

Podman DNS

podman 默认使用 cni 网络 , 但是 DNS 服务 默认 使用 的 是 DNS 服务 .

1. docker 使用 dns 服务

```
$> docker exec -it awx_task ping redis
PING redis (172.18.0.5) 56(84) bytes of data.
64 bytes from awx_redis.awxcompose_default (172.18.0.5): icmp_seq=1 ttl=64 time=0.240 ms
64 bytes from awx_redis.awxcompose_default (172.18.0.5): icmp_seq=2 ttl=64 time=0.090 ms
64 bytes from awx_redis.awxcompose_default (172.18.0.5): icmp_seq=3 ttl=64 time=0.074 ms
^C
--- redis ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 3ms
rtt min/avg/max/mdev = 0.074/0.134/0.240/0.075 ms
```

2. podman 使用 dns 服务

```
$ podman exec -it awx_task ping redis
ping: redis: Name or service not known
```



1. cni 使用 dns 服务

2. dns 服务

```
$> yum install dnsmasq podman-plugins -y
```

3. NetworkManager dns 服务

```
$> vi /etc/NetworkManager/NetworkManager.conf
...
[main]
dns=dnsmasq
```

...

4. NetworkManager `dnsname` `type` `backend` `capabilities`

```
$> ls -l /usr/libexec/cni/
-rwxr-xr-x 1 root root 3980624 2020 09:00 dnsname
...
```

5. `cni` `dnsname` `type` `capabilities`

```
$> vi /etc/cni/net.d/awxcompose_default.conflist
...
{
  "type": "firewall",
  "backend": ""
},
{
  "type": "tuning"
},
{
  "type": "dnsname",
  "domainName": "awxcompose_default",
  "capabilities": {
    "aliases": true
  }
}
]
```

6. `type` `capabilities`

7. `type` `capabilities` `aliases`

```
$> podman exec -it awx_task ping redis
PING redis (10.89.0.2) 56(84) bytes of data.
64 bytes from awx_redis (10.89.0.2): icmp_seq=1 ttl=64 time=0.119 ms
64 bytes from awx_redis (10.89.0.2): icmp_seq=2 ttl=64 time=0.047 ms
64 bytes from awx_redis (10.89.0.2): icmp_seq=3 ttl=64 time=0.070 ms
```

64 bytes from awx_redis (10.89.0.2): icmp_seq=4 ttl=64 time=0.072 ms

^C

--- redis ping statistics ---

7 packets transmitted, 7 received, 0% packet loss, time 155ms

rtt min/avg/max/mdev = 0.047/0.069/0.119/0.021 ms

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