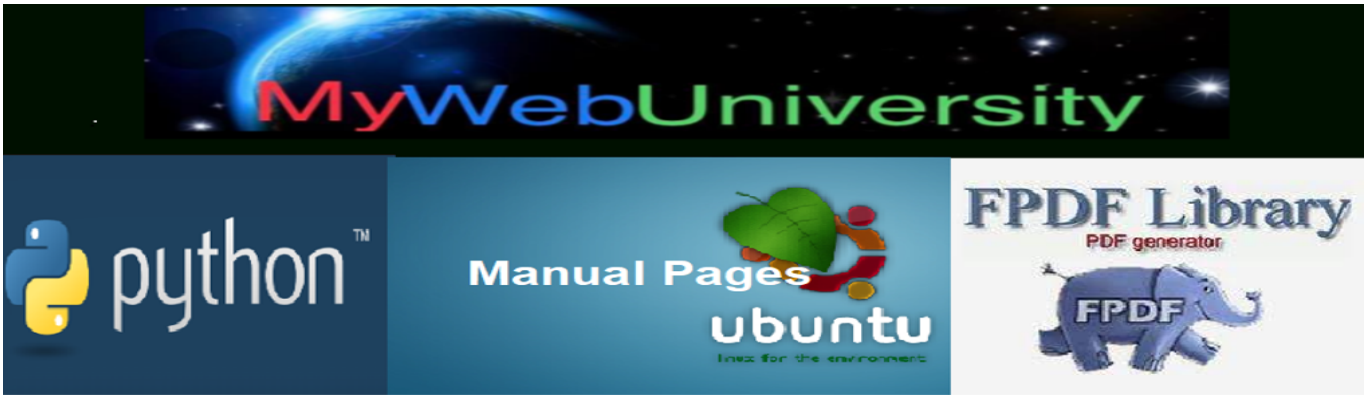

Rocky Enterprise Linux 9.2 Manual Pages on command 'docker-network-create.1'

$ man docker-network-create.1

podman-network-create(1)() podman-network-create(1)()

NAME

podman-network-create - Create a Podman CNI network

SYNOPSIS

podman network create [options] name

DESCRIPTION

Create a CNI-network configuration for use with Podman. By default, Podman creates a bridge connection. A Macvlan connection can be created with the -d macvlan option. A par? ent device for macvlan can be designated with the -o parent=<device> option. In the case of Macvlan connections, the CNI dhcp plugin needs to be activated or the container image must have a DHCP client to interact with the host network's DHCP server.

If no options are provided, Podman will assign a free subnet and name for your network.

Upon completion of creating the network, Podman will display the path to the newly added network file.

OPTIONS

--disable-dns

Disables the DNS plugin for this network which if enabled, can perform container to con? tainer name resolution.

--driver, -d

Driver to manage the network. Currently bridge and macvlan is supported. Defaults to bridge. As rootless the macvlan driver has no access to the host network interfaces be? cause rootless networking requires a separate network namespace.

--opt=option, -o

Set driver specific options.

For the bridge driver the following options are supported: mtu and vlan. The mtu option sets the Maximum Transmission Unit (MTU) and takes an integer value. The vlan option as? sign VLAN tag and enables vlan_filtering. Defaults to none.

--gateway

Define a gateway for the subnet. If you want to provide a gateway address, you must also provide a subnet option.

--internal

Restrict external access of this network. Note when using this option, the dnsname plugin will be automatically disabled.

--ip-range

Allocate container IP from a range. The range must be a complete subnet and in CIDR nota? tion. The ip-range option must be used with a subnet option.

--label

Set metadata for a network (e.g., --label mykey=value).

--subnet

The subnet in CIDR notation.

--ipv6

Enable IPv6 (Dual Stack) networking. You must pass a IPv6 subnet. The subnet option must be used with the ipv6 option.

EXAMPLE

Create a network with no options

```
# podman network create
/etc/cni/net.d/cni-podman-4.conflist
```

Create a network named newnet that uses 192.5.0.0/16 for its subnet.

```
# podman network create --subnet 192.5.0.0/16 newnet
/etc/cni/net.d/newnet.conflist
```

Create an IPv6 network named newnetv6, you must specify the subnet for this network, oth? erwise the command will fail. For this example, we use 2001:db8::/64 for its subnet.

```
# podman network create --subnet 2001:db8::/64 --ipv6 newnetv6
/etc/cni/net.d/newnetv6.conflist
```

Create a network named newnet that uses 192.168.33.0/24 and defines a gateway as 192.168.133.3

podman network create --subnet 192.168.33.0/24 --gateway 192.168.33.3 newnet

/etc/cni/net.d/newnet.conflist

Create a network that uses a *192.168.55.0/24** subnet and has an IP address range of 192.168.55.129 - 192.168.55.254.

podman network create --subnet 192.168.55.0/24 --ip-range 192.168.55.128/25

/etc/cni/net.d/cni-podman-5.conflist

Create a Macvlan based network using the host interface eth0

podman network create -d macvlan -o parent=eth0 newnet

/etc/cni/net.d/newnet.conflist

SEE ALSO

podman(1), podman-network(1), podman-network-inspect(1)

HISTORY

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