



## **Virtio-net Feature Bits**

Per virtio spec, virtio the device negotiates with the virtio driver on the supported features when the driver probes the device. The final negotiated features are a subset of the features supported by the device.

From the controller's perspective, all feature bits can be supported by a device are populated by `virtnet list`. Each individual virtio-net device is able to choose the feature bits supported by itself.

The following is a list of the feature bits currently supported by controller:

- `VIRTIO_NET_F_CSUM`
- `VIRTIO_NET_F_GUEST_CSUM`
- `VIRTIO_NET_F_CTRL_GUEST_OFFLOADS`
- `VIRTIO_NET_F_MTU`
- `VIRTIO_NET_F_MAC`
- `VIRTIO_NET_F_HOST_TS04`
- `VIRTIO_NET_F_HOST_TS06`
- `VIRTIO_NET_F_MRG_RXBUF`
- `VIRTIO_NET_F_STATUS`
- `VIRTIO_NET_F_CTRL_VQ`
- `VIRTIO_NET_F_CTRL_RX`
- `VIRTIO_NET_F_CTRL_VLAN`
- `VIRTIO_NET_F_GUEST_ANNOUNCE`
- `VIRTIO_NET_F_MQ`
- `VIRTIO_NET_F_CTRL_MAC_ADDR`

- VIRTIO\_F\_VERSION\_1
- VIRTIO\_F\_IOMMU\_PLATFORM
- VIRTIO\_F\_RING\_PACKED
- VIRTIO\_F\_ORDER\_PLATFORM
- VIRTIO\_F\_SR\_IOV
- VIRTIO\_F\_NOTIFICATION\_DATA
- VIRTIO\_F\_RING\_RESET
- VIRTIO\_F\_ADMIN\_VQ
- VIRTIO\_NET\_F\_HOST\_USO
- VIRTIO\_NET\_F\_HASH\_REPORT
- VIRTIO\_NET\_F\_GUEST\_HDRLEN
- VIRTIO\_NET\_F\_SPEED\_DUPLEX

**i Info**

For more information on these bits, refer to the [\*VIRTIO Version 1.2 Specifications\*](#).

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