

**NAME**

x25pvc, x25lnk — install, remove, or get status for a PVC or BX.25 link

**SYNOPSIS**

x25pvc options

x25lnk options

**DESCRIPTION**

*X25pvc* may be used to install or remove a BX.25 Permanent Virtual Circuit (PVC) on a specified BX.25 interface (*link*), or to display the status of a specified BX.25 minor device (*slot*). Exactly one of the following options must be used:

**-i** [ **-S** ] [ **-R** ] [ **-N** ] *slotname chno linkno*

*Slotname* is a path name that specifies a BX.25 minor device (slot). If the minor device is currently connected to some logical channel on some BX.25 interface (*link*), then first that minor device will be removed, if possible (see the **-r** option). If that minor device is available, it is connected to logical channel *chno* on link number *linkno*. *Chno* must be in the range of 1 to 4,095 and must not be currently in use for any other BX.25 minor device associated with that link. Exactly one of three options must be used to indicate the session-establishment protocol to be used. The **-S** option, which is the preferred option, indicates that session-layer connect/accept/disconnect qualified data messages are to be used. The **-R** option indicates that RESET in-order/out-of-order packets will be recognized. The **-N** option indicates that the "no protocol" session mode is used.

**-r** *slotname*

Remove BX.25 minor device *slotname*. The command will fail if the slot is open, if packets are waiting to be transmitted, or if there are unacknowledged packets outstanding.

**-s** *slotname*

Print the status of BX.25 minor device *slotname*. The information printed consists of *slotname*, the logical channel number, the link number, and the session-establishment option.

*X25lnk* is used to activate or deactivate a specified BX.25 link. Exactly one of the following options must be used:

**-i** [ **-b** ] [ **-p** *pktsize* ] *linkno vpm kmc lineno* [ *kdm* ]

Activate the BX.25 link that is specified by *linkno*. The **-b** option specifies that the link-level protocol will use Address B. The default is Address A. The **-p** option defines the packet size; if it is used, *pktsize* must be a number that is a power of 2 between 16 and 1,024 inclusive. The default packet size is 128. *Linkno* is the number of the BX.25 link to be installed. *Vpm* is a path name that specifies the minor device number of the VPM interface driver that is to be used for the link. *Kmc* is a path name that specifies the minor device of the KMC driver and *lineno* specifies one of the eight lines (0-7) of a KMS11 multiple-line hardware interface. *Kdm* is a pathname that specifies the minor device of the DM11 modem control driver. The **-i** option makes the necessary connections between data structures and starts the BX.25 protocol on the link.

**-h** *linkno*

Halt the link specified by *linkno*.

**-s** *linkno*

Print the status of the link specified by *linkno*. The information printed consists of the link number, the packet size used on that link, the minor device number of the VPM interface driver, the minor device number of the KMC driver, and the line number of the KMC or KMS.

**SEE ALSO**

nc(4), vpm(4), x25(4).

*Operations Systems Network Protocol Specification: BX.25 Issue 2*, Bell Laboratories.