that you can run zIIP processors in symmetric multithreading mode (SMT). When running in SMT mode, you can run two threads in parallel on a single zIIP. Check the settings of your processors with the operator command `D M=CPU.` You can see the output of this command in Example 2-1 on page 23. The core status tells you, that this LPAR is running in multithreading (MT) mode 1 for CPs (1 is the only option for CPs), and running in MT mode 2 for zIIPs.

Example 2-1   Output of D M=CPU operator command

```
D M=CPU
IEE174I 09.38.33 DISPLAY M 231
CORE STATUS: HD=Y    MT=2  MT_MODE: CP=1   zIIP=2
ID    ST   ID RANGE   VP  ISCM  CPU THREAD STATUS
0000   +   0000-0001  H   FC00  +N
0001   +   0002-0003  M   0000  +N
0002   +   0004-0005  LP  0000  +N
0003   +   0006-0007  LP  0000  +N
0004   +I  0008-0009  H   0200  ++
0005   +I  000A-000B  H   0200  ++
0006   +I  000C-000D  M   0200  ++
0007   +I  000E-000F  M   0200  ++
0008   -   0010-0011
0009   -   0012-0013
000A   -   0014-0015
000B   -   0016-0017
000C   -I  0018-0019
000D   -I  001A-001B
000E   -I  001C-001D
000F   -I  001E-001F


CPC ND = 008561.T01.IBM.02.00000002B7F8
CPC SI = 8561.716.IBM.02.000000000002B7F8
        Model: T01
CPC ID = 00
CPC NAME = ARIES
LP NAME = ARIES22    LP ID = 22
CSS ID  = 2
MIF ID  = 2

+ ONLINE     - OFFLINE    N NOT AVAILABLE    / MIXED STATE
W WLM-MANAGED


I        INTEGRATED INFORMATION PROCESSOR (zIIP)
CPC ND  CENTRAL PROCESSING COMPLEX NODE DESCRIPTOR
CPC SI  SYSTEM INFORMATION FROM STSI INSTRUCTION
CPC ID  CENTRAL PROCESSING COMPLEX IDENTIFIER
CPC NAME CENTRAL PROCESSING COMPLEX NAME
LP NAME  LOGICAL PARTITION NAME
LP ID    LOGICAL PARTITION IDENTIFIER
CSS ID   CHANNEL SUBSYSTEM IDENTIFIER
MIF ID   MULTIPLE IMAGE FACILITY IMAGE IDENTIFIER
```

For core mode, which is specified in the LOADxx member of SYSn.IPLPARM (see extract from LOADxx member in Example 2-2 on page 24), the `D M=CPU` operator command is internally changed to `D M=CORE`. If a system is running in core mode, Hiperdispatch is also required (HIPERDISPATCH=YES in IEAOPTxx parmlib member).