VME BPM - Milestone #9301

Milestone # 9299 (Closed): Commision P2-line frontends at F2 and F3

Configure processors

06/24/2015 09:48 PM - John Diamond

Status:	Closed	**Start date:**	06/24/2015
Priority:	Normal	**Due date:**	
Assignee:	John Diamond	**% Done:**	100%
Category:		**Estimated time:**	4.00 hours
Target version:		**Spent time:**	6.75 hours
Description			

History

#1 - 06/30/2015 09:47 AM - John Diamond

- % Done changed from 0 to 30

Configured the IP address on sbpmf1 and sbpmf3.
Receiving "no carrier" messages on boot-up. Suspect that the switch needs to be set to 10mbps/half-duplex.
Contacted Steve Conlon and asked him to look into the switch configuration.

#2 - 06/30/2015 12:39 PM - John Diamond

Looks like tstbpm3 (also a 2434) is configured for half-duplex:

```
s-ad-c-2950g-tgn#sh interface FastEthernet 0/26
FastEthernet0/26 is up, line protocol is up (connected)
  Hardware is Fast Ethernet, address is 0015.631e.fd1a (bia 0015.631e.fd1a)
  Description: T.E.L-RR1(A) (console port)
  MTU 1500 bytes, BW 10000 Kbit, DLY 1000 usec,
     reliability 255/255, txload 1/255, rxload 1/255
  Encapsulation ARPA, loopback not set
  Keepalive set (10 sec)
  Half-duplex, 10Mb/s, media type is 100BaseTX
  input flow-control is unsupported output flow-control is unsupported
  ARP type: ARPA, ARP Timeout 04:00:00
  Last input never, output 00:00:01, output hang never
  Last clearing of "show interface" counters never
  Input queue: 0/75/0/0 (size/max/drops/flushes); Total output drops: 0
  Queueing strategy: fifo
  Output queue: 0/40 (size/max)
  5 minute input rate 0 bits/sec, 0 packets/sec
  5 minute output rate 13000 bits/sec, 22 packets/sec
     14283675 packets input, 523289380 bytes, 0 no buffer
     Received 9428 broadcasts (165 multicast)
     0 runts, 0 giants, 0 throttles
     0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored
     0 watchdog, 165 multicast, 0 pause input
     0 input packets with dribble condition detected
     206850229 packets output, 1459626662 bytes, 0 underruns
     0 output errors, 2571661 collisions, 1 interface resets
     0 babbles, 0 late collision, 2117126 deferred
     0 lost carrier, 0 no carrier, 0 PAUSE output
     0 output buffer failures, 0 output buffers swapped out
s-ad-c-2950g-tgn#
```

#3 - 06/30/2015 12:52 PM - John Diamond

Created startup scripts for F1 and F3 while I am waiting for Steve:

```
/fecode-bd/vxworks_boot/fe/sybpm/sbpmf1
/fecode-bd/vxworks_boot/fe/sybpm/sbpmf3
```

#4 - 07/01/2015 01:01 PM - John Diamond

No carrier messages went away after Steve set the ports to 10/half.
Configured sbpmf3:

```
vmebpm-> bootChange

'.' = clear field;  '-' = go to previous field;  ^D = quit

boot device          : dc0
processor number     : 0
host name            : fecode-bd
file name            : vxworks_boot/kernel/mv2400/v5_5/vxWorks
inet on ethernet (e) : 131.225.128.12:ffffff00
inet on backplane (b):
host inet (h)        : 131.225.121.145
gateway inet (g)     : 131.225.128.200
user (u)             : vxworks_boot
ftp password (pw) (blank = use rsh):
flags (f)            : 0x0
target name (tn)     : sbpmf3_0xc05
startup script (s)   : vxworks_boot/fe/sybpm/sbpmf3x
other (o)            :
```

sbpmf1 is not responding on the serial. Going to replace it with tstbpm3.

#5 - 07/01/2015 01:04 PM - John Diamond

sbpmf1 is ACNET node 0xc04.

#6 - 07/01/2015 01:43 PM - John Diamond

Replaced sbpmf1 with tstbpm3. Configuration is:

```
boot device          : dc0
processor number     : 0
host name            : fecode-bd
file name            : vxworks_boot/kernel/mv2400/v5_5/vxWorks
inet on ethernet (e) : 131.225.128.6:ffffff00
inet on backplane (b):
host inet (h)        : 131.225.121.145
gateway inet (g)     : 131.225.128.200
user (u)             : vxworks_boot
ftp password (pw) (blank = use rsh):
flags (f)            : 0x0
target name (tn)     : sbpmf1_0xc04
startup script (s)   : vxworks_boot/fe/sybpm/sbpmf1x vxworks_boot/fe/sybpm/sbpmf1
other (o)            :
```

Contacted Tim Zingelman and asked that sbpmf1 and sbpmf3 have mount & write permission for /fecode-bd/vxworks_write/fe/sybpm/sybpmp.

#7 - 07/01/2015 01:47 PM - John Diamond

- Status changed from New to Closed

- % Done changed from 30 to 100