações importantes

```
faofernando@war-machine:~$ docker logs zealous_kowalevski
PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.
64 bytes from 8.8.8.8: icmp_seq=1 ttl=56 time=9.93 ms
64 bytes from 8.8.8.8: icmp_seq=2 ttl=56 time=12.7 ms
64 bytes from 8.8.8.8: icmp_seq=3 ttl=56 time=10.1 ms
64 bytes from 8.8.8.8: icmp_seq=4 ttl=56 time=9.67 ms
64 bytes from 8.8.8.8: icmp_seq=5 ttl=56 time=8.23 ms
64 bytes from 8.8.8.8: icmp_seq=6 ttl=56 time=6.85 ms
64 bytes from 8.8.8.8: icmp_seq=7 ttl=56 time=13.0 ms
64 bytes from 8.8.8.8: icmp_seq=8 ttl=56 time=8.01 ms
64 bytes from 8.8.8.8: icmp_seq=9 ttl=56 time=7.72 ms
64 bytes from 8.8.8.8: icmp_seq=10 ttl=56 time=7.80 ms
64 bytes from 8.8.8.8: icmp_seq=11 ttl=56 time=11.2 ms
64 bytes from 8.8.8.8: icmp_seq=12 ttl=56 time=12.2 ms
64 bytes from 8.8.8.8: icmp_seq=13 ttl=56 time=12.0 ms
64 bytes from 8.8.8.8: icmp_seq=14 ttl=56 time=10.7 ms
64 bytes from 8.8.8.8: icmp_seq=15 ttl=56 time=9.04 ms
64 bytes from 8.8.8.8: icmp_seq=16 ttl=56 time=9.46 ms
64 bytes from 8.8.8.8: icmp_seq=17 ttl=56 time=7.43 ms
64 bytes from 8.8.8.8: icmp_seq=18 ttl=56 time=6.67 ms
64 bytes from 8.8.8.8: icmp_seq=19 ttl=56 time=8.45 ms
64 bytes from 8.8.8.8: icmp_seq=20 ttl=56 time=10.1 ms
64 bytes from 8.8.8.8: icmp_seq=21 ttl=56 time=10.2 ms
64 bytes from 8.8.8.8: icmp_seq=22 ttl=56 time=10.5 ms
64 bytes from 8.8.8.8: icmp_seq=23 ttl=56 time=12.9 ms
64 bytes from 8.8.8.8: icmp_seq=24 ttl=56 time=12.8 ms
64 bytes from 8.8.8.8: icmp_seq=25 ttl=56 time=7.01 ms
64 bytes from 8.8.8.8: icmp_seq=26 ttl=56 time=9.39 ms
64 bytes from 8.8.8.8: icmp_seq=27 ttl=56 time=7.97 ms
64 bytes from 8.8.8.8: icmp_seq=28 ttl=56 time=36.8 ms
64 bytes from 8.8.8.8: icmp_seq=29 ttl=56 time=12.9 ms
64 bytes from 8.8.8.8: icmp_seq=30 ttl=56 time=9.90 ms
64 bytes from 8.8.8.8: icmp_seq=31 ttl=56 time=11.9 ms
64 bytes from 8.8.8.8: icmp_seq=32 ttl=56 time=10.1 ms
64 bytes from 8.8.8.8: icmp_seq=33 ttl=56 time=8.70 ms
64 bytes from 8.8.8.8: icmp_seq=34 ttl=56 time=10.1 ms
```

Figura 4: Exibe os logs do contêiner

```

faofernando@war-machine:~$ docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS        NAMES
213e31084aeb   centos:7  "/bin/bash -c 'ping ..."  5 minutes ago  Up 5 minutes  zealous_kowalevski
faofernando@war-machine:~$ docker attach 213e31084aeb
64 bytes from 8.8.8.8: icmp_seq=319 ttl=56 time=7.20 ms
64 bytes from 8.8.8.8: icmp_seq=320 ttl=56 time=9.47 ms
64 bytes from 8.8.8.8: icmp_seq=321 ttl=56 time=9.27 ms
64 bytes from 8.8.8.8: icmp_seq=322 ttl=56 time=9.67 ms
64 bytes from 8.8.8.8: icmp_seq=323 ttl=56 time=10.8 ms
64 bytes from 8.8.8.8: icmp_seq=324 ttl=56 time=12.1 ms
64 bytes from 8.8.8.8: icmp_seq=325 ttl=56 time=10.2 ms
64 bytes from 8.8.8.8: icmp_seq=326 ttl=56 time=7.96 ms
64 bytes from 8.8.8.8: icmp_seq=327 ttl=56 time=6.75 ms
64 bytes from 8.8.8.8: icmp_seq=328 ttl=56 time=8.92 ms
64 bytes from 8.8.8.8: icmp_seq=329 ttl=56 time=10.1 ms
64 bytes from 8.8.8.8: icmp_seq=330 ttl=56 time=24.1 ms
64 bytes from 8.8.8.8: icmp_seq=331 ttl=56 time=11.3 ms
64 bytes from 8.8.8.8: icmp_seq=332 ttl=56 time=12.5 ms
64 bytes from 8.8.8.8: icmp_seq=333 ttl=56 time=10.2 ms
^C
--- 8.8.8.8 ping statistics ---
333 packets transmitted, 333 received, 0% packet loss, time 332493ms
rtt min/avg/max/mdev = 6.178/11.394/181.392/11.538 ms
faofernando@war-machine:~$ docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS        NAMES
faofernando@war-machine:~$ docker ps -a
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS        NAMES
213e31084aeb   centos:7  "/bin/bash -c 'ping ..."  5 minutes ago  Exited (0) 10 seconds ago  zealous_kowalevski
c8ae7ca61e95   mysql/mysql-server:8.0.26  "/entrypoint.sh mysql..."  16 hours ago  Created  mudri
701e9e05db01   centos    "/bin/bash -c 'ping ..."  30 hours ago  Exited (0) 30 hours ago  hopeful_dijkstra
054226387e62   centos    "/bin/bash -c 'ping ..."  30 hours ago  Exited (2) 30 hours ago  gracious_lovelace
ce2397d3c387   ubuntu    "/bin/bash -c 'echo ..."  2 days ago    Exited (0) 2 days ago    great_montalcini
d9da13c5f7fc   fedora    "/bin/bash"               3 days ago    Exited (137) 2 days ago    wizardly_feynman

```

Figura 5: O docker attach "entra" dentro do contêiner, ao cancelar o processo que está sendo executado, o contêiner deixa de existir