README

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Contents

1	todo	dwint/rpc
	1.1	Info
	1.2	Overview
	1.3	Features
	1.4	Sample commands to create the macvlan
	1.5	Sample docker run command
	1.6	Sample docker compose (compose vaml) file

1 toddwint/rpc

1.1 Info

rpc docker image for simple lab testing applications.

Docker Hub: https://hub.docker.com/r/toddwint/rpc

GitHub: https://github.com/toddwint/rpc

1.2 Overview

Docker image containing rpcbind and can be used as the base image for other images.

Pull the docker image from Docker Hub or, optionally, build the docker image from the source files in the build directory.

Create and run the container using docker run commands, docker compose commands, or by downloading and using the files here on github in the directories run or compose.

Example docker run and docker compose commands as well as sample commands to create the macvlan are below.

1.3 Features

- Ubuntu base image
- Plus:
 - rpcbind
 - libtirpc3
 - netbase
 - tmux
 - python3-minimal
 - iproute2
 - tzdata
 - ttyd
 - ♦ View the terminal in your browser
 - frontail
 - ♦ View logs in your browser
 - ♦ Mark/Highlight logs

```
\diamond Pause logs
```

- ♦ Filter logs
- tailon
 - View multiple logs and files in your browser
 - \diamond User selectable tail, grep, sed, and awk commands
 - ⋄ Filter logs and files
 - \diamond Download logs to your computer

1.4 Sample commands to create the macvlan

Create the docker macvlan interface.

```
docker network create -d macvlan --subnet=192.168.10.0/24 --gateway=192.168.10.254 \
    --aux-address="mgmt_ip=192.168.10.2" -o parent="eth0" \
    --attachable "rpc01"
```

Create a management macvlan interface.

```
sudo ip link add "rpc01" link "eth0" type macvlan mode bridge
sudo ip link set "rpc01" up
```

Assign an IP on the management macvlan interface plus add routes to the docker container.

```
sudo ip addr add "192.168.10.2/32" dev "rpc01" sudo ip route add "192.168.10.0/24" dev "rpc01"
```

1.5 Sample docker run command

```
docker run -dit \
    --name "rpc01" \
    --network "rpc01" \
    --ip "192.168.10.1" \
    -h "rpc01" \
    -p "192.168.10.1:111:111/tcp" \
    -p "192.168.10.1:111:111/udp" \
    -e TZ="UTC" \
    -e HOSTNAME="rpc01" \
    -e APPNAME="rpc" \
    "toddwint/rpc"
```

1.6 Sample docker compose (compose.yaml) file

tty: true

networks:

default:

name: "rpc01" external: true