

_Docker Daemon

These configs have stumped me one too many times.

Issue: Why is my docker host having trouble resolving DNS?

After enabling pi-hole or other dockerized DNS management app, lack of (systemd-resolved e.t.c. means that DNS is not available on a local level prior to docker to so much as pull pi-hole. (wonderful chick needs to lay its own egg scenario) A great solution I found to this issue is to set the DNS for docker explicitly.

Issue: Why aren't the nvidia drivers workable on my system.

Gotta love the oversight, better remember to request gpu here as well as in the compose. 🐛🐛🐛

Issue: After creating about 40 stacks / docker containers ... I can no longer create new ones with unique ips...

As seen below we need to set/allow additional ranges of IP addresses for docker to use in addition to those available by default. You can use something like below or adjust to a set of IPs not taken elsewhere on your network.

```
{
  "runtimes": {
    "nvidia": {
      "args": [],
      "path": "nvidia-container-runtime"
    }
  },

  "default-address-pools" : [
    {
      "base" : "172.50.0.0/12",
      "size" : 20
    },
    {
      "base" : "192.168.30.0/16",
      "size" : 24
    }
  ],
  "dns": ["<pihole#1>", "<pihole#2>", "1.1.1.1", "8.8.8.8"]
}
```

Note:

Later when I describe how to setup pihole remind me to note that we need to turn off that below and update the dns for docker.

Pi-Hole

```
sudo systemctl stop systemd-resolved
```

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