NAME

prtdiag – print system diagnostic information

SYNOPSIS

/usr/platform/sun4d/sbin/prtdiag [**–v**]

AVAILABILITY

SUNWkvm.d

DESCRIPTION

prtdiag displays system configuration and diagnostic information.

The diagnostic information lists any failed Field Replaceable Units (FRUs) in the system.

prtdiag is supported only on sun4d machines.

The interface, output, and location in the directory hierarchy for **prtdiag** are uncommitted and subject to change in future releases.

OPTIONS

The following option is supported:

–v verbose mode.
Displays the time of the most recent AC Power failure, and the most recent system watchdog information.

This information is useful only to depot repair and manufacturing for detailed diagnostics of FRUs.

EXAMPLES

The example below displays sample output from a SPARCcenter 2000 machine.

```
example% /usr/platform/sun4d/sbin/prtdiag

System Configuration:  Sun Microsystems  sun4d SPARCcenter 2000
System clock frequency: 40 MHz
Memory size: 448Mb
Number of XDBuses: 2
            CPU Units: Frequency Cache-Size       Memory Units: Group Size
            A: MHz  MB          B: MHz  MB        0: MB   1: MB   2: MB   3: MB
            ------  ------      ------  ------    -----   -----   -----   -----
Board1:         40  1.0             40  1.0          32       0      32       0
Board4:         40  1.0             40  1.0          32      32      32      32
Board7:         40  1.0             40  1.0          32      32      32      32
Board8:                                              32      32      32      32
======================SBus Cards==========================
Board1:        0:   dma/esp(scsi)            'SUNW,500-1902'
                    lebuffer/le(network)     'SUNW,500-1902'
               1:   dma/esp(scsi)            'SUNW,500-1902'
                    lebuffer/le(network)     'SUNW,500-1902'
               2:   cgsix                    'SUNW,501-1672'
               3:   dma/esp(scsi)            '500-1869-01'
                    lebuffer/le(network)     '500-1869-01'
Board4:        0:   <empty>
               1:   dma/esp(scsi)            '500-1902-01'
                    lebuffer/le(network)     '500-1902-01'
```

```
                    2:   bf                        'SUNW,501-1732'
                    3:   bf                        'SUNW,501-1732'
Board7:             0:   <empty>
                    1:   <empty>
                    2:   <empty>
                    3:   <empty>
Board8:             0:   <empty>
                    1:   <empty>
                    2:   <empty>
                    3:   <empty>

Failed Field Replaceable Units (FRU) in System:
==============================================
SBus Card unavailable on System Board #7
Failed Field Replaceable Unit is SBus card 0

cpu-unit unavailable on System Board #8
Failed Field Replaceable Unit is SuperSPARC Module A
```

The example below displays sample verbose output from a SPARCcenter 2000.

```
example% /usr/platform/sun4d/sbin/prtdiag -v

System Configuration:  Sun Microsystems  sun4d SPARCcenter 2000
System clock frequency: 40 MHz
Memory size: 448Mb
Number of XDBuses: 2
          CPU Units: Frequency Cache-Size       Memory Units: Group Size
          A: MHz    MB     B: MHz  MB          0: MB   1: MB   2: MB   3: MB
          ------   -----   ------  -----       -----   -----   -----   -----
Board1:       40    1.0        40  1.0            32       0      32       0
Board4:       40    1.0        40  1.0            32      32      32      32
Board7:       40    1.0        40  1.0            32      32      32      32
Board8:                                           32      32      32      32
======================SBus Cards==========================
Board1:             0:   dma/esp(scsi)             'SUNW,500-1902'
                         lebuffer/le(network)      'SUNW,500-1902'
                    1:   dma/esp(scsi)             'SUNW,500-1902'
                         lebuffer/le(network)      'SUNW,500-1902'
                    2:   cgsix                     'SUNW,501-1672'
                    3:   dma/esp(scsi)             '500-1869-01'
                         lebuffer/le(network)      '500-1869-01'
Board4:             0:   <empty>
                    1:   dma/esp(scsi)             '500-1902-01'
                         lebuffer/le(network)      '500-1902-01'
                    2:   bf                        'SUNW,501-1732'
                    3:   bf                        'SUNW,501-1732'
Board7:             0:   <empty>
                    1:   <empty>
```

```
                2:     <empty>
                3:     <empty>
Board8:         0:     <empty>
                1:     <empty>
                2:     <empty>
                3:     <empty>

Failed Field Replaceable Units (FRU) in System:
==============================================
SBus Card unavailable on System Board #7
Failed Field Replaceable Unit is SBus card 0

cpu-unit unavailable on System Board #8
Failed Field Replaceable Unit is SuperSPARC Module A

Most recent AC Power Failure:
=============================
Sat May 22 14:21:18 1993

Analysis of most recent System Watchdog:
========================================
Log Date: Thu Feb 18 22:28:15 1993

Analysis for Board 7
--------------------
MXCC
  Asynchronous Error
  Error Valid, CCOP=130 ERR= 2 PA=9.10081000
BW0 (CPU B)
  Client Device Error, Internal Error(s) = IOWSCE
```

EXIT STATUS

prtdiag returns **1** if failed FRUs are detected in the system; otherwise,it returns **0**.

SEE ALSO

prtconf(1M), **psrinfo**(1M), **modinfo**(1M), **sysdef**(1M), **openprom**(7D)