Red Hat Enterprise Linux Release 9.2 Manual Pages on 'vdpa-dev.8' command

$ man vdpa-dev.8

DEVLINK-DEV(8)   Linux   DEVLINK-DEV(8)

NAME

    vdpa-dev - vdpa device configuration

SYNOPSIS

    vdpa dev [OPTIONS] { COMMAND| help }

    OPTIONS := { -V[ersion] }

    vdpa dev show [DEV]

    vdpa dev help

    vdpa dev add name NAME mgmtdev MGMTDEV [mac MACADDR] [mtu MTU] [

        max_vqp MAX_VQ_PAIRS]

    vdpa dev del DEV

    vdpa dev config show [DEV]

    vdpa dev vstats show DEV qidx QUEUE_INDEX

DESCRIPTION

  vdpa dev show - display vdpa device attributes

    DEV - specifies the vdpa device to show. If this argument is omitted

    all devices are listed.

      Format is:

        VDPA_DEVICE_NAME

  vdpa dev add - add a new vdpa device.

    name NAME

      Name of the new vdpa device to add.

    mgmtdev MGMTDEV

Name of the management device to use for device addition.

mac MACADDR - specifies the mac address for the new vdpa device. This
is applicable only for the network type of vdpa device. This is op‐
tional.

mtu MTU - specifies the mtu for the new vdpa device. This is applica‐
ble only for the network type of vdpa device. This is optional.

vdpa dev del - Delete the vdpa device.

DEV - specifies the vdpa device to delete.

vdpa dev config show - Show configuration of specific device or all de‐
vices.

DEV - specifies the vdpa device to show its configuration. If this ar‐
gument is omitted all devices configuration is listed.

Format is:

VDPA_DEVICE_NAME

vdpa dev vstats show - shows vendor specific statistics for the given de‐
vice and virtqueue index. The information is presented as name-value
pairs where name is the name of the field and value is a numeric value
for it.

DEV   - specifies the vdpa device to query

qidx QUEUE_INDEX

- specifies the virtqueue index to query

EXAMPLES

vdpa dev show

Shows the all vdpa devices on the system.

vdpa dev show foo

Shows the specified vdpa device.

vdpa dev add name foo mgmtdev vdpa_sim_net

Add the vdpa device named foo on the management device
vdpa_sim_net.

vdpa dev add name foo mgmtdev vdpa_sim_net mac 00:11:22:33:44:55

Add the vdpa device named foo on the management device vdpa_sim_net
with mac address of 00:11:22:33:44:55.

vdpa dev add name foo mgmtdev vdpa_sim_net mac 00:11:22:33:44:55 mtu

9000

    Add the vdpa device named foo on the management device vdpa_sim_net

    with mac address of 00:11:22:33:44:55 and mtu of 9000 bytes.

vdpa dev add name foo mgmtdev auxiliary/mlx5_core.sf.1 mac

00:11:22:33:44:55 max_vqp 8

    Add the vdpa device named foo on the management device auxil?

    iary/mlx5_core.sf.1 with mac address of 00:11:22:33:44:55 and max 8

    virtqueue pairs

vdpa dev del foo

    Delete the vdpa device named foo which was previously created.

vdpa dev config show foo

    Shows the vdpa device configuration of device named foo.

vdpa dev vstats show vdpa0 qidx 1

    Shows vendor specific statistics information for vdpa device vdpa0

    and virtqueue index 1

SEE ALSO

vdpa(8), vdpa-mgmtdev(8),

AUTHOR

Parav Pandit <parav@nvidia.com>

iproute2   5 Jan 2021   DEVLINK-DEV(8)