

# IBM s390 QDIO Ethernet Driver

## OSA and HiperSockets Bridge Port Support

### Uevents

To generate the events the device must be assigned a role of either a primary or a secondary Bridge Port. For more information, see "z/VM Connectivity, SC24-6174".

When run on an OSA or HiperSockets Bridge Capable Port hardware, and the state of some configured Bridge Port device on the channel changes, a udev event with ACTION=CHANGE is emitted on behalf of the corresponding ccwgroup device. The event has the following attributes:

BRIDGEPORT=statechange  
indicates that the Bridge Port device changed its state.

ROLE={primary|secondary|none}  
the role assigned to the port.

STATE={active|standby|inactive}  
the newly assumed state of the port.

When run on HiperSockets Bridge Capable Port hardware with host address notifications enabled, a udev event with ACTION=CHANGE is emitted. It is emitted on behalf of the corresponding ccwgroup device when a host or a VLAN is registered or unregistered on the network served by the device. The event has the following attributes:

BRIDGEDHOST={reset|register|deregister|abort}  
host address notifications are started afresh, a new host or VLAN is registered or deregistered on the Bridge Port HiperSockets channel, or address notifications are aborted.

VLAN=numeric-vlan-id  
VLAN ID on which the event occurred. Not included if no VLAN is involved in the event.

MAC=xx:xx:xx:xx:xx:xx  
MAC address of the host that is being registered or deregistered from the HiperSockets channel. Not reported if the event reports the creation or destruction of a VLAN.

NTOK\_BUSID=x.y.zzzz  
device bus ID (CSSID, SSID and device number).

NTOK\_IID=xx  
device IID.

NTOK\_CHPID=xx  
device CHPID.

NTOK\_CHID=xxxx  
device channel ID.

Note that the *NTOK\_\** attributes refer to devices other than the one connected to the system on which the OS is running.