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$ brctl show
bridge name      bridge id          STP1 enabled  interfaces
br-ca218df37e76  8000.0242bf370a3c no                 veth1904230
                  veth8501549
                  vetha89cb54
docker0          8000.02422ca44e9c no
virbr0           8000.525400f96568 yes                virbr0-nic
virbr1           8000.525400a85f07 yes                virbr1-nic
```

```
$ ip link
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN mode DEFAULT group default qlen 1000
   link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
2: enp3s0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP mode DEFAULT group default qlen 1000
   link/ether 08:60:6e:c1:29:c3 brd ff:ff:ff:ff:ff:ff
3: enp5s0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UNKNOWN mode DEFAULT group default qlen 1000
   link/ether 00:40:f4:5c:0f:5a brd ff:ff:ff:ff:ff:ff
4: docker0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN mode DEFAULT group default
   link/ether 02:42:2c:a4:4e:9c brd ff:ff:ff:ff:ff:ff
5: br-ca218df37e76: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue state UP mode DEFAULT group default
   link/ether 02:42:bf:37:0a:3c brd ff:ff:ff:ff:ff:ff
7: veth1904230@if6: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue master br-ca218df37e76 state UP mode DEFAULT group default
   link/ether c6:cd:22:4b:d8:f4 brd ff:ff:ff:ff:ff:ff link-netnsid 2
9: veth8501549@if8: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue master br-ca218df37e76 state UP mode DEFAULT group default
   link/ether 1a:23:1c:a8:e5:88 brd ff:ff:ff:ff:ff:ff link-netnsid 0
11: vetha89cb54@if10: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue master br-ca218df37e76 state UP mode DEFAULT group default
   link/ether 3a:b9:0a:63:1a:b8 brd ff:ff:ff:ff:ff:ff link-netnsid 1
12: virbr0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN mode DEFAULT group default qlen 1000
   link/ether 52:54:00:f9:65:68 brd ff:ff:ff:ff:ff:ff
13: virbr0-nic: <BROADCAST,MULTICAST> mtu 1500 qdisc fq_codel master virbr0 state DOWN mode DEFAULT group default qlen 1000
   link/ether 52:54:00:f9:65:68 brd ff:ff:ff:ff:ff:ff
28: virbr1: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN mode DEFAULT group default qlen 1000
   link/ether 52:54:00:a8:5f:07 brd ff:ff:ff:ff:ff:ff
29: virbr1-nic: <BROADCAST,MULTICAST> mtu 1500 qdisc fq_codel master virbr1 state DOWN mode DEFAULT group default qlen 1000
   link/ether 52:54:00:a8:5f:07 brd ff:ff:ff:ff:ff:ff
```

```
$ ip address
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
   link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
   inet 127.0.0.1/8 scope host lo
     valid_lft forever preferred_lft forever
   inet6 ::1/128 scope host
     valid_lft forever preferred_lft forever
2: enp3s0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
   link/ether 08:60:6e:c1:29:c3 brd ff:ff:ff:ff:ff:ff
3: enp5s0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UNKNOWN group default qlen 1000
   link/ether 00:40:f4:5c:0f:5a brd ff:ff:ff:ff:ff:ff
   inet 192.168.178.101/242 brd 192.168.178.255 scope global dynamic noprefixroute enp5s0
     valid_lft 846521sec preferred_lft 846521sec
   inet6 fe80::831b:585b:35d4:496a/64 scope link noprefixroute
     valid_lft forever preferred_lft forever
4: docker0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN group default
   link/ether 02:42:2c:a4:4e:9c brd ff:ff:ff:ff:ff:ff
   inet 172.17.0.1/163 brd 172.17.255.255 scope global docker0
     valid_lft forever preferred_lft forever
5: br-ca218df37e76: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue state UP group default
   link/ether 02:42:bf:37:0a:3c brd ff:ff:ff:ff:ff:ff
   inet 172.18.0.1/164 brd 172.18.255.255 scope global br-ca218df37e76
     valid_lft forever preferred_lft forever
   inet6 fe80::42:bfff:fe37:a3c/64 scope link
     valid_lft forever preferred_lft forever
7: veth1904230@if6: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue master br-ca218df37e76 state UP group default
   link/ether c6:cd:22:4b:d8:f4 brd ff:ff:ff:ff:ff:ff link-netnsid 2
   inet6 fe80::c4cd:22ff:fe4b:d8f4/64 scope link
     valid_lft forever preferred_lft forever
9: veth8501549@if8: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue master br-ca218df37e76 state UP group default
   link/ether 1a:23:1c:a8:e5:88 brd ff:ff:ff:ff:ff:ff link-netnsid 0
   inet6 fe80::1823:1cff:fea8:e588/64 scope link
     valid_lft forever preferred_lft forever
11: vetha89cb54@if10: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue master br-ca218df37e76 state UP group default
   link/ether 3a:b9:0a:63:1a:b8 brd ff:ff:ff:ff:ff:ff link-netnsid 1
   inet6 fe80::38b9:aff:fe63:1ab8/64 scope link
     valid_lft forever preferred_lft forever
12: virbr0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN group default qlen 1000
   link/ether 52:54:00:f9:65:68 brd ff:ff:ff:ff:ff:ff
   inet 192.168.122.1/245 brd 192.168.122.255 scope global virbr0
     valid_lft forever preferred_lft forever
13: virbr0-nic: <BROADCAST,MULTICAST> mtu 1500 qdisc fq_codel master virbr0 state DOWN group default qlen 1000
   link/ether 52:54:00:f9:65:68 brd ff:ff:ff:ff:ff:ff
28: virbr1: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN group default qlen 1000
   link/ether 52:54:00:a8:5f:07 brd ff:ff:ff:ff:ff:ff
   inet 192.168.179.1/246 brd 192.168.179.255 scope global virbr1
     valid_lft forever preferred_lft forever
29: virbr1-nic: <BROADCAST,MULTICAST> mtu 1500 qdisc fq_codel master virbr1 state DOWN group default qlen 1000
   link/ether 52:54:00:a8:5f:07 brd ff:ff:ff:ff:ff:ff
```

1 Spanning Tree Protocol  
2 Hardware-NIC: 192.168.178.101/24  
3 Docker: 172.18.0.1/16  
4 VirtualBox: 172.18.0.1/16  
5 qemu/kvm default Netzwerk: 192.168.122.1/24  
6 qemu/kvm selbst angelegtes Netzwerk: 192.168.179.1/24