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*********************************************************
   24108 Sat Jun 15 05:47:36 2019
new/usr/src/man/man1m/eeprom.1m
11244 Some man pages still refer to E10K
*********************************************************
   1 '\" te
   2 .\" Copyright 2019 Peter Tribble.
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   5 .\" You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE or http:
   6 .\" When distributing Covered Code, include this CDDL HEADER in each file and in
   7 .TH EEPROM 1M "Jun 13, 2019"
   6 .TH EEPROM 1M "Oct 27, 2018"
   8 .SH NAME
   9 eeprom \- EEPROM display and load utility
  10 .SH SYNOPSIS
  11 .LP
  12 .nf
  13 \fB/usr/sbin/eeprom\fR [\fB-\fR] [\fB-f\fR \fIdevice\fR] [\fIparameter\fR[=\fIva
  14 .fi

  16 .SH DESCRIPTION
  17 .LP
  18 \fBeeprom\fR displays or changes the values of parameters in the \fBEEPROM.\fR
  19 It processes parameters in the order given. When processing a \fIparameter\fR
  20 accompanied by a \fIvalue\fR, \fBeeprom\fR makes the indicated alteration to
  21 the \fBEEPROM;\fR otherwise, it displays the \fIparameter\fR's value. When
  22 given no parameter specifiers, \fBeeprom\fR displays the values of all
  23 \fBEEPROM\fR parameters. A '\|\(mi\fB\&'\fR (hyphen) flag specifies that
  24 parameters and values are to be read from the standard input (one
  25 \fIparameter\fR or \fIparameter\fR\fB=\fR\fIvalue\fR per line).
  26 .sp
  27 .LP
  28 Only the super-user may alter the \fBEEPROM\fR contents.
  29 .sp
  30 .LP
  31 \fBeeprom\fR verifies the \fBEEPROM\fR checksums and complains if they are
  32 incorrect.
  33 .sp
  34 .LP
  35 \fIplatform-name\fR is the name of the platform implementation and can be found
  36 using the \fB-i\fR option of \fBuname\fR(1).
  37 .SS "SPARC"
  38 .LP
  39 \fBSPARC\fR based systems implement firmware password protection with
  40 \fBeeprom\fR, using the \fBsecurity-mode\fR, \fBsecurity-password\fR and
  41 \fBsecurity-#badlogins\fR properties.
  42 .SS "x86"
  43 .LP
  44 \fBEEPROM\fR storage is simulated using a file residing in the
  45 platform-specific boot area. The \fB/boot/solaris/bootenv.rc\fR file simulates
  46 \fBEEPROM\fR storage.
  47 .sp
  48 .LP
  49 Because x86 based systems typically implement password protection in the system
  50 \fBBIOS,\fR there is no support for password protection in the \fBeeprom\fR
  51 program. While it is possible to set the \fBsecurity-mode\fR,
  52 \fBsecurity-password\fR and \fBsecurity-#badlogins\fR properties on x86 based
  53 systems, these properties have no special meaning or behavior on x86 based
  54 systems.
  55 .SH OPTIONS
  56 .ne 2
  57 .na
  58 \fB\fB-f\fR \fIdevice\fR\fR
  59 .ad
  60 .sp .6
```

```
  61 .RS 4n
  62 Use \fIdevice\fR as the \fBEEPROM\fR device.
  63 .RE

  65 .SH OPERANDS
  66 .SS "x86 Only"
  67 .ne 2
  68 .na
  69 \fB\fIacpi-user-options\fR\fR
  70 .ad
  71 .sp .6
  72 .RS 4n
  73 A configuration variable that controls the use of Advanced Configuration and
  74 Power Interface (ACPI), a power management specification. The acceptable values
  75 for this variable depend on the release of the Solaris operating system you are
  76 using.
  77 .sp
  78 For all releases of Solaris 10 and Solaris 11, a value of of \fB0x0\fR means
  79 that there will be an attempt to use ACPI if it is available on the system. A
  80 value of \fB0x2\fR disables the use of ACPI.
  81 .sp
  82 For the Solaris 10 1/06 release, a value of \fB0x8\fR means that there will be
  83 an attempt to use ACPI in a mode compatible with previous releases of Solaris
  84 10 if it is available on the system. The default for Solaris 10 1/06 is
  85 \fB0x8\fR.
  86 .sp
  87 For releases of Solaris 10 after the 1/06 release and for Solaris 11, the
  88 default is \fB0x0\fR.
  89 .sp
  90 Most users can safely accept the default value, which enables ACPI if
  91 available. If issues related to the use of ACPI are suspected on releases of
  92 Solaris after Solaris 1/06, it is suggested to first try a value of \fB0x8\fR
  93 and then, if you do not obtain satisfactory results, \fB0x02\fR.
  94 .RE

  96 .sp
  97 .ne 2
  98 .na
  99 \fB\fIconsole\fR\fR
 100 .ad
 101 .sp .6
 102 .RS 4n
 103 Specifies the console device.
 104 Possible values are \fBttya\fR, \fBttyb\fR, \fBttyc\fR, \fBttyd\fR, and
 105 \fBtext\fR. In \fBtext\fR mode, console output goes to the frame buffer and
 106 input comes from the keyboard. For SPARC, when this property is not present,
 107 the console device falls back to the device specified by \fBinput-device\fR and
 108 \fBoutput-device\fR. When neither the console property or the
 109 \fBinput-device\fR and \fBoutput-device\fR property pair are present, the
 110 console defaults to the frame buffer and keyboard.
 111 .RE

 113 .ne 2
 114 .na
 115 \fB\fIos_console\fR\fR
 116 .ad
 117 .sp .6
 118 .RS 4n
 119 While \fBconsole\fR controls both boot loader and kernel console, setting
 120 \fBos_console\fR allows setting console device only for kernel. Values
 121 are the same as for \fBconsole\fR.
 122 .RE

 124 .ne 2
 125 .na
 126 \fB\fIdiag-device\fR\fR
```

```
 127 .ad
 128 .sp .6
 129 .RS 4n
 130 The \fBdiag-device\fR is currently implemented to support serial port
 131 as output for system early boot diagnostic messages and input and output
 132 for \fBkmdb\fR debugger. For early boot, all the console messages are mirrored
 133 to \fBdiag-device\fR, until the console drivers are loaded.
 134 After that, only \fBkmdb\fR will continue to use the \fBdiag-device\fR.
 135 .RE

 137 .SH NVRAM CONFIGURATION PARAMETERS
 138 .LP
 139 Not all OpenBoot systems support all parameters. Defaults vary depending on the
 140 system and the \fBPROM\fR revision. See the output in the "Default Value"
 141 column of the \fBprintenv\fR command, as entered at the \fBok\fR (OpenBoot)
 142 prompt, to determine the default for your system.
 143 .sp
 144 .ne 2
 145 .na
 146 \fBauto-boot?\fR
 147 .ad
 148 .sp .6
 149 .RS 4n
 150 If \fBtrue\fR, boots automatically after power-on or reset. Defaults to
 151 \fBtrue\fR.
 152 .RE

 154 .sp
 155 .ne 2
 156 .na
 157 \fBansi-terminal?\fR
 158 .ad
 159 .sp .6
 160 .RS 4n
 161 Configuration variable used to control the behavior of the terminal emulator.
 162 The value \fBfalse\fR makes the terminal emulator stop interpreting \fBANSI\fR
 163 escape sequences; instead, echoes them to the output device. Defaults to
 164 \fBtrue\fR.
 165 .RE

 167 .sp
 168 .ne 2
 169 .na
 170 \fBboot-args\fR
 171 .ad
 172 .sp .6
 173 .RS 4n
 174 Holds a string of arguments that are passed to the boot subsystem. For example,
 175 you can use \fBboot-args=' - install dhcp'\fR to request a customer jumpstart
 176 installation. See \fBboot\fR(1M), \fBkadb\fR(1M) and \fBkernel\fR(1M).
 177 .RE

 179 .sp
 180 .ne 2
 181 .na
 182 \fBboot-command\fR
 183 .ad
 184 .sp .6
 185 .RS 4n
 186 Command executed if \fBauto-boot?\fR is \fBtrue\fR. Defaults to \fBboot\fR.
 187 .RE

 189 .sp
 190 .ne 2
 191 .na
 192 \fBboot-device\fR
```

```
 193 .ad
 194 .sp .6
 195 .RS 4n
 196 Device from which to boot. \fIboot-device\fR may contain 0 or more device
 197 specifiers separated by spaces. Each device specifier may be either a prom
 198 device alias or a prom device path. The boot prom will attempt to open each
 199 successive device specifier in the list beginning with the first device
 200 specifier. The first device specifier that opens successfully will be used as
 201 the device to boot from. Defaults to \fBdisk net\fR.
 202 .RE

 204 .sp
 205 .ne 2
 206 .na
 207 \fBboot-file\fR
 208 .ad
 209 .sp .6
 210 .RS 4n
 211 File to boot (an empty string lets the secondary booter choose default).
 212 Defaults to empty string.
 213 .RE

 215 .sp
 216 .ne 2
 217 .na
 218 \fBboot-from\fR
 219 .ad
 220 .sp .6
 221 .RS 4n
 222 Boot device and file (OpenBoot PROM version 1.\fIx\fR only). Defaults to
 223 \fBvmunix\fR.
 224 .RE

 226 .sp
 227 .ne 2
 228 .na
 229 \fBboot-from-diag\fR
 230 .ad
 231 .sp .6
 232 .RS 4n
 233 Diagnostic boot device and file (OpenBoot PROM version 1.\fIx\fR only).
 234 Defaults to \fBle(\|)unix\fR.
 235 .RE

 237 .sp
 238 .ne 2
 239 .na
 240 \fBboot-ncpus\fR
 241 .ad
 242 .sp .6
 243 .RS 4n
 244 Configuration variable that controls the number of processors with which the
 245 system should boot. By default, the system boots with maximum supported number
 246 of processors.
 247 .RE

 249 .sp
 250 .ne 2
 251 .na
 252 \fBcom\fIX\fR-noprobe\fR
 253 .ad
 254 .sp .6
 255 .RS 4n
 256 Where \fIX\fR is the number of the serial port, prevents device probe on serial
 257 port \fIX.\fR
 258 .RE
```

```
260 .sp
261 .ne 2
262 .na
263 \fBdiag-device\fR
264 .ad
265 .sp .6
266 .RS 4n
267 Diagnostic boot source device. Defaults to \fBnet\fR.
268 .RE

270 .sp
271 .ne 2
272 .na
273 \fBdiag-file\fR
274 .ad
275 .sp .6
276 .RS 4n
277 File from which to boot in diagnostic mode. Defaults to empty string.
278 .RE

280 .sp
281 .ne 2
282 .na
283 \fBdiag-level\fR
284 .ad
285 .sp .6
286 .RS 4n
287 Diagnostics level. Values include \fBoff\fR, \fBmin\fR, \fBmax\fR and
288 \fBmenus\fR. There may be additional platform-specific values. When set to
289 \fBoff\fR, \fBPOST\fR is not called. If \fBPOST\fR is called, the value is made
290 available as an argument to, and is interpreted by \fBPOST.\fR Defaults to
291 \fBplatform-dependent\fR.
292 .RE

294 .sp
295 .ne 2
296 .na
297 \fBdiag-switch?\fR
298 .ad
299 .sp .6
300 .RS 4n
301 If \fBtrue\fR, run in diagnostic mode. Defaults to \fBfalse\fR on most desktop
302 systems, \fBtrue\fR on most servers.
303 .RE

305 .sp
306 .ne 2
307 .na
308 \fBerror-reset-recovery\fR
309 .ad
310 .sp .6
311 .RS 4n
312 Recover after an error reset trap. Defaults to platform-specific setting.
313 .sp
314 On platforms supporting this variable, it replaces the \fBwatchdog-reboot?\fR,
315 \fBwatchdog-sync?\fR, \fBredmode-reboot?\fR, \fBredmode-sync?\fR,
316 \fBsir-sync?\fR, and \fBxir-sync?\fR parameters.
317 .sp
318 The options are:
319 .sp
320 .ne 2
321 .na
322 \fBnone\fR
323 .ad
324 .sp .6
```

```
325 .RS 4n
326 Print a message describing the reset trap and go to OpenBoot PROM's user
327 interface, \fBaka\fR \fBOK\fR prompt.
328 .RE

330 .sp
331 .ne 2
332 .na
333 \fBsync\fR
334 .ad
335 .sp .6
336 .RS 4n
337 Invoke OpenBoot PROM's \fBsync\fR word after the reset trap. Some platforms may
338 treat this as \fBnone\fR after an externally initiated reset (\fBXIR\fR) trap.
339 .RE

341 .sp
342 .ne 2
343 .na
344 \fBboot\fR
345 .ad
346 .sp .6
347 .RS 4n
348 Reboot after the reset trap. Some platforms may treat this as \fBnone\fR after
349 an \fBXIR\fR trap.
350 .RE

352 .RE

354 .sp
355 .ne 2
356 .na
357 \fBfcode-debug?\fR
358 .ad
359 .sp .6
360 .RS 4n
361 If \fBtrue\fR, include name parameter for plug-in device FCodes. Defaults to
362 \fBfalse\fR.
363 .RE

365 .sp
366 .ne 2
367 .na
368 \fBhardware-revision\fR
369 .ad
370 .sp .6
371 .RS 4n
372 System version information.
373 .RE

375 .sp
376 .ne 2
377 .na
378 \fBinput-device\fR
379 .ad
380 .sp .6
381 .RS 4n
382 Input device used at power-on (usually \fBkeyboard\fR, \fBttya\fR,
383 \fBttyb\fR, \fBttyc\fR, or \fBttyd\fR). Defaults to \fBkeyboard\fR.
384 .RE

386 .sp
387 .ne 2
388 .na
389 \fBkeyboard-click?\fR
390 .ad
```

```
 391 .sp .6
 392 .RS 4n
 393 If \fBtrue\fR, enable keyboard click. Defaults to \fBfalse\fR.
 394 .RE

 396 .sp
 397 .ne 2
 398 .na
 399 \fBkeyboard-layout\fR
 400 .ad
 401 .sp .6
 402 .RS 4n
 403 A string that specifies the layout name for non-self-identifying keyboards
 404 (type 7c). Invoke \fBkbd\fR \fB-s\fR to obtain a list of acceptable layout
 405 names. See \fBkbd\fR(1).
 406 .RE

 408 .sp
 409 .ne 2
 410 .na
 411 \fBkeymap\fR
 412 .ad
 413 .sp .6
 414 .RS 4n
 415 Keymap for custom keyboard.
 416 .RE

 418 .sp
 419 .ne 2
 420 .na
 421 \fBlast-hardware-update\fR
 422 .ad
 423 .sp .6
 424 .RS 4n
 425 System update information.
 426 .RE

 428 .sp
 429 .ne 2
 430 .na
 431 \fBload-base\fR
 432 .ad
 433 .sp .6
 434 .RS 4n
 435 Default load address for client programs. Default value is \fB16384\fR.
 436 .RE

 438 .sp
 439 .ne 2
 440 .na
 441 \fBlocal-mac-address?\fR
 442 .ad
 443 .sp .6
 444 .RS 4n
 445 If true, network drivers use their own MAC address, not the system's. Defaults
 446 to \fBfalse\fR.
 447 .RE

 449 .sp
 450 .ne 2
 451 .na
 452 \fBmfg-mode\fR
 453 .ad
 454 .sp .6
 455 .RS 4n
 456 Manufacturing mode argument for \fBPOST.\fR Possible values include \fBoff\fR
```

```
 457 or \fBchamber\fR. The value is passed as an argument to \fBPOST.\fR Defaults to
 458 \fBoff\fR.
 459 .RE

 461 .sp
 462 .ne 2
 463 .na
 464 \fBmfg-switch?\fR
 465 .ad
 466 .sp .6
 467 .RS 4n
 468 If true, repeat system self-tests until interrupted with STOP-A. Defaults to
 469 \fBfalse\fR.
 470 .RE

 472 .sp
 473 .ne 2
 474 .na
 475 \fBnvramrc\fR
 476 .ad
 477 .sp .6
 478 .RS 4n
 479 Contents of NVRAMRC. Defaults to empty.
 480 .RE

 482 .sp
 483 .ne 2
 484 .na
 485 \fBnetwork-boot-arguments\fR
 486 .ad
 487 .sp .6
 488 .RS 4n
 489 Arguments to be used by the PROM for network booting. Defaults to an empty
 490 string. \fBnetwork-boot-arguments\fR can be used to specify the boot protocol
 491 (RARP/DHCP) to be used and a range of system knowledge to be used in the
 492 process.
 493 .sp
 494 The syntax for arguments supported for network booting is:
 495 .sp
 496 .in +2
 497 .nf
 498 [\fIprotocol\fR,] [\fIkey\fR=\fIvalue\fR,]*
 499 .fi
 500 .in -2
 501 .sp

 503 All arguments are optional and can appear in any order. Commas are required
 504 unless the argument is at the end of the list. If specified, an argument takes
 505 precedence over any default values, or, if booting using DHCP, over
 506 configuration information provided by a DHCP server for those parameters.
 507 .sp
 508 \fIprotocol\fR, above, specifies the address discovery protocol to be used.
 509 .sp
 510 Configuration parameters, listed below, are specified as \fIkey\fR=\fIvalue\fR
 511 attribute pairs.
 512 .sp
 513 .ne 2
 514 .na
 515 \fB\fBtftp-server\fR\fR
 516 .ad
 517 .sp .6
 518 .RS 4n
 519 IP address of the TFTP server
 520 .RE

 522 .sp
```

```
 523 .ne 2
 524 .na
 525 \fB\fBfile\fR\fR
 526 .ad
 527 .sp .6
 528 .RS 4n
 529 file to download using TFTP or URL for WAN boot
 530 .RE

 532 .sp
 533 .ne 2
 534 .na
 535 \fB\fBhost-ip\fR\fR
 536 .ad
 537 .sp .6
 538 .RS 4n
 539 IP address of the client (in dotted-decimal notation)
 540 .RE

 542 .sp
 543 .ne 2
 544 .na
 545 \fB\fBrouter-ip\fR\fR
 546 .ad
 547 .sp .6
 548 .RS 4n
 549 IP address of the default router (in dotted-decimal notation)
 550 .RE

 552 .sp
 553 .ne 2
 554 .na
 555 \fB\fBsubnet-mask\fR\fR
 556 .ad
 557 .sp .6
 558 .RS 4n
 559 subnet mask (in dotted-decimal notation)
 560 .RE

 562 .sp
 563 .ne 2
 564 .na
 565 \fB\fBclient-id\fR\fR
 566 .ad
 567 .sp .6
 568 .RS 4n
 569 DHCP client identifier
 570 .RE

 572 .sp
 573 .ne 2
 574 .na
 575 \fB\fBhostname\fR\fR
 576 .ad
 577 .sp .6
 578 .RS 4n
 579 hostname to use in DHCP transactions
 580 .RE

 582 .sp
 583 .ne 2
 584 .na
 585 \fB\fBhttp-proxy\fR\fR
 586 .ad
 587 .sp .6
 588 .RS 4n
```

```
 589 HTTP proxy server specification (IPADDR[:PORT])
 590 .RE

 592 .sp
 593 .ne 2
 594 .na
 595 \fB\fBtftp-retries\fR\fR
 596 .ad
 597 .sp .6
 598 .RS 4n
 599 maximum number of TFTP retries
 600 .RE

 602 .sp
 603 .ne 2
 604 .na
 605 \fB\fBdhcp-retries\fR\fR
 606 .ad
 607 .sp .6
 608 .RS 4n
 609 maximum number of DHCP retries
 610 .RE

 612 If no parameters are specified (that is, \fBnetwork-boot-arguments\fR is an
 613 empty string), the PROM will use the platform-specific default address
 614 discovery protocol.
 615 .sp
 616 Absence of the protocol parameter when other configuration parameters are
 617 specified implies manual configuration.
 618 .sp
 619 Manual configuration requires that the client be provided with all the
 620 information necessary for boot. If using manual configuration, information
 621 required by the PROM to load the second-stage boot program must be provided in
 622 \fBnetwork-boot-arguments\fR while information required for the second-stage
 623 boot program can be specified either as arguments to the \fBboot\fR program or
 624 by means of the \fBboot\fR program's interactive command interpreter.
 625 .sp
 626 Information required by the PROM when using manual configuration includes the
 627 booting client's IP address, name of the boot file, and the address of the
 628 server providing the boot file image. Depending on network configuration, it
 629 might be required that the subnet mask and address of the default router to use
 630 also be specified.
 631 .RE

 633 .sp
 634 .ne 2
 635 .na
 636 \fBoem-banner\fR
 637 .ad
 638 .sp .6
 639 .RS 4n
 640 Custom OEM banner (enabled by setting \fBoem-banner?\fR to \fBtrue\fR).
 641 Defaults to empty string.
 642 .RE

 644 .sp
 645 .ne 2
 646 .na
 647 \fBoem-banner?\fR
 648 .ad
 649 .sp .6
 650 .RS 4n
 651 If \fBtrue\fR, use custom \fBOEM\fR banner. Defaults to \fBfalse\fR.
 652 .RE

 654 .sp
```

```
 655 .ne 2
 656 .na
 657 \fBoem-logo\fR
 658 .ad
 659 .sp .6
 660 .RS 4n
 661 Byte array custom OEM logo (enabled by setting \fBoem-logo?\fR to \fBtrue\fR).
 662 Displayed in hexadecimal.
 663 .RE

 665 .sp
 666 .ne 2
 667 .na
 668 \fBoem-logo?\fR
 669 .ad
 670 .sp .6
 671 .RS 4n
 672 If \fBtrue\fR, use custom OEM logo (else, use Sun logo). Defaults to
 673 \fBfalse\fR.
 674 .RE

 676 .sp
 677 .ne 2
 678 .na
 679 \fBpci-mem64?\fR
 680 .ad
 681 .sp .6
 682 .RS 4n
 683 If true, the OpenBoot PROM allocates 64-bit PCI memory addresses to a PCI
 684 device that can support 64-bit addresses.
 685 .sp
 686 This variable is available on SPARC platforms only and is optional. Some
 687 versions of SunOS do not support PCI \fBMEM64\fR addresses and will fail in
 688 unexpected ways if the OpenBoot PROM allocates PCI \fBMEM64\fR addresses.
 689 .sp
 690 The default value is system-dependent. If the variable exists, the default
 691 value is appropriate to the lowest version of the SunOS that shipped with a
 692 specific platform.
 693 .RE

 695 .sp
 696 .ne 2
 697 .na
 698 \fBoutput-device\fR
 699 .ad
 700 .sp .6
 701 .RS 4n
 702 Output device used at power-on (usually \fBscreen\fR, \fBttya\fR,
 703 \fBttyb\fR, \fBttyc\fR, or \fBttyd\fR). Defaults to \fBscreen\fR.
 704 .RE

 706 .sp
 707 .ne 2
 708 .na
 708 \fBredmode-reboot?\fR
 709 .ad
 710 .sp .6
 711 .RS 4n
 712 Specify \fBtrue\fR to reboot after a redmode reset trap. Defaults to
 713 \fBtrue\fR. (Sun Enterprise 10000 only.)
 714 .RE

 716 .sp
 717 .ne 2
 718 .na
 719 \fBredmode-sync?\fR
```

```
 720 .ad
 721 .sp .6
 722 .RS 4n
 723 Specify \fBtrue\fR to invoke OpenBoot PROM's \fBsync\fR word after a redmode
 724 reset trap. Defaults to \fBfalse\fR. (Sun Enterprise 10000 only.)
 725 .RE

 727 .sp
 728 .ne 2
 729 .na
 709 \fBrootpath\fR
 710 .ad
 711 .sp .6
 712 .RS 4n
 713 Specifies the root device of the operating system.
 714 .RE

 716 .sp
 717 .ne 2
 718 .na
 719 \fBsbus-probe-list\fR
 720 .ad
 721 .sp .6
 722 .RS 4n
 723 Designate which SBus slots are probed and in what order. Defaults to
 724 \fB0123\fR.
 725 .RE

 727 .sp
 728 .ne 2
 729 .na
 730 \fBscreen-#columns\fR
 731 .ad
 732 .sp .6
 733 .RS 4n
 734 Number of on-screen columns (characters/line). Defaults to \fB80\fR.
 735 .RE

 737 .sp
 738 .ne 2
 739 .na
 740 \fBscreen-#rows\fR
 741 .ad
 742 .sp .6
 743 .RS 4n
 744 Number of on-screen rows (lines). Defaults to \fB34\fR.
 745 .RE

 747 .sp
 748 .ne 2
 749 .na
 750 \fBscsi-initiator-id\fR
 751 .ad
 752 .sp .6
 753 .RS 4n
 754 \fBSCSI\fR bus address of host adapter, range 0-7. Defaults to \fB7\fR.
 755 .RE

 757 .sp
 758 .ne 2
 759 .na
 760 \fBsd-targets\fR
 761 .ad
 762 .sp .6
 763 .RS 4n
 764 Map \fBSCSI\fR disk units (OpenBoot PROM version 1.\fIx\fR only). Defaults to
```

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 765 \fB31204567\fR, which means that unit 0 maps to target \fB3\fR, unit 1 maps to
 766 target \fB1\fR, and so on.
 767 .RE

 769 .sp
 770 .ne 2
 771 .na
 772 \fBsecurity-#badlogins\fR
 773 .ad
 774 .sp .6
 775 .RS 4n
 776 Number of incorrect security password attempts.This property has no special
 777 meaning or behavior on x86 based systems.
 778 .RE

 780 .sp
 781 .ne 2
 782 .na
 783 \fBsecurity-mode\fR
 784 .ad
 785 .sp .6
 786 .RS 4n
 787 Firmware security level (options: \fBnone\fR, \fBcommand\fR, or \fBfull\fR). If
 788 set to \fBcommand\fR or \fBfull\fR, system will prompt for \fBPROM\fR security
 789 password. Defaults to \fBnone\fR.This property has no special meaning or
 790 behavior on x86 based systems.
 791 .RE

 793 .sp
 794 .ne 2
 795 .na
 796 \fBsecurity-password\fR
 797 .ad
 798 .sp .6
 799 .RS 4n
 800 Firmware security password (never displayed). Can be set only when
 801 \fBsecurity-mode\fR is set to \fBcommand\fR or \fBfull\fR.This property has no
 802 special meaning or behavior on x86 based systems.
 803 .sp
 804 .in +2
 805 .nf
 806 example# eeprom security-password=
 807 Changing PROM password:
 808 New password:
 809 Retype new password:
 810 .fi
 811 .in -2
 812 .sp

 814 .RE

 816 .sp
 817 .ne 2
 818 .na
 819 \fBselftest-#megs\fR
 820 .ad
 821 .sp .6
 822 .RS 4n
 823 Megabytes of \fBRAM\fR to test. Ignored if \fBdiag-switch?\fR is \fBtrue\fR.
 824 Defaults to \fB1\fR.
 825 .RE

 827 .sp
 828 .ne 2
 829 .na
 851 \fBsir-sync?\fR
```

```
 852 .ad
 853 .sp .6
 854 .RS 4n
 855 Specify \fBtrue\fR to invoke OpenBoot PROM's \fBsync\fR word after a
 856 software-initiated reset (\fBSIR\fR) trap. Defaults to \fBfalse\fR. (Sun
 857 Enterprise 10000 only.)
 858 .RE

 860 .sp
 861 .ne 2
 862 .na
 830 \fBskip-vme-loopback?\fR
 831 .ad
 832 .sp .6
 833 .RS 4n
 834 If \fBtrue\fR, POST does not do VMEbus loopback tests. Defaults to \fBfalse\fR.
 835 .RE

 837 .sp
 838 .ne 2
 839 .na
 840 \fBst-targets\fR
 841 .ad
 842 .sp .6
 843 .RS 4n
 844 Map \fBSCSI\fR tape units (OpenBoot PROM version 1.\fIx\fR only). Defaults to
 845 \fB45670123\fR, which means that unit 0 maps to target \fB4\fR, unit 1 maps to
 846 target \fB5\fR, and so on.
 847 .RE

 849 .sp
 850 .ne 2
 851 .na
 852 \fBsunmon-compat?\fR
 853 .ad
 854 .sp .6
 855 .RS 4n
 856 If \fBtrue\fR, display Restricted Monitor prompt (\|>). Defaults to
 857 \fBfalse\fR.
 858 .RE

 860 .sp
 861 .ne 2
 862 .na
 863 \fBtestarea\fR
 864 .ad
 865 .sp .6
 866 .RS 4n
 867 One-byte scratch field, available for read/write test. Defaults to \fB0\fR.
 868 .RE

 870 .sp
 871 .ne 2
 872 .na
 873 \fBtpe-link-test?\fR
 874 .ad
 875 .sp .6
 876 .RS 4n
 877 Enable 10baseT link test for built-in twisted pair Ethernet. Defaults to
 878 \fBtrue\fR.
 879 .RE

 881 .sp
 882 .ne 2
 883 .na
 884 \fBttya-mode\fR
```

```
 885 .ad
 886 .sp .6
 887 .RS 4n
 888 \fBTTYA\fR (baud rate, #bits, parity, #stop, handshake). Defaults to
 889 \fB9600,8,n,1,\(mi\fR.
 890 .sp
 891 Fields, in left-to-right order, are:
 892 .sp
 893 .ne 2
 894 .na
 895 \fBBaud rate:\fR
 896 .ad
 897 .sp .6
 898 .RS 4n
 899 110, 300, 1200, 4800, 9600\|.\|.\|.
 900 .RE

 902 .sp
 903 .ne 2
 904 .na
 905 \fBData bits:\fR
 906 .ad
 907 .sp .6
 908 .RS 4n
 909 5, 6, 7, 8
 910 .RE

 912 .sp
 913 .ne 2
 914 .na
 915 \fBParity:\fR
 916 .ad
 917 .sp .6
 918 .RS 4n
 919 n(none), e(even), o(odd), m(mark), s(space)
 920 .RE

 922 .sp
 923 .ne 2
 924 .na
 925 \fBStop bits:\fR
 926 .ad
 927 .sp .6
 928 .RS 4n
 929 1, 1.5, 2
 930 .RE

 932 .sp
 933 .ne 2
 934 .na
 935 \fBHandshake:\fR
 936 .ad
 937 .sp .6
 938 .RS 4n
 939 \(mi(none), h(hardware:rts/cts), s(software:xon/xoff)
 940 .RE

 942 .RE

 944 .sp
 945 .ne 2
 946 .na
 947 \fBtty\fIX\fR-mode\fR
 948 .ad
 949 .sp .6
 950 .RS 4n
```

```
 951 \fBTTYB, TTYC, or TTYD\fR (baud rate, #bits, parity, #stop, handshake). Defaults
 952 \fB9600,8,n,1,\(mi\fR.
 953 .sp
 954 Fields, in left-to-right order, are:
 955 .sp
 956 .ne 2
 957 .na
 958 \fBBaud rate:\fR
 959 .ad
 960 .sp .6
 961 .RS 4n
 962 110, 300, 1200, 4800, 9600\|.\|.\|.
 963 .RE

 965 .sp
 966 .ne 2
 967 .na
 968 \fBData bits:\fR
 969 .ad
 970 .sp .6
 971 .RS 4n
 972 5, 6, 7, 8
 973 .RE

 975 .sp
 976 .ne 2
 977 .na
 978 \fBStop bits:\fR
 979 .ad
 980 .sp .6
 981 .RS 4n
 982 1, 1.5, 2
 983 .RE

 985 .sp
 986 .ne 2
 987 .na
 988 \fBParity:\fR
 989 .ad
 990 .sp .6
 991 .RS 4n
 992 n(none), e(even), o(odd), m(mark), s(space)
 993 .RE

 995 .sp
 996 .ne 2
 997 .na
 998 \fBHandshake:\fR
 999 .ad
1000 .sp .6
1001 .RS 4n
1002 \(mi(none), h(hardware:rts/cts), s(software:xon/xoff)
1003 .RE

1005 .RE

1007 .sp
1008 .ne 2
1009 .na
1010 \fBttya-ignore-cd\fR
1011 .ad
1012 .sp .6
1013 .RS 4n
1014 If \fBtrue\fR, operating system ignores carrier-detect on TTYA. Defaults to
1015 \fBtrue\fR.
1016 .RE
```

```
1018 .sp
1019 .ne 2
1020 .na
1021 \fBtty\fIX\fR-ignore-cd\fR
1022 .ad
1023 .sp .6
1024 .RS 4n
1025 If \fBtrue\fR, operating system ignores carrier-detect on TTYB, TTYC, or TTYD.
1026 Defaults to \fBtrue\fR.
1027 .RE

1029 .sp
1030 .ne 2
1031 .na
1032 \fBttya-rts-dtr-off\fR
1033 .ad
1034 .sp .6
1035 .RS 4n
1036 If \fBtrue\fR, operating system does not assert DTR and RTS on TTYA. Defaults
1037 to \fBfalse\fR.
1038 .RE

1040 .sp
1041 .ne 2
1042 .na
1043 \fBtty\fIX\fR-rts-dtr-off\fR
1044 .ad
1045 .sp .6
1046 .RS 4n
1047 If \fBtrue\fR, operating system does not assert DTR and RTS on TTYB, TTYC,
1048 or TTYD. Defaults to \fBfalse\fR.
1049 .RE

1051 .sp
1052 .ne 2
1053 .na
1054 \fBuse-nvramrc?\fR
1055 .ad
1056 .sp .6
1057 .RS 4n
1058 If \fBtrue\fR, execute commands in \fBNVRAMRC\fR during system start-up.
1059 Defaults to \fBfalse\fR.
1060 .RE

1062 .sp
1063 .ne 2
1064 .na
1065 \fBverbosity\fR
1066 .ad
1067 .sp .6
1068 .RS 4n
1069 Controls the level of verbosity of PROM messages. Can be one of \fBdebug\fR,
1070 \fBmax\fR, \fBnormal\fR, \fBmin\fR, or \fBnone\fR. Defaults to \fBnormal\fR.
1071 .RE

1073 .sp
1074 .ne 2
1075 .na
1076 \fBversion2?\fR
1077 .ad
1078 .sp .6
1079 .RS 4n
1080 If \fBtrue\fR, hybrid (1.\fIx\fR/2.\fIx\fR) PROM comes up in version 2.\fIx\fR.
1081 Defaults to \fBtrue\fR.
1082 .RE
```

```
1084 .sp
1085 .ne 2
1086 .na
1087 \fBwatchdog-reboot?\fR
1088 .ad
1089 .sp .6
1090 .RS 4n
1091 If \fBtrue\fR, reboot after watchdog reset. Defaults to \fBfalse\fR.
1092 .RE

1127 .sp
1128 .ne 2
1129 .na
1130 \fBwatchdog-sync?\fR
1131 .ad
1132 .sp .6
1133 .RS 4n
1134 Specify \fBtrue\fR to invoke OpenBoot PROM's \fBsync\fR word after a watchdog
1135 reset trap. Defaults to \fBfalse\fR. ( Sun Enterprise 10000 only.)
1136 .RE

1138 .sp
1139 .ne 2
1140 .na
1141 \fBxir-sync?\fR
1142 .ad
1143 .sp .6
1144 .RS 4n
1145 Specify \fBtrue\fR to invoke OpenBoot PROM's \fBsync\fR word after an \fBXIR\fR
1146 trap. Defaults to \fBfalse\fR. (Sun Enterprise 10000 only.)
1147 .RE

1094 .SH EXAMPLES
1095 .LP
1096 \fBExample 1 \fRChanging the Number of Megabytes of RAM.
1097 .sp
1098 .LP
1099 The following example demonstrates the method for changing from one to two the
1100 number of megabytes of \fBRAM\fR that the system will test.

1102 .sp
1103 .in +2
1104 .nf
1105 example# \fBeeprom selftest-#megs\fR
1106 selftest-#megs=1

1108 example# eeprom selftest-#megs=2

1110 example# \fBeeprom selftest-#megs\fR
1111 selftest-#megs=2
1112 .fi
1113 .in -2
1114 .sp

1116 .LP
1117 \fBExample 2 \fRSetting the \fBauto-boot?\fR Parameter to \fBtrue\fR.
1118 .sp
1119 .LP
1120 The following example demonstrates the method for setting the \fBauto-boot?\fR
1121 parameter to \fBtrue\fR.

1123 .sp
1124 .in +2
1125 .nf
1126 example# \fBeeprom auto-boot?=true\fR
```

```
1127 .fi
1128 .in -2
1129 .sp

1131 .sp
1132 .LP
1133 When the \fBeeprom\fR command is executed in user mode, the parameters with a
1134 trailing question mark (?) need to be enclosed in double quotation marks (" ")
1135 to prevent the shell from interpreting the question mark. Preceding the
1136 question mark with an escape character (\fB\e\fR) will also prevent the shell
1137 from interpreting the question mark.

1139 .sp
1140 .in +2
1141 .nf
1142 \fBexample% eeprom "auto-boot?"=true\fR
1143 .fi
1144 .in -2
1145 .sp

1147 .LP
1148 \fBExample 3 \fRUsing \fBnetwork-boot-arguments\fR
1149 .sp
1150 .LP
1151 To use DHCP as the boot protocol and a hostname of \fBabcd.example.com\fR for
1152 network booting, set these values in \fBnetwork-boot-arguments\fR as:

1154 .sp
1155 .in +2
1156 .nf
1157 example# \fBeeprom network-boot-arguments="dhcp,hostname=abcd.example.com"\fR
1158 .fi
1159 .in -2
1160 .sp

1162 .sp
1163 .LP
1164 \&...then boot using the command:

1166 .sp
1167 .in +2
1168 .nf
1169 ok \fBboot net\fR
1170 .fi
1171 .in -2
1172 .sp

1174 .sp
1175 .LP
1176 Note that network boot arguments specified from the PROM command line cause the
1177 contents of \fBnetwork-boot-arguments\fR to be ignored. For example, with
1178 \fBnetwork-boot-arguments\fR set as shown above, the \fBboot\fR command:

1180 .sp
1181 .in +2
1182 .nf
1183 ok \fBboot net:dhcp\fR
1184 .fi
1185 .in -2
1186 .sp

1188 .sp
1189 .LP
1190 \&...causes DHCP to be used, but the \fBhostname\fR specified in
1191 \fBnetwork-boot-arguments\fR will not be used during network boot.
```

```
1193 .LP
1194 \fBExample 4 \fRSetting System Console to Auxiliary Device
1195 .sp
1196 .LP
1197 The command below assigns the device \fB/dev/term/a\fR as the system console
1198 device. You would make such an assignment prior to using \fBtip\fR(1) to
1199 establish a \fBtip\fR connection to a host.

1201 .sp
1202 .LP
1203 On a SPARC machine:

1205 .sp
1206 .in +2
1207 .nf
1208 # \fBeeprom output-device=/dev/term/a\fR
1209 .fi
1210 .in -2
1211 .sp

1213 .sp
1214 .LP
1215 On an x86 machine:

1217 .sp
1218 .in +2
1219 .nf
1220 # \fBeeprom console=ttya\fR
1221 .fi
1222 .in -2
1223 .sp

1225 .sp
1226 .LP
1227 On a SPARC machine, the preceding command would be sufficient for assigning the
1228 console to an auxiliary device. For an x86 machine, you might, in addition,
1229 need to set the characteristics of the serial line, for which you would have to
1230 consult the BIOS documentation for that machine. Also, on some x86 machines.,
1231 you might use a device other than device \fBa\fR, as shown above. For example,
1232 you could set console to \fBttyb\fR if the second serial port is present.

1234 .SH FILES
1235 .ne 2
1236 .na
1237 \fB\fB/boot/solaris/bootenv.rc\fR\fR
1238 .ad
1239 .sp .6
1240 .RS 4n
1241 File storing \fBeeprom\fR values on x86 machines.
1242 .RE

1244 .sp
1245 .ne 2
1246 .na
1247 \fB\fB/dev/openprom\fR\fR
1248 .ad
1249 .sp .6
1250 .RS 4n
1251 Device file
1252 .RE

1254 .sp
1255 .ne 2
1256 .na
1257 \fB\fB/usr/platform/\fR\fIplatform-name\fR\fB/sbin/eeprom\fR\fR
1258 .ad
```

```
1259 .sp .6
1260 .RS 4n
1261 Platform-specific version of \fBeeprom\fR. Use \fBuname\fR \fB-i\fR to obtain
1262 \fIplatform-name\fR.
1263 .RE

1265 .SH SEE ALSO
1266 .LP
1267 \fBpasswd\fR(1), \fBsh\fR(1), \fBsvcs\fR(1), \fBtip\fR(1), \fBuname\fR(1),
1268 \fBboot\fR(1M), \fBkadb\fR(1M), \fBkernel\fR(1M), \fBinit\fR(1M),
1269 \fBsvcadm\fR(1M), \fBattributes\fR(5), \fBsmf\fR(5)
1270 .sp
1271 .LP
1272 \fIOpenBoot 3.x Command Reference Manual\fR
1273 .sp
1274 .LP
1275 \fI\fR
```

```
*******************************************************
    2908 Sat Jun 15 05:47:36 2019
new/usr/src/man/man1m/prtdiag.1m
11244 Some man pages still refer to E10K
*******************************************************
    1 '\" te
    2 .\" Copyright 2019 Peter Tribble.
    3 .\"  Copyright 1989 AT&T Copyright (c) 2008, Sun Microsystems, Inc. All Rights R
    4 .\" The contents of this file are subject to the terms of the Common Development
    5 .\" You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE or http:
    6 .\" When distributing Covered Code, include this CDDL HEADER in each file and in
    7 .TH PRTDIAG 1M "Jun 13, 2019"
    6 .TH PRTDIAG 1M "Sep 2, 2008"
    8 .SH NAME
    9 prtdiag \- display system diagnostic information
   10 .SH SYNOPSIS
   11 .LP
   12 .nf
   13 \fB/usr/sbin/prtdiag\fR [\fB-v\fR] [\fB-l\fR]
   14 .fi

   16 .SH DESCRIPTION
   16 .sp
   17 .LP
   18 \fBprtdiag\fR displays system configuration and diagnostic information on
   19 \fBsun4u\fR, \fBsun4v\fR, and x86 systems.
   20 .sp
   21 .LP
   22 The diagnostic information lists any failed field replaceable units
   23 (\fBFRU\fRs) in the system.
   24 .sp
   25 .LP
   26 The interface, output, and location in the directory hierarchy for
   27 \fBprtdiag\fR are uncommitted and subject to change in future releases.
   28 .sp
   29 .LP
   30 \fBprtdiag\fR does not display diagnostic information and environmental status
   31 when executed on the Sun Enterprise 10000 server. See the
   32 \fB/var/opt/SUNWssp/adm/${SUNW_HOSTNAME}/messages\fR file on the system service
   33 processor (SSP) to obtain such information for this server.
   28 .SH OPTIONS
   35 .sp
   29 .LP
   30 The following options are supported:
   31 .sp
   32 .ne 2
   33 .na
   34 \fB\fB-l\fR\fR
   35 .ad
   36 .RS 6n
   37 Log output. If failures or errors exist in the system, output this information
   38 to \fBsyslogd\fR(1M) only.
   39 .RE

   41 .sp
   42 .ne 2
   43 .na
   44 \fB\fB-v\fR\fR
   45 .ad
   46 .RS 6n
   47 Verbose mode. Displays the time of the most recent \fBAC\fR Power failure, and
   48 the most recent hardware fatal error information, and (if applicable)
   49 environmental status. The hardware fatal error information is useful to repair
   50 and manufacturing for detailed diagnostics of \fBFRU\fRs.
   51 .RE
```

```
   53 .SH EXIT STATUS
   61 .sp
   54 .LP
   55 The following exit values are returned:
   56 .sp
   57 .ne 2
   58 .na
   59 \fB\fB0\fR\fR
   60 .ad
   61 .RS 5n
   62 No failures or errors are detected in the system.
   63 .RE

   65 .sp
   66 .ne 2
   67 .na
   68 \fB\fB1\fR\fR
   69 .ad
   70 .RS 5n
   71 Failures or errors are detected in the system.
   72 .RE

   74 .sp
   75 .ne 2
   76 .na
   77 \fB\fB2\fR\fR
   78 .ad
   79 .RS 5n
   80 An internal \fBprtdiag\fR error occurred, for example, out of memory.
   81 .RE

   83 .SH ATTRIBUTES
   92 .sp
   84 .LP
   85 See \fBattributes\fR(5) for descriptions of the following attributes:
   86 .sp

   88 .sp
   89 .TS
   90 box;
   91 c | c
   92 l | l .
   93 ATTRIBUTE TYPE  ATTRIBUTE VALUE
   94 _
   95 Interface Stability     Unstable*
   96 .TE

   98 .sp
   99 .LP
  100 *The output is unstable.
  101 .SH SEE ALSO
  111 .sp
  102 .LP
  103 \fBmodinfo\fR(1M), \fBprtconf\fR(1M), \fBpsrinfo\fR(1M), \fBsysdef\fR(1M),
  104 \fBsyslogd\fR(1M), \fBattributes\fR(5), \fBopenprom\fR(7D)
  105 .SH NOTES
  116 .sp
  106 .LP
  107 Not all diagnostic and system information is available on every
  118 Not all diagnostic and system information is available on every Solaris
  108 platform, and therefore cannot be displayed by \fBprtdiag\fR. On those
  109 platforms, further information can be obtained from the System Controller.
```

```
*********************************************************
   4356 Sat Jun 15 05:47:36 2019
new/usr/src/man/man7d/Makefile
11244 Some man pages still refer to E10K
*********************************************************
   1 #
   2 # This file and its contents are supplied under the terms of the
   3 # Common Development and Distribution License ("CDDL"), version 1.0.
   4 # You may only use this file in accordance with the terms of version
   5 # 1.0 of the CDDL.
   6 #
   7 # A full copy of the text of the CDDL should have accompanied this
   8 # source.  A copy of the CDDL is also available via the Internet
   9 # at http://www.illumos.org/license/CDDL.
  10 #

  12 #
  13 # Copyright 2011, Richard Lowe
  14 # Copyright 2016 Garrett D'Amore <garrett@damore.org>
  15 # Copyright (c) 2017, Joyent, Inc.
  16 # Copyright 2016 Hans Rosenfeld <rosenfeld@grumpf.hope-2000.org>
  17 # Copyright 2018 Nexenta Systems, Inc.
  18 # Copyright 2019 Peter Tribble
  19 #

  21 include         $(SRC)/Makefile.master

  23 MANSECT=        7d

  25 _MANFILES=      aac.7d          \
  26                 afe.7d          \
  27                 audio.7d        \
  28                 audio1575.7d    \
  29                 audioens.7d     \
  30                 audiols.7d      \
  31                 audiop16x.7d    \
  32                 audiopci.7d     \
  33                 audiots.7d      \
  34                 av1394.7d       \
  35                 bge.7d          \
  36                 blkdev.7d       \
  37                 bnxe.7d         \
  38                 bscv.7d         \
  39                 chxge.7d        \
  40                 console.7d      \
  41                 cpuid.7d        \
  42                 dca.7d          \
  43                 dcam1394.7d     \
  44                 devinfo.7d      \
  45                 dmfe.7d         \
  46                 dtrace.7d       \
  47                 ehci.7d         \
  48                 fasttrap.7d     \
  49                 fbt.7d          \
  50                 fcip.7d         \
  51                 fcoe.7d         \
  52                 fcoei.7d        \
  53                 fcoet.7d        \
  54                 fcp.7d          \
  55                 fctl.7d         \
  56                 fd.7d           \
  57                 fp.7d           \
  58                 full.7d         \
  59                 gld.7d          \
  60                 hci1394.7d      \
  61                 hermon.7d       \
```

```
  62                 hid.7d          \
  63                 hme.7d          \
  64                 hubd.7d         \
  65                 hxge.7d         \
  66                 ib.7d           \
  67                 ibcm.7d         \
  68                 ibd.7d          \
  69                 ibdm.7d         \
  70                 ibdma.7d        \
  71                 ibtl.7d         \
  72                 ieee1394.7d     \
  73                 igb.7d          \
  74                 ipnet.7d        \
  75                 iscsi.7d        \
  76                 iser.7d         \
  77                 ixgbe.7d        \
  78                 kmdb.7d         \
  79                 kstat.7d        \
  80                 ksyms.7d        \
  81                 llc1.7d         \
  82                 lockstat.7d     \
  83                 lofi.7d         \
  84                 log.7d          \
  85                 mem.7d          \
  86                 mpt_sas.7d      \
  87                 mr_sas.7d       \
  88                 msglog.7d       \
  89                 mt.7d           \
  90                 mxfe.7d         \
  91                 myri10ge.7d     \
  92                 null.7d         \
  93                 nulldriver.7d   \
  94                 nxge.7d         \
  95                 ohci.7d         \
  96                 openprom.7d     \
  97                 pcic.7d         \
  98                 pcmcia.7d       \
  99                 physmem.7d      \
 100                 pm.7d           \
 101                 poll.7d         \
 102                 profile.7d      \
 103                 ptm.7d          \
 104                 pts.7d          \
 105                 pty.7d          \
 106                 qlc.7d          \
 107                 ramdisk.7d      \
 108                 random.7d       \
 109                 rge.7d          \
 110                 rtls.7d         \
 111                 sad.7d          \
 112                 sata.7d         \
 113                 scsa1394.7d     \
 114                 scsa2usb.7d     \
 115                 sd.7d           \
 116                 sdp.7d          \
 117                 sdt.7d          \
 118                 ses.7d          \
 119                 sfe.7d          \
 120                 sgen.7d         \
 121                 srpt.7d         \
 122                 st.7d           \
 123                 sysmsg.7d       \
 124                 systrace.7d     \
 125                 ticlts.7d       \
 126                 tty.7d          \
 127                 ttymux.7d       \
```

```
128                    tzmon.7d         \
129                    ugen.7d          \
130                    uhci.7d          \
131                    usb_ac.7d        \
132                    usb_as.7d        \
133                    usb_ia.7d        \
134                    usb_mid.7d       \
135                    usba.7d          \
136                    usbftdi.7d       \
137                    usbprn.7d        \
138                    usbsacm.7d       \
139                    usbsksp.7d       \
140                    usbsprl.7d       \
141                    usbvc.7d         \
142                    virtualkm.7d     \
143                    vni.7d           \
144                    vr.7d            \
145                    wscons.7d        \
146                    xge.7d           \
147                    yge.7d           \
148                    zcons.7d         \
149                    zero.7d

151 sparc_MANFILES= audiocs.7d          \
152                    bbc_beep.7d      \
153                    ctsmc.7d         \
154                    dad.7d           \
155                    dm2s.7d          \
156                    dr.7d            \
157                    eri.7d           \
158                    fas.7d           \
159                    gpio_87317.7d    \
160                    grbeep.7d        \
161                    mc-opl.7d        \
162                    n2rng.7d         \
163                    ncp.7d           \
164                    ntwdt.7d         \
165                    oplkmdrv.7d      \
166                    oplmsu.7d        \
167                    oplpanel.7d      \
168                    pcicmu.7d        \
169                    pcipsy.7d        \
170                    pcisch.7d        \
171                    sf.7d            \
172                    smbus.7d         \
173                    socal.7d         \
174                    ssd.7d           \
175                    su.7d            \
176                    todopl.7d        \
177                    tsalarm.7d       \
178                    zs.7d            \
179                    zsh.7d

181 i386_MANFILES= ahci.7d             \
182                    amd8111s.7d      \
183                    amr.7d           \
184                    arcmsr.7d        \
185                    arn.7d           \
186                    asy.7d           \
187                    ata.7d           \
188                    atge.7d          \
189                    ath.7d           \
190                    atu.7d           \
191                    audio810.7d      \
192                    audiocmi.7d      \
193                    audiocmihd.7d    \
```

```
194                    audioemu10k.7d   \
195                    audiohd.7d       \
196                    audioixp.7d      \
197                    audiosolo.7d     \
198                    audiovia823x.7d  \
199                    bcm_sata.7d      \
200                    bfe.7d           \
201                    cmdk.7d          \
202                    cpqary3.7d       \
203                    dnet.7d          \
204                    ecpp.7d          \
205                    elxl.7d          \
206                    i40e.7d          \
207                    ipmi.7d          \
208                    iprb.7d          \
209                    ipw.7d           \
210                    iwh.7d           \
211                    iwi.7d           \
212                    iwn.7d           \
213                    mega_sas.7d      \
214                    npe.7d           \
215                    ntxn.7d          \
216                    nv_sata.7d       \
217                    nvme.7d          \
218                    pcn.7d           \
219                    qede.7d          \
220                    ral.7d           \
221                    rtw.7d           \
222                    rum.7d           \
223                    rwd.7d           \
224                    rwn.7d           \
225                    sda.7d           \
226                    sdhost.7d        \
227                    sfxge.7d         \
228                    si3124.7d        \
229                    skd.7d           \
230                    smbios.7d        \
231                    uath.7d          \
232                    ural.7d          \
233                    urtw.7d          \
234                    wpi.7d           \
235                    xhci.7d          \
236                    zyd.7d

238 _MANLINKS=       1394.7d            \
239                    allkmem.7d       \
240                    bscbus.7d        \
241                    fdc.7d           \
242                    firewire.7d      \
243                    i2bsc.7d         \
244                    kmem.7d          \
245                    lo0.7d           \
246                    ticots.7d        \
247                    ticotsord.7d     \
248                    urandom.7d       \
249                    usb.7d
```

```
251 sparc_MANLINKS= drmach.7d
251 sparc_MANLINKS= drmach.7d              \
252                    ngdr.7d            \
253                    ngdrmach.7d

253 MANFILES =       $(_MANFILES) $($(MACH)_MANFILES)
254 MANLINKS =       $(_MANLINKS) $($(MACH)_MANLINKS)

256 bscbus.7d        := LINKSRC = bscv.7d
```

```
257 i2bsc.7d        := LINKSRC = bscv.7d

259 drmach.7d       := LINKSRC = dr.7d
262 ngdr.7d         := LINKSRC = dr.7d
263 ngdrmach.7d     := LINKSRC = dr.7d

261 fdc.7d          := LINKSRC = fd.7d

263 1394.7d         := LINKSRC = ieee1394.7d
264 firewire.7d     := LINKSRC = ieee1394.7d

266 lo0.7d          := LINKSRC = ipnet.7d

268 allkmem.7d      := LINKSRC = mem.7d
269 kmem.7d         := LINKSRC = mem.7d

271 urandom.7d      := LINKSRC = random.7d

273 ticots.7d       := LINKSRC = ticlts.7d
274 ticotsord.7d    := LINKSRC = ticlts.7d

276 usb.7d          := LINKSRC = usba.7d

278 .KEEP_STATE:

280 include         $(SRC)/man/Makefile.man

282 install:        $(ROOTMANFILES) $(ROOTMANLINKS)
```

```
**********************************************************
   1682 Sat Jun 15 05:47:36 2019
new/usr/src/man/man7d/dr.7d
11244 Some man pages still refer to E10K
**********************************************************
   1 '\" te
   2 .\" Copyright 2019 Peter Tribble.
   3 .\"  Copyright (c) 2001 Sun Microsystems, Inc.  All Rights Reserved
   4 .\" The contents of this file are subject to the terms of the Common Development
   5 .\" You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE or http:
   6 .\" When distributing Covered Code, include this CDDL HEADER in each file and in
   7 .TH DR 7D "Jun 13, 2019"
   6 .TH DR 7D "Sep 29, 2003"
   8 .SH NAME
   9 dr, drmach \- dynamic reconfiguration driver
   8 dr, drmach, ngdr, ngdrmach \- Sun Enterprise 10000  dynamic reconfiguration
   9 driver
  10 .SH SYNOPSIS
  11 .LP
  12 .nf
  13 \fBdr\fR
  14 .fi

  16 .LP
  17 .nf
  18 \fBdrmach\fR
  19 .fi

  21 .LP
  22 .nf
  23 \fBngdr\fR
  24 .fi

  26 .LP
  27 .nf
  28 \fBngdrmach\fR
  29 .fi

  21 .SH DESCRIPTION
  32 .sp
  22 .LP
  23 The dynamic reconfiguration (DR) driver consists of a platform-independent
  24 driver and a platform-specific module. The DR driver uses standard features of
  25 the Solaris operating environment whenever possible to control DR operations
  26 and calls the platform specific module as needed. The DR driver creates minor
  27 nodes in the file system that serve as attachment points for DR operations.
  28 .sp
  29 .LP
  30 The DR driver provides a pseudo-driver interface to sequence attach and detach
  31 operations on system boards using file system entry points referred to as
  32 "attachment points." The attachment point form depends on the platform.
  44 .SS "Sun Enterprise 10000 Server"
  45 .sp
  46 .LP
  47 On the Sun Enterprise 10000 server, the DR driver consists of a
  48 platform-independent driver (\fBngdr\fR) and a platform-specific module
  49 (\fBngdrmach\fR).
  50 .sp
  51 .LP
  52 The domain configuration server (DCS) accepts DR requests from the system
  53 services processor (SSP) and uses the \fBlibcfgadm\fR(3LIB) interface to
  54 initiate the DR operation. After the operation is performed, the results are
  55 returned to the SSP. For more information about the DCS on the Sun Enterprise
  56 10000, refer to the \fBdcs\fR(1M) man page and the \fISun Enterprise 10000
  57 Dynamic Reconfiguration User Guide\fR.
  58 .sp
```

```
  59 .LP
  60 The DR driver creates physical attachment points for system board slots that
  61 takes the following form:
  62 .sp
  63 .in +2
  64 .nf
  65 /devices/pseudo/ngdr@0:SB\fIx\fR
  66 .fi
  67 .in -2

  69 .sp
  70 .LP
  71 Where \fIx\fR represents the slot number (0 to 15) for a particular board.
  72 .sp
  73 .LP
  74 The \fBcfgadm_sbd\fR(1M) plugin creates dynamic attachment points that refer to
  75 components on system boards, including CPUs, memory, or I/O devices. Refer to
  76 the \fBcfgadm_sbd\fR(1M) man page for more details.
  33 .SH SEE ALSO
  78 .sp
  34 .LP
  35 \fBioctl\fR(2), \fBlibcfgadm(3LIB)\fR
  80 \fBcfgadm_sbd\fR(1M), \fBioctl\fR(2), \fBlibcfgadm(3LIB)\fR
  81 .sp
  82 .LP
  83 \fISun Enterprise 10000 Dynamic Reconfiguration User Guide\fR
```

```
   1 #
   2 # CDDL HEADER START
   3 #
   4 # The contents of this file are subject to the terms of the
   5 # Common Development and Distribution License (the "License").
   6 # You may not use this file except in compliance with the License.
   7 #
   8 # You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
   9 # or http://www.opensolaris.org/os/licensing.
  10 # See the License for the specific language governing permissions
  11 # and limitations under the License.
  12 #
  13 # When distributing Covered Code, include this CDDL HEADER in each
  14 # file and include the License file at usr/src/OPENSOLARIS.LICENSE.
  15 # If applicable, add the following below this CDDL HEADER, with the
  16 # fields enclosed by brackets "[]" replaced with your own identifying
  17 # information: Portions Copyright [yyyy] [name of copyright owner]
  18 #
  19 # CDDL HEADER END
  20 #

  22 #
  23 # Copyright (c) 2010, Oracle and/or its affiliates. All rights reserved.
  24 # Copyright 2012 Nexenta Systems, Inc. All rights reserved.
  25 # Copyright 2014 Gary Mills
  26 # Copyright 2019 Peter Tribble.
  27 #

  29 #
  30 # The default for payload-bearing actions in this package is to appear in the
  31 # global zone only.  See the include file for greater detail, as well as
  32 # information about overriding the defaults.
  33 #
  34 <include global_zone_only_component>
  35 set name=pkg.fmri value=pkg:/system/kernel/platform@$(PKGVERS)
  36 set name=pkg.description \
  37     value="core kernel software for a specific hardware platform group"
  38 set name=pkg.summary value="Core Solaris Kernel Architecture"
  39 set name=info.classification value=org.opensolaris.category.2008:System/Core
  40 set name=variant.arch value=$(ARCH)
  41 dir path=platform group=sys
  42 $(sparc_ONLY)dir path=platform/SUNW,A70 group=sys
  43 $(sparc_ONLY)dir path=platform/SUNW,A70/kernel group=sys
  44 $(sparc_ONLY)dir path=platform/SUNW,A70/kernel/crypto group=sys
  45 $(sparc_ONLY)dir path=platform/SUNW,A70/kernel/crypto/$(ARCH64) group=sys
  46 $(sparc_ONLY)dir path=platform/SUNW,A70/kernel/drv group=sys
  47 $(sparc_ONLY)dir path=platform/SUNW,A70/kernel/misc group=sys
  48 $(sparc_ONLY)dir path=platform/SUNW,A70/kernel/misc/$(ARCH64) group=sys
  49 $(sparc_ONLY)dir path=platform/SUNW,Netra-CP2300 group=sys
  50 $(sparc_ONLY)dir path=platform/SUNW,Netra-CP2300/kernel group=sys
  51 $(sparc_ONLY)dir path=platform/SUNW,Netra-CP2300/kernel/misc group=sys
  52 $(sparc_ONLY)dir path=platform/SUNW,Netra-CP2300/kernel/misc/$(ARCH64) \
  53     group=sys
  54 $(sparc_ONLY)dir path=platform/SUNW,Netra-CP2300/kernel/tod group=sys
  55 $(sparc_ONLY)dir path=platform/SUNW,Netra-CP2300/kernel/tod/$(ARCH64) \
  56     group=sys
  57 $(sparc_ONLY)dir path=platform/SUNW,Netra-CP3010 group=sys
  58 $(sparc_ONLY)dir path=platform/SUNW,Netra-CP3010/kernel group=sys
  59 $(sparc_ONLY)dir path=platform/SUNW,Netra-CP3010/kernel/crypto group=sys
  60 $(sparc_ONLY)dir path=platform/SUNW,Netra-CP3010/kernel/crypto/$(ARCH64) \
  61     group=sys
```

```
  62 $(sparc_ONLY)dir path=platform/SUNW,Netra-CP3010/kernel/misc group=sys
  63 $(sparc_ONLY)dir path=platform/SUNW,Netra-CP3010/kernel/misc/$(ARCH64) \
  64     group=sys
  65 $(sparc_ONLY)dir path=platform/SUNW,Netra-T12 group=sys
  66 $(sparc_ONLY)dir path=platform/SUNW,Netra-T12/kernel group=sys
  67 $(sparc_ONLY)dir path=platform/SUNW,Netra-T12/kernel/crypto group=sys
  68 $(sparc_ONLY)dir path=platform/SUNW,Netra-T12/kernel/crypto/$(ARCH64) \
  69     group=sys
  70 $(sparc_ONLY)dir path=platform/SUNW,Netra-T12/kernel/drv group=sys
  71 $(sparc_ONLY)dir path=platform/SUNW,Netra-T12/kernel/drv/$(ARCH64) group=sys
  72 $(sparc_ONLY)dir path=platform/SUNW,Netra-T12/kernel/misc group=sys
  73 $(sparc_ONLY)dir path=platform/SUNW,Netra-T12/kernel/misc/$(ARCH64) group=sys
  74 $(sparc_ONLY)dir path=platform/SUNW,Netra-T4 group=sys
  75 $(sparc_ONLY)dir path=platform/SUNW,Netra-T4/kernel group=sys
  76 $(sparc_ONLY)dir path=platform/SUNW,Netra-T4/kernel/crypto group=sys
  77 $(sparc_ONLY)dir path=platform/SUNW,Netra-T4/kernel/crypto/$(ARCH64) group=sys
  78 $(sparc_ONLY)dir path=platform/SUNW,Netra-T4/kernel/drv group=sys
  79 $(sparc_ONLY)dir path=platform/SUNW,Netra-T4/kernel/drv/$(ARCH64) group=sys
  80 $(sparc_ONLY)dir path=platform/SUNW,Netra-T4/kernel/misc group=sys
  81 $(sparc_ONLY)dir path=platform/SUNW,Netra-T4/kernel/misc/$(ARCH64) group=sys
  82 $(sparc_ONLY)dir path=platform/SUNW,SPARC-Enterprise group=sys
  83 $(sparc_ONLY)dir path=platform/SUNW,SPARC-Enterprise/kernel group=sys
  84 $(sparc_ONLY)dir path=platform/SUNW,SPARC-Enterprise/kernel/$(ARCH64) \
  85     group=sys
  86 $(sparc_ONLY)dir path=platform/SUNW,SPARC-Enterprise/kernel/cpu group=sys
  87 $(sparc_ONLY)dir path=platform/SUNW,SPARC-Enterprise/kernel/cpu/$(ARCH64) \
  88     group=sys
  89 $(sparc_ONLY)dir path=platform/SUNW,SPARC-Enterprise/kernel/crypto group=sys
  90 $(sparc_ONLY)dir path=platform/SUNW,SPARC-Enterprise/kernel/crypto/$(ARCH64) \
  91     group=sys
  92 $(sparc_ONLY)dir path=platform/SUNW,SPARC-Enterprise/kernel/drv group=sys
  93 $(sparc_ONLY)dir path=platform/SUNW,SPARC-Enterprise/kernel/drv/$(ARCH64) \
  94     group=sys
  95 $(sparc_ONLY)dir path=platform/SUNW,SPARC-Enterprise/kernel/misc group=sys
  96 $(sparc_ONLY)dir path=platform/SUNW,SPARC-Enterprise/kernel/misc/$(ARCH64) \
  97     group=sys
  98 $(sparc_ONLY)dir path=platform/SUNW,Serverblade1 group=sys
  99 $(sparc_ONLY)dir path=platform/SUNW,Serverblade1/kernel group=sys
 100 $(sparc_ONLY)dir path=platform/SUNW,Serverblade1/kernel/drv group=sys
 101 $(sparc_ONLY)dir path=platform/SUNW,Serverblade1/kernel/drv/$(ARCH64) \
 102     group=sys
 103 $(sparc_ONLY)dir path=platform/SUNW,Serverblade1/kernel/misc group=sys
 104 $(sparc_ONLY)dir path=platform/SUNW,Serverblade1/kernel/misc/$(ARCH64) \
 105     group=sys
 106 $(sparc_ONLY)dir path=platform/SUNW,Sun-Blade-100 group=sys
 107 $(sparc_ONLY)dir path=platform/SUNW,Sun-Blade-100/kernel group=sys
 108 $(sparc_ONLY)dir path=platform/SUNW,Sun-Blade-100/kernel/drv group=sys
 109 $(sparc_ONLY)dir path=platform/SUNW,Sun-Blade-100/kernel/drv/$(ARCH64) \
 110     group=sys
 111 $(sparc_ONLY)dir path=platform/SUNW,Sun-Blade-100/kernel/misc group=sys
 112 $(sparc_ONLY)dir path=platform/SUNW,Sun-Blade-100/kernel/misc/$(ARCH64) \
 113     group=sys
 114 $(sparc_ONLY)dir path=platform/SUNW,Sun-Blade-1000 group=sys
 115 $(sparc_ONLY)dir path=platform/SUNW,Sun-Blade-1000/kernel group=sys
 116 $(sparc_ONLY)dir path=platform/SUNW,Sun-Blade-1000/kernel/crypto group=sys
 117 $(sparc_ONLY)dir path=platform/SUNW,Sun-Blade-1000/kernel/crypto/$(ARCH64) \
 118     group=sys
 119 $(sparc_ONLY)dir path=platform/SUNW,Sun-Blade-1000/kernel/drv group=sys
 120 $(sparc_ONLY)dir path=platform/SUNW,Sun-Blade-1000/kernel/drv/$(ARCH64) \
 121     group=sys
 122 $(sparc_ONLY)dir path=platform/SUNW,Sun-Blade-1000/kernel/misc group=sys
 123 $(sparc_ONLY)dir path=platform/SUNW,Sun-Blade-1000/kernel/misc/$(ARCH64) \
 124     group=sys
 125 $(sparc_ONLY)dir path=platform/SUNW,Sun-Blade-1500 group=sys
 126 $(sparc_ONLY)dir path=platform/SUNW,Sun-Blade-1500/kernel group=sys
 127 $(sparc_ONLY)dir path=platform/SUNW,Sun-Blade-1500/kernel/crypto group=sys
```

```
128 $(sparc_ONLY)dir path=platform/SUNW,Sun-Blade-1500/kernel/crypto/$(ARCH64) \
129     group=sys
130 $(sparc_ONLY)dir path=platform/SUNW,Sun-Blade-1500/kernel/drv group=sys
131 $(sparc_ONLY)dir path=platform/SUNW,Sun-Blade-1500/kernel/misc group=sys
132 $(sparc_ONLY)dir path=platform/SUNW,Sun-Blade-1500/kernel/misc/$(ARCH64) \
133     group=sys
134 $(sparc_ONLY)dir path=platform/SUNW,Sun-Blade-2500 group=sys
135 $(sparc_ONLY)dir path=platform/SUNW,Sun-Blade-2500/kernel group=sys
136 $(sparc_ONLY)dir path=platform/SUNW,Sun-Blade-2500/kernel/crypto group=sys
137 $(sparc_ONLY)dir path=platform/SUNW,Sun-Blade-2500/kernel/crypto/$(ARCH64) \
138     group=sys
139 $(sparc_ONLY)dir path=platform/SUNW,Sun-Blade-2500/kernel/drv group=sys
140 $(sparc_ONLY)dir path=platform/SUNW,Sun-Blade-2500/kernel/misc group=sys
141 $(sparc_ONLY)dir path=platform/SUNW,Sun-Blade-2500/kernel/misc/$(ARCH64) \
142     group=sys
143 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire group=sys
144 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-280R group=sys
145 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-280R/kernel group=sys
146 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-280R/kernel/crypto group=sys
147 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-280R/kernel/crypto/$(ARCH64) \
148     group=sys
149 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-280R/kernel/drv group=sys
150 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-280R/kernel/drv/$(ARCH64) \
151     group=sys
152 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-280R/kernel/misc group=sys
153 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-280R/kernel/misc/$(ARCH64) \
154     group=sys
155 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-480R group=sys
156 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-480R/kernel group=sys
157 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-480R/kernel/crypto group=sys
158 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-480R/kernel/crypto/$(ARCH64) \
159     group=sys
160 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-480R/kernel/misc group=sys
161 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-480R/kernel/misc/$(ARCH64) \
162     group=sys
163 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-880 group=sys
164 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-880/kernel group=sys
165 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-880/kernel/crypto group=sys
166 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-880/kernel/crypto/$(ARCH64) \
167     group=sys
168 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-880/kernel/drv group=sys
169 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-880/kernel/drv/$(ARCH64) \
170     group=sys
171 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-880/kernel/misc group=sys
172 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-880/kernel/misc/$(ARCH64) \
173     group=sys
174 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-T200 group=sys
175 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-T200/kernel group=sys
176 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-T200/kernel/drv group=sys
177 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-T200/kernel/drv/$(ARCH64) \
178     group=sys
179 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-V215 group=sys
180 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-V215/kernel group=sys
181 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-V215/kernel/crypto group=sys
182 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-V215/kernel/crypto/$(ARCH64) \
183     group=sys
184 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-V215/kernel/drv group=sys
185 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-V215/kernel/misc group=sys
186 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-V215/kernel/misc/$(ARCH64) \
187     group=sys
188 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-V240 group=sys
189 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-V240/kernel group=sys
190 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-V240/kernel/crypto group=sys
191 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-V240/kernel/crypto/$(ARCH64) \
192     group=sys
193 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-V240/kernel/drv group=sys
```

```
194 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-V240/kernel/drv/$(ARCH64) \
195     group=sys
196 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-V240/kernel/misc group=sys
197 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-V240/kernel/misc/$(ARCH64) \
198     group=sys
199 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-V250 group=sys
200 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-V250/kernel group=sys
201 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-V250/kernel/crypto group=sys
202 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-V250/kernel/crypto/$(ARCH64) \
203     group=sys
204 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-V250/kernel/misc group=sys
205 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-V250/kernel/misc/$(ARCH64) \
206     group=sys
207 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-V440 group=sys
208 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-V440/kernel group=sys
209 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-V440/kernel/crypto group=sys
210 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-V440/kernel/crypto/$(ARCH64) \
211     group=sys
212 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-V440/kernel/drv group=sys
213 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-V440/kernel/drv/$(ARCH64) \
214     group=sys
215 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-V440/kernel/misc group=sys
216 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-V440/kernel/misc/$(ARCH64) \
217     group=sys
218 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-V445 group=sys
219 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-V445/kernel group=sys
220 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-V445/kernel/crypto group=sys
221 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-V445/kernel/crypto/$(ARCH64) \
222     group=sys
223 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-V445/kernel/misc group=sys
224 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire-V445/kernel/misc/$(ARCH64) \
225     group=sys
226 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire/kernel group=sys
227 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire/kernel/$(ARCH64) group=sys
228 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire/kernel/cpu group=sys
229 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire/kernel/cpu/$(ARCH64) group=sys
230 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire/kernel/crypto group=sys
231 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire/kernel/crypto/$(ARCH64) group=sys
232 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire/kernel/drv group=sys
233 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire/kernel/drv/$(ARCH64) group=sys
234 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire/kernel/misc group=sys
235 $(sparc_ONLY)dir path=platform/SUNW,Sun-Fire/kernel/misc/$(ARCH64) group=sys
236 $(sparc_ONLY)dir path=platform/SUNW,Ultra-250 group=sys
237 $(sparc_ONLY)dir path=platform/SUNW,Ultra-250/kernel group=sys
238 $(sparc_ONLY)dir path=platform/SUNW,Ultra-250/kernel/drv group=sys
239 $(sparc_ONLY)dir path=platform/SUNW,Ultra-250/kernel/drv/$(ARCH64) group=sys
240 $(sparc_ONLY)dir path=platform/SUNW,Ultra-250/kernel/misc group=sys
241 $(sparc_ONLY)dir path=platform/SUNW,Ultra-250/kernel/misc/$(ARCH64) group=sys
242 $(sparc_ONLY)dir path=platform/SUNW,Ultra-4 group=sys
243 $(sparc_ONLY)dir path=platform/SUNW,Ultra-4/kernel group=sys
244 $(sparc_ONLY)dir path=platform/SUNW,Ultra-4/kernel/drv group=sys
245 $(sparc_ONLY)dir path=platform/SUNW,Ultra-4/kernel/drv/$(ARCH64) group=sys
246 $(sparc_ONLY)dir path=platform/SUNW,Ultra-4/kernel/misc group=sys
247 $(sparc_ONLY)dir path=platform/SUNW,Ultra-4/kernel/misc/$(ARCH64) group=sys
248 $(sparc_ONLY)dir path=platform/SUNW,Ultra-5_10 group=sys
249 $(sparc_ONLY)dir path=platform/SUNW,Ultra-5_10/kernel group=sys
250 $(sparc_ONLY)dir path=platform/SUNW,Ultra-5_10/kernel/misc group=sys
251 $(sparc_ONLY)dir path=platform/SUNW,Ultra-5_10/kernel/misc/$(ARCH64) group=sys
252 $(sparc_ONLY)dir path=platform/SUNW,Ultra-80 group=sys
253 $(sparc_ONLY)dir path=platform/SUNW,Ultra-80/kernel group=sys
254 $(sparc_ONLY)dir path=platform/SUNW,Ultra-80/kernel/misc group=sys
255 $(sparc_ONLY)dir path=platform/SUNW,Ultra-80/kernel/misc/$(ARCH64) group=sys
256 $(sparc_ONLY)dir path=platform/SUNW,Ultra-Enterprise group=sys
257 $(sparc_ONLY)dir path=platform/SUNW,Ultra-Enterprise/kernel group=sys
258 $(sparc_ONLY)dir path=platform/SUNW,Ultra-Enterprise/kernel/drv group=sys
259 $(sparc_ONLY)dir path=platform/SUNW,Ultra-Enterprise/kernel/drv/$(ARCH64) \
```

```
260      group=sys
261 $(sparc_ONLY)dir path=platform/SUNW,Ultra-Enterprise/kernel/misc group=sys
262 $(sparc_ONLY)dir path=platform/SUNW,Ultra-Enterprise/kernel/misc/$(ARCH64) \
263      group=sys
264 $(sparc_ONLY)dir path=platform/SUNW,UltraAX-i2 group=sys
265 $(sparc_ONLY)dir path=platform/SUNW,UltraAX-i2/kernel group=sys
266 $(sparc_ONLY)dir path=platform/SUNW,UltraAX-i2/kernel/misc group=sys
267 $(sparc_ONLY)dir path=platform/SUNW,UltraAX-i2/kernel/misc/$(ARCH64) group=sys
268 $(i386_ONLY)dir path=platform/i86pc group=sys
269 $(i386_ONLY)dir path=platform/i86pc/$(ARCH64) group=sys
270 $(i386_ONLY)dir path=platform/i86pc/kernel group=sys
271 $(i386_ONLY)dir path=platform/i86pc/kernel/$(ARCH64) group=sys
272 $(i386_ONLY)dir path=platform/i86pc/kernel/cpu group=sys
273 $(i386_ONLY)dir path=platform/i86pc/kernel/cpu/$(ARCH64) group=sys
274 $(i386_ONLY)dir path=platform/i86pc/kernel/dacf group=sys
275 $(i386_ONLY)dir path=platform/i86pc/kernel/dacf/$(ARCH64) group=sys
276 $(i386_ONLY)dir path=platform/i86pc/kernel/drv group=sys
277 $(i386_ONLY)dir path=platform/i86pc/kernel/drv/$(ARCH64) group=sys
278 $(i386_ONLY)dir path=platform/i86pc/kernel/mach group=sys
279 $(i386_ONLY)dir path=platform/i86pc/kernel/mach/$(ARCH64) group=sys
280 $(i386_ONLY)dir path=platform/i86pc/kernel/misc group=sys
281 $(i386_ONLY)dir path=platform/i86pc/kernel/misc/$(ARCH64) group=sys
282 $(i386_ONLY)dir path=platform/i86pc/ucode group=sys
283 $(i386_ONLY)dir path=platform/i86xpv group=sys
284 $(i386_ONLY)dir path=platform/i86xpv/kernel group=sys
285 $(i386_ONLY)dir path=platform/i86xpv/kernel/$(ARCH64) group=sys
286 $(i386_ONLY)dir path=platform/i86xpv/kernel/cpu group=sys
287 $(i386_ONLY)dir path=platform/i86xpv/kernel/cpu/$(ARCH64) group=sys
288 $(i386_ONLY)dir path=platform/i86xpv/kernel/dacf group=sys
289 $(i386_ONLY)dir path=platform/i86xpv/kernel/dacf/$(ARCH64) group=sys
290 $(i386_ONLY)dir path=platform/i86xpv/kernel/drv group=sys
291 $(i386_ONLY)dir path=platform/i86xpv/kernel/drv/$(ARCH64) group=sys
292 $(i386_ONLY)dir path=platform/i86xpv/kernel/mach group=sys
293 $(i386_ONLY)dir path=platform/i86xpv/kernel/mach/$(ARCH64) group=sys
294 $(i386_ONLY)dir path=platform/i86xpv/kernel/misc group=sys
295 $(i386_ONLY)dir path=platform/i86xpv/kernel/misc/$(ARCH64) group=sys
296 $(i386_ONLY)dir path=platform/i86xpv/kernel/tod group=sys
297 $(i386_ONLY)dir path=platform/i86xpv/kernel/tod/$(ARCH64) group=sys
298 $(sparc_ONLY)dir path=platform/sun4u group=sys
299 $(sparc_ONLY)dir path=platform/sun4u-us3 group=sys
300 $(sparc_ONLY)dir path=platform/sun4u-us3/kernel group=sys
301 $(sparc_ONLY)dir path=platform/sun4u-us3/kernel/crypto group=sys
302 $(sparc_ONLY)dir path=platform/sun4u-us3/kernel/crypto/$(ARCH64) group=sys
303 $(sparc_ONLY)dir path=platform/sun4u/kernel group=sys
304 $(sparc_ONLY)dir path=platform/sun4u/kernel/$(ARCH64) group=sys
305 $(sparc_ONLY)dir path=platform/sun4u/kernel/cpu group=sys
306 $(sparc_ONLY)dir path=platform/sun4u/kernel/cpu/$(ARCH64) group=sys
307 $(sparc_ONLY)dir path=platform/sun4u/kernel/crypto group=sys
308 $(sparc_ONLY)dir path=platform/sun4u/kernel/crypto/$(ARCH64) group=sys
309 $(sparc_ONLY)dir path=platform/sun4u/kernel/drv group=sys
310 $(sparc_ONLY)dir path=platform/sun4u/kernel/drv/$(ARCH64) group=sys
311 $(sparc_ONLY)dir path=platform/sun4u/kernel/misc group=sys
312 $(sparc_ONLY)dir path=platform/sun4u/kernel/misc/$(ARCH64) group=sys
313 $(sparc_ONLY)dir path=platform/sun4u/kernel/tod group=sys
314 $(sparc_ONLY)dir path=platform/sun4u/kernel/tod/$(ARCH64) group=sys
315 $(sparc_ONLY)dir path=platform/sun4v group=sys
316 $(sparc_ONLY)dir path=platform/sun4v/kernel group=sys
317 $(sparc_ONLY)dir path=platform/sun4v/kernel/$(ARCH64) group=sys
318 $(sparc_ONLY)dir path=platform/sun4v/kernel/cpu group=sys
319 $(sparc_ONLY)dir path=platform/sun4v/kernel/cpu/$(ARCH64) group=sys
320 $(sparc_ONLY)dir path=platform/sun4v/kernel/crypto group=sys
321 $(sparc_ONLY)dir path=platform/sun4v/kernel/crypto/$(ARCH64) group=sys
322 $(sparc_ONLY)dir path=platform/sun4v/kernel/drv group=sys
323 $(sparc_ONLY)dir path=platform/sun4v/kernel/drv/$(ARCH64) group=sys
324 $(sparc_ONLY)dir path=platform/sun4v/kernel/misc group=sys
325 $(sparc_ONLY)dir path=platform/sun4v/kernel/misc/$(ARCH64) group=sys
```

```
326 $(sparc_ONLY)dir path=platform/sun4v/kernel/sys group=sys
327 $(sparc_ONLY)dir path=platform/sun4v/kernel/sys/$(ARCH64) group=sys
328 $(sparc_ONLY)dir path=usr/share/man
329 dir path=usr/share/man/man4
330 $(sparc_ONLY)dir path=usr/share/man/man7d
331 $(sparc_ONLY)dir path=usr/share/man/man7m
332 $(sparc_ONLY)driver name=ac
333 $(i386_ONLY)driver name=acpinex alias=acpivirtnex
334 $(i386_ONLY)driver name=acpippm
335 $(sparc_ONLY)driver name=adm1026 alias=i2c-adm1026
336 $(sparc_ONLY)driver name=adm1031 alias=i2c-adm1031
337 $(i386_ONLY)driver name=amd_iommu perms="* 0644 root sys" \
338     alias=pci1002,5a23 \
339     alias=pci1022,11ff
340 $(i386_ONLY)driver name=balloon perms="* 0444 root sys"
341 $(sparc_ONLY)driver name=bbc_beep alias=SUNW,bbc-beep
342 $(sparc_ONLY)driver name=central
343 $(i386_ONLY)driver name=cpudrv alias=cpu
344 $(sparc_ONLY)driver name=ctsmc alias=nct-ds80ch11-smc
345 $(sparc_ONLY)driver name=db21554 \
346     alias=pci108e,6300 \
347     alias=pci108e,6301 \
348     alias=pci108e,6302 \
349     alias=pci108e,6303 \
350     alias=pci108e,6310 \
351     alias=pci108e,6311 \
352     alias=pci108e,6312 \
353     alias=pci108e,6313 \
354     alias=pci108e,6320 \
355     alias=pci108e,6323 \
356     alias=pci108e,6330 \
357     alias=pci108e,6331 \
358     alias=pci108e,6332 \
359     alias=pci108e,6333 \
360     alias=pci108e,6340 \
361     alias=pci108e,6343 \
362     alias=pci108e,6350 \
363     alias=pci108e,6353 \
364     alias=pci108e,6722 \
365     alias=pciclass,060940 \
366     alias=pciclass,060980
367 $(i386_ONLY)driver name=domcaps perms="* 0444 root sys"
368 $(sparc_ONLY)driver name=dr
369 $(sparc_ONLY)driver name=ebus class=ebus \
370     alias=SUNW,ebus \
371     alias=SUNW,sun4v-ebus \
372     alias=isa \
373     alias=jbus-ebus
374 $(sparc_ONLY)driver name=envctrl alias=SUNW,envctrl
375 $(sparc_ONLY)driver name=envctrltwo alias=SUNW,envctrltwo \
376     perms="* 0644 root sys" \
377     policy="read_priv_set=sys_config write_priv_set=sys_config"
378 $(sparc_ONLY)driver name=environ alias=environment
379 $(sparc_ONLY)driver name=epic alias=SUNW,ebus-pic18lf65j10-env
380 $(i386_ONLY)driver name=evtchn perms="* 0666 root sys"
381 $(sparc_ONLY)driver name=fd perms="* 0666 root sys" \
382     alias=SUNW,fdtwo \
383     alias=fdthree \
384     alias=pnpALI,1533,0
385 $(sparc_ONLY)driver name=fhc
386 $(sparc_ONLY)driver name=glvc
387 $(sparc_ONLY)driver name=gpio_87317 alias=ns87317-gpio perms="* 0600 root sys"
388 $(sparc_ONLY)driver name=grbeep alias=SUNW,smbus-beep
389 $(sparc_ONLY)driver name=grfans alias=SUNW,smbus-fan-control
390 $(sparc_ONLY)driver name=grppm alias=SUNW,smbus-ppm
391 $(sparc_ONLY)driver name=hpc3130 perms="* 0644 root sys" \
```

```
392     alias=FJSV,hpc3130 \
393     alias=i2c-hpc3130
394 $(sparc_ONLY)driver name=i2bsc alias=SUNW,i2bsc
395 $(sparc_ONLY)driver name=ics951601 alias=i2c-ics951601
396 $(i386_ONLY)driver name=isa alias=pciclass,060100 class=sysbus
397 $(sparc_ONLY)driver name=isadma
398 $(sparc_ONLY)driver name=jbusppm alias=jbus-ppm
399 $(sparc_ONLY)driver name=lm75 alias=i2c-lm75 perms="* 0644 root sys"
400 $(sparc_ONLY)driver name=lombus alias=SUNW,lombus perms="* 0644 root sys"
401 $(sparc_ONLY)driver name=ltc1427 alias=i2c-ltc1427 perms="* 0644 root sys"
402 $(sparc_ONLY)driver name=lw8 perms="* 0644 root sys"
403 $(sparc_ONLY)driver name=m1535ppm alias=ali1535d+-ppm
404 $(sparc_ONLY)driver name=max1617 alias=i2c-max1617
405 $(sparc_ONLY)driver name=mc-opl alias=FJSV,oplmc
406 $(sparc_ONLY)driver name=mc-us3 alias=memory-controller
407 $(sparc_ONLY)driver name=mc-us3i alias=SUNW,UltraSPARC-IIIi,mc
408 $(sparc_ONLY)driver name=mdesc perms="* 0666 root sys"
409 $(sparc_ONLY)driver name=mem_cache
410 $(sparc_ONLY)driver name=mi2cv alias=fire-i2c
411 $(sparc_ONLY)driver name=n2rng \
412     alias=SUNW,kt-rng \
413     alias=SUNW,n2-rng \
414     alias=SUNW,vf-rng
415 $(i386_ONLY)driver name=npe alias=pciex_root_complex
416 $(sparc_ONLY)driver name=ntwdt perms="* 0644 root sys"
417 $(sparc_ONLY)driver name=oplmsu alias=FJSV,oplmsu
418 $(sparc_ONLY)driver name=oplpanel alias=FJSV,panel
419 $(sparc_ONLY)driver name=pca9556 \
420     alias=i2c-pca9555 \
421     alias=i2c-pca9556
422 $(sparc_ONLY)driver name=pcf8574 perms="* 0644 root sys" \
423     alias=i2c-pcf8574 \
424     alias=nct-PHG,pcf8574
425 $(sparc_ONLY)driver name=pcf8584 \
426     alias=SUNW,bbc-i2c \
427     alias=SUNW,i2c-pic16f747 \
428     alias=nct-PHG,pcf8584
429 $(sparc_ONLY)driver name=pcf8591 perms="* 0644 root sys" \
430     alias=i2c-pcf8591 \
431     alias=nct-PHG,pcf8591
432 $(i386_ONLY)driver name=pci class=pci
433 $(sparc_ONLY)driver name=pcicmu \
434     alias=pci10cf,138f \
435     alias=pci10cf,1390
436 $(sparc_ONLY)driver name=pcipsy class=pci \
437     alias=SUNW,pci \
438     alias=pci \
439     alias=pci108e,8000 \
440     alias=pci108e,a001 \
441     alias=pci108e,a001 \
442     alias=pciclass,060000
443 $(sparc_ONLY)driver name=pcisch class=pci \
444     alias=pci108e,8001 \
445     alias=pci108e,8002 \
446     alias=pci108e,a801
447 $(sparc_ONLY)driver name=pic16f747 alias=SUNW,ebus-pic16f747-env
448 $(sparc_ONLY)driver name=pic16f819 alias=SUNW,i2c-auxfan1
449 $(i386_ONLY)driver name=pit_beep alias=SUNW,pit_beep
450 $(sparc_ONLY)driver name=pmc alias=SUNW,pmc
451 $(sparc_ONLY)driver name=pmubus alias=pmu
452 $(sparc_ONLY)driver name=pmugpio
453 driver name=ppm
454 $(i386_ONLY)driver name=privcmd perms="* 0666 root sys"
455 $(sparc_ONLY)driver name=px \
456     alias=SUNW,sun4v-pci \
457     alias=pciex108e,80f0 \
```

```
458     alias=pciex108e,80f8
459 $(sparc_ONLY)driver name=qcn alias=SUNW,sun4v-console
460 $(sparc_ONLY)driver name=rmc_comm
461 $(sparc_ONLY)driver name=rmcadm
462 $(sparc_ONLY)driver name=rmclomv
463 $(sparc_ONLY)driver name=rootnex \
464     alias=cpu-unit \
465     alias=io-unit \
466     alias=mem-unit
467 $(i386_ONLY)driver name=rootnex
468 $(sparc_ONLY)driver name=sbbc alias=pci108e,c416
469 $(sparc_ONLY)driver name=sbus class=sbus
470 $(sparc_ONLY)driver name=sbusmem
471 $(sparc_ONLY)driver name=scfd alias=FJSV,scfc
472 $(sparc_ONLY)driver name=schppm alias=gp2-ppm
473 $(sparc_ONLY)driver name=seeprom \
474     alias=i2c-at24c64 \
475     alias=i2c-at34c02
476 $(sparc_ONLY)driver name=sgcn
477 $(sparc_ONLY)driver name=sgenv
478 $(sparc_ONLY)driver name=sgfru
479 $(sparc_ONLY)driver name=sghsc
480 $(sparc_ONLY)driver name=sgsbbc
481 $(sparc_ONLY)driver name=simba alias=pci108e,5000 class=pci
482 $(sparc_ONLY)driver name=simmstat alias=simm-status
483 $(sparc_ONLY)driver name=smbus alias=i2c-smbus
484 $(sparc_ONLY)driver name=smbus_ara alias=i2c-smbus-ara
485 $(sparc_ONLY)driver name=sram
486 $(sparc_ONLY)driver name=ssc050 alias=i2c-ssc050 perms="* 0644 root sys"
487 $(sparc_ONLY)driver name=ssc100 alias=i2c-ssc100 perms="* 0644 root sys"
488 $(sparc_ONLY)driver name=ssm perms="* 0640 root sys"
489 $(sparc_ONLY)driver name=su perms="[a-z] 0666 root sys" \
490     perms="[a-z],cu 0600 uucp uucp" perms="ssp 0600 root sys" \
491     perms="sspctl 0600 root sys"
492 $(sparc_ONLY)driver name=sysctrl alias=clock-board
493 $(sparc_ONLY)driver name=tda8444 alias=i2c-tda8444
494 $(sparc_ONLY)driver name=tod perms="* 0600 root sys"
495 $(sparc_ONLY)driver name=todds1287 alias=ds1287
496 $(sparc_ONLY)driver name=todds1307
497 $(sparc_ONLY)driver name=todds1337 alias=i2c-ds1337
498 $(sparc_ONLY)driver name=trapstat perms="* 0600 root sys"
499 $(sparc_ONLY)driver name=tsalarm
500 $(sparc_ONLY)driver name=upa64s \
501     alias=SUNW,upa64s \
502     alias=jbus-upa64s
503 $(sparc_ONLY)driver name=vnex \
504     alias=SUNW,sun4v-virtual-devices \
505     alias=SUNW,virtual-devices
506 $(sparc_ONLY)driver name=xcalppm alias=ebus-ppm
507 $(sparc_ONLY)driver name=xcalwd
508 $(i386_ONLY)driver name=xdb
509 $(i386_ONLY)driver name=xdf
510 $(i386_ONLY)driver name=xenbus perms="* 0666 root sys"
511 $(i386_ONLY)driver name=xencons
512 $(i386_ONLY)driver name=xnbe alias=xnb,ioemu
513 $(i386_ONLY)driver name=xnbo \
514     alias=xnb \
515     alias=xnb,SUNW_mac
516 $(i386_ONLY)driver name=xnbu alias=xnb,netfront
517 $(i386_ONLY)driver name=xnf
518 $(i386_ONLY)driver name=xpvd
519 $(i386_ONLY)driver name=xpvtap perms="* 0666 root sys"
520 $(sparc_ONLY)driver name=zs perms="[a-z] 0666 root sys" \
521     perms="[a-z],cu 0600 uucp uucp"
522 $(sparc_ONLY)driver name=zsh perms="* 0666 root sys"
523 $(sparc_ONLY)file path=platform/SUNW,A70/kernel/drv/ppm.conf group=sys
```

```
524 $(sparc_ONLY)file path=platform/SUNW,A70/kernel/misc/$(ARCH64)/platmod \
525     group=sys mode=0755
526 $(sparc_ONLY)file \
527     path=platform/SUNW,Netra-CP2300/kernel/misc/$(ARCH64)/platmod group=sys \
528     mode=0755
529 $(sparc_ONLY)file \
530     path=platform/SUNW,Netra-CP2300/kernel/tod/$(ARCH64)/todds1307 group=sys \
531     mode=0755
532 $(sparc_ONLY)file \
533     path=platform/SUNW,Netra-CP3010/kernel/misc/$(ARCH64)/platmod group=sys \
534     mode=0755
535 $(sparc_ONLY)file path=platform/SUNW,Netra-T12/kernel/drv/$(ARCH64)/lw8 \
536     group=sys
537 $(sparc_ONLY)file path=platform/SUNW,Netra-T12/kernel/drv/$(ARCH64)/ntwdt \
538     group=sys
539 $(sparc_ONLY)file path=platform/SUNW,Netra-T12/kernel/drv/$(ARCH64)/sgenv \
540     group=sys
541 $(sparc_ONLY)file path=platform/SUNW,Netra-T12/kernel/drv/$(ARCH64)/sgfru \
542     group=sys
543 $(sparc_ONLY)file path=platform/SUNW,Netra-T12/kernel/drv/lw8.conf group=sys
544 $(sparc_ONLY)file path=platform/SUNW,Netra-T12/kernel/drv/ntwdt.conf group=sys
545 $(sparc_ONLY)file path=platform/SUNW,Netra-T12/kernel/drv/sgenv.conf group=sys
546 $(sparc_ONLY)file path=platform/SUNW,Netra-T12/kernel/drv/sgfru.conf group=sys
547 $(sparc_ONLY)file path=platform/SUNW,Netra-T12/kernel/misc/$(ARCH64)/platmod \
548     group=sys mode=0755
549 $(sparc_ONLY)file path=platform/SUNW,Netra-T4/kernel/drv/$(ARCH64)/lombus \
550     group=sys
551 $(sparc_ONLY)file path=platform/SUNW,Netra-T4/kernel/drv/lombus.conf group=sys
552 $(sparc_ONLY)file path=platform/SUNW,SPARC-Enterprise/kernel/$(ARCH64)/unix \
553     group=sys mode=0755
554 $(sparc_ONLY)file \
555     path=platform/SUNW,SPARC-Enterprise/kernel/cpu/$(ARCH64)/FJSV,SPARC64-VI \
556     group=sys mode=0755
557 $(sparc_ONLY)file path=platform/SUNW,SPARC-Enterprise/kernel/drv/$(ARCH64)/dr \
558     group=sys
559 $(sparc_ONLY)file \
560     path=platform/SUNW,SPARC-Enterprise/kernel/drv/$(ARCH64)/mc-opl group=sys
561 $(sparc_ONLY)file \
562     path=platform/SUNW,SPARC-Enterprise/kernel/drv/$(ARCH64)/oplmsu group=sys
563 $(sparc_ONLY)file \
564     path=platform/SUNW,SPARC-Enterprise/kernel/drv/$(ARCH64)/oplpanel \
565     group=sys
566 $(sparc_ONLY)file \
567     path=platform/SUNW,SPARC-Enterprise/kernel/drv/$(ARCH64)/pcicmu group=sys
568 $(sparc_ONLY)file \
569     path=platform/SUNW,SPARC-Enterprise/kernel/drv/$(ARCH64)/scfd group=sys
570 $(sparc_ONLY)file path=platform/SUNW,SPARC-Enterprise/kernel/drv/dr.conf \
571     group=sys
572 $(sparc_ONLY)file path=platform/SUNW,SPARC-Enterprise/kernel/drv/mc-opl.conf \
573     group=sys
574 $(sparc_ONLY)file path=platform/SUNW,SPARC-Enterprise/kernel/drv/oplpanel.conf \
575     group=sys
576 $(sparc_ONLY)file path=platform/SUNW,SPARC-Enterprise/kernel/drv/options.conf \
577     group=sys
578 $(sparc_ONLY)file path=platform/SUNW,SPARC-Enterprise/kernel/drv/scfd.conf \
579     group=sys
580 $(sparc_ONLY)file \
581     path=platform/SUNW,SPARC-Enterprise/kernel/misc/$(ARCH64)/drmach \
582     group=sys mode=0755
583 $(sparc_ONLY)file \
584     path=platform/SUNW,SPARC-Enterprise/kernel/misc/$(ARCH64)/platmod \
585     group=sys mode=0755
586 $(sparc_ONLY)file path=platform/SUNW,Serverblade1/kernel/drv/$(ARCH64)/bscbus \
587     group=sys
588 $(sparc_ONLY)file path=platform/SUNW,Serverblade1/kernel/drv/$(ARCH64)/bscv \
589     group=sys
```

```
590 $(sparc_ONLY)file path=platform/SUNW,Serverblade1/kernel/drv/bscbus.conf \
591     group=sys
592 $(sparc_ONLY)file path=platform/SUNW,Serverblade1/kernel/drv/bscv.conf \
593     group=sys
594 $(sparc_ONLY)file path=platform/SUNW,Serverblade1/kernel/drv/options.conf \
595     group=sys
596 $(sparc_ONLY)file \
597     path=platform/SUNW,Serverblade1/kernel/misc/$(ARCH64)/platmod group=sys \
598     mode=0755
599 $(sparc_ONLY)file path=platform/SUNW,Sun-Blade-100/kernel/drv/$(ARCH64)/grfans \
600     group=sys
601 $(sparc_ONLY)file path=platform/SUNW,Sun-Blade-100/kernel/drv/$(ARCH64)/grppm \
602     group=sys
603 $(sparc_ONLY)file path=platform/SUNW,Sun-Blade-100/kernel/drv/grppm.conf \
604     group=sys
605 $(sparc_ONLY)file \
606     path=platform/SUNW,Sun-Blade-100/kernel/misc/$(ARCH64)/platmod group=sys \
607     mode=0755
608 $(sparc_ONLY)file \
609     path=platform/SUNW,Sun-Blade-1000/kernel/drv/$(ARCH64)/xcalppm group=sys
610 $(sparc_ONLY)file \
611     path=platform/SUNW,Sun-Blade-1000/kernel/drv/$(ARCH64)/xcalwd group=sys
612 $(sparc_ONLY)file path=platform/SUNW,Sun-Blade-1000/kernel/drv/xcalppm.conf \
613     group=sys
614 $(sparc_ONLY)file path=platform/SUNW,Sun-Blade-1000/kernel/drv/xcalwd.conf \
615     group=sys
616 $(sparc_ONLY)file \
617     path=platform/SUNW,Sun-Blade-1000/kernel/misc/$(ARCH64)/platmod group=sys \
618     mode=0755
619 $(sparc_ONLY)file path=platform/SUNW,Sun-Blade-1500/kernel/drv/ppm.conf \
620     group=sys
621 $(sparc_ONLY)file \
622     path=platform/SUNW,Sun-Blade-1500/kernel/misc/$(ARCH64)/platmod group=sys \
623     mode=0755
624 $(sparc_ONLY)file path=platform/SUNW,Sun-Blade-2500/kernel/drv/ppm.conf \
625     group=sys
626 $(sparc_ONLY)file \
627     path=platform/SUNW,Sun-Blade-2500/kernel/misc/$(ARCH64)/platmod group=sys \
628     mode=0755
629 $(sparc_ONLY)file \
630     path=platform/SUNW,Sun-Fire-280R/kernel/drv/$(ARCH64)/pcf8574 group=sys
631 $(sparc_ONLY)file \
632     path=platform/SUNW,Sun-Fire-280R/kernel/misc/$(ARCH64)/platmod group=sys \
633     mode=0755
634 $(sparc_ONLY)file \
635     path=platform/SUNW,Sun-Fire-480R/kernel/misc/$(ARCH64)/platmod group=sys \
636     mode=0755
637 $(sparc_ONLY)file path=platform/SUNW,Sun-Fire-880/kernel/drv/$(ARCH64)/hpc3130 \
638     group=sys
639 $(sparc_ONLY)file path=platform/SUNW,Sun-Fire-880/kernel/drv/hpc3130.conf \
640     group=sys
641 $(sparc_ONLY)file \
642     path=platform/SUNW,Sun-Fire-880/kernel/misc/$(ARCH64)/platmod group=sys \
643     mode=0755
644 $(sparc_ONLY)file \
645     path=platform/SUNW,Sun-Fire-T200/kernel/drv/$(ARCH64)/tsalarm group=sys
646 $(sparc_ONLY)file path=platform/SUNW,Sun-Fire-T200/kernel/drv/tsalarm.conf \
647     group=sys
648 $(sparc_ONLY)file path=platform/SUNW,Sun-Fire-V215/kernel/drv/su.conf \
649     group=sys
650 $(sparc_ONLY)file \
651     path=platform/SUNW,Sun-Fire-V215/kernel/misc/$(ARCH64)/platmod group=sys \
652     mode=0755
653 $(sparc_ONLY)file path=platform/SUNW,Sun-Fire-V240/kernel/drv/$(ARCH64)/ntwdt \
654     group=sys
655 $(sparc_ONLY)file \
```

```
656       path=platform/SUNW,Sun-Fire-V240/kernel/drv/$(ARCH64)/tsalarm group=sys
657 $(sparc_ONLY)file path=platform/SUNW,Sun-Fire-V240/kernel/drv/ntwdt.conf \
658       group=sys
659 $(sparc_ONLY)file path=platform/SUNW,Sun-Fire-V240/kernel/drv/tsalarm.conf \
660       group=sys
661 $(sparc_ONLY)file \
662       path=platform/SUNW,Sun-Fire-V240/kernel/misc/$(ARCH64)/platmod group=sys \
663       mode=0755
664 $(sparc_ONLY)file \
665       path=platform/SUNW,Sun-Fire-V250/kernel/misc/$(ARCH64)/platmod group=sys \
666       mode=0755
667 $(sparc_ONLY)file \
668       path=platform/SUNW,Sun-Fire-V440/kernel/misc/$(ARCH64)/platmod group=sys \
669       mode=0755
670 $(sparc_ONLY)file \
671       path=platform/SUNW,Sun-Fire-V445/kernel/misc/$(ARCH64)/platmod group=sys \
672       mode=0755
673 $(sparc_ONLY)file path=platform/SUNW,Sun-Fire/kernel/$(ARCH64)/unix group=sys \
674       mode=0755
675 $(sparc_ONLY)file \
676       path=platform/SUNW,Sun-Fire/kernel/cpu/$(ARCH64)/SUNW,UltraSPARC-III \
677       group=sys mode=0755
678 $(sparc_ONLY)file \
679       path=platform/SUNW,Sun-Fire/kernel/cpu/$(ARCH64)/SUNW,UltraSPARC-III+ \
680       group=sys mode=0755
681 $(sparc_ONLY)file path=platform/SUNW,Sun-Fire/kernel/drv/$(ARCH64)/sgcn \
682       group=sys
683 $(sparc_ONLY)file path=platform/SUNW,Sun-Fire/kernel/drv/$(ARCH64)/sghsc \
684       group=sys
685 $(sparc_ONLY)file path=platform/SUNW,Sun-Fire/kernel/drv/$(ARCH64)/sgsbbc \
686       group=sys
687 $(sparc_ONLY)file path=platform/SUNW,Sun-Fire/kernel/drv/$(ARCH64)/ssm \
688       group=sys
689 $(sparc_ONLY)file path=platform/SUNW,Sun-Fire/kernel/drv/sghsc.conf group=sys
690 $(sparc_ONLY)file path=platform/SUNW,Sun-Fire/kernel/misc/$(ARCH64)/platmod \
691       group=sys mode=0755
692 $(sparc_ONLY)file path=platform/SUNW,Sun-Fire/kernel/misc/$(ARCH64)/sbdp \
693       group=sys mode=0755
694 $(sparc_ONLY)file path=platform/SUNW,Ultra-250/kernel/drv/$(ARCH64)/envctrltwo \
695       group=sys
696 $(sparc_ONLY)file path=platform/SUNW,Ultra-250/kernel/misc/$(ARCH64)/platmod \
697       group=sys mode=0755
698 $(sparc_ONLY)file path=platform/SUNW,Ultra-4/kernel/drv/$(ARCH64)/envctrl \
699       group=sys
700 $(sparc_ONLY)file path=platform/SUNW,Ultra-4/kernel/misc/$(ARCH64)/platmod \
701       group=sys mode=0755
702 $(sparc_ONLY)file path=platform/SUNW,Ultra-5_10/kernel/misc/$(ARCH64)/platmod \
703       group=sys mode=0755
704 $(sparc_ONLY)file path=platform/SUNW,Ultra-Enterprise/kernel/drv/$(ARCH64)/ac \
705       group=sys
706 $(sparc_ONLY)file \
707       path=platform/SUNW,Ultra-Enterprise/kernel/drv/$(ARCH64)/central \
708       group=sys
709 $(sparc_ONLY)file \
710       path=platform/SUNW,Ultra-Enterprise/kernel/drv/$(ARCH64)/environ \
711       group=sys
712 $(sparc_ONLY)file path=platform/SUNW,Ultra-Enterprise/kernel/drv/$(ARCH64)/fhc \
713       group=sys
714 $(sparc_ONLY)file \
715       path=platform/SUNW,Ultra-Enterprise/kernel/drv/$(ARCH64)/simmstat \
716       group=sys
717 $(sparc_ONLY)file \
718       path=platform/SUNW,Ultra-Enterprise/kernel/drv/$(ARCH64)/sram group=sys
719 $(sparc_ONLY)file \
720       path=platform/SUNW,Ultra-Enterprise/kernel/drv/$(ARCH64)/sysctrl \
721       group=sys
```

```
722 $(sparc_ONLY)file path=platform/SUNW,Ultra-Enterprise/kernel/drv/fhc.conf \
723       group=sys
724 $(sparc_ONLY)file \
725       path=platform/SUNW,Ultra-Enterprise/kernel/misc/$(ARCH64)/platmod \
726       group=sys mode=0755
727 $(sparc_ONLY)file path=platform/SUNW,UltraAX-i2/kernel/misc/$(ARCH64)/platmod \
728       group=sys mode=0755
729 $(i386_ONLY)file path=platform/i86pc/kernel/$(ARCH64)/unix group=sys mode=0755
730 $(i386_ONLY)file path=platform/i86pc/kernel/cpu/$(ARCH64)/cpu.generic \
731       group=sys mode=0755
732 $(i386_ONLY)file path=platform/i86pc/kernel/cpu/$(ARCH64)/cpu_ms.AuthenticAMD \
733       group=sys mode=0755
734 $(i386_ONLY)file \
735       path=platform/i86pc/kernel/cpu/$(ARCH64)/cpu_ms.AuthenticAMD.15 group=sys \
736       mode=0755
737 $(i386_ONLY)file path=platform/i86pc/kernel/cpu/$(ARCH64)/cpu_ms.GenuineIntel \
738       group=sys mode=0755
739 $(i386_ONLY)file \
740       path=platform/i86pc/kernel/cpu/$(ARCH64)/cpu_ms.GenuineIntel.6.46 \
741       group=sys mode=0755
742 $(i386_ONLY)file path=platform/i86pc/kernel/dacf/$(ARCH64)/consconfig_dacf \
743       group=sys mode=0755
744 $(i386_ONLY)file path=platform/i86pc/kernel/drv/$(ARCH64)/acpinex group=sys
745 $(i386_ONLY)file path=platform/i86pc/kernel/drv/$(ARCH64)/acpippm group=sys
746 $(i386_ONLY)file path=platform/i86pc/kernel/drv/$(ARCH64)/amd_iommu group=sys
747 $(i386_ONLY)file path=platform/i86pc/kernel/drv/$(ARCH64)/cpudrv group=sys
748 $(i386_ONLY)file path=platform/i86pc/kernel/drv/$(ARCH64)/isa group=sys
749 $(i386_ONLY)file path=platform/i86pc/kernel/drv/$(ARCH64)/npe group=sys
750 $(i386_ONLY)file path=platform/i86pc/kernel/drv/$(ARCH64)/pci group=sys
751 $(i386_ONLY)file path=platform/i86pc/kernel/drv/$(ARCH64)/pit_beep group=sys
752 $(i386_ONLY)file path=platform/i86pc/kernel/drv/$(ARCH64)/ppm group=sys
753 $(i386_ONLY)file path=platform/i86pc/kernel/drv/$(ARCH64)/rootnex group=sys
754 $(i386_ONLY)file path=platform/i86pc/kernel/drv/acpippm.conf group=sys
755 $(i386_ONLY)file path=platform/i86pc/kernel/drv/amd_iommu.conf group=sys
756 $(i386_ONLY)file path=platform/i86pc/kernel/drv/pit_beep.conf group=sys
757 $(i386_ONLY)file path=platform/i86pc/kernel/drv/ppm.conf group=sys
758 $(i386_ONLY)file path=platform/i86pc/kernel/drv/rootnex.conf group=sys
759 $(i386_ONLY)file path=platform/i86pc/kernel/mach/$(ARCH64)/apix group=sys \
760       mode=0755
761 $(i386_ONLY)file path=platform/i86pc/kernel/mach/$(ARCH64)/pcplusmp group=sys \
762       mode=0755
763 $(i386_ONLY)file path=platform/i86pc/kernel/mach/$(ARCH64)/uppc group=sys \
764       mode=0755
765 $(i386_ONLY)file path=platform/i86pc/kernel/misc/$(ARCH64)/acpidev group=sys \
766       mode=0755
767 $(i386_ONLY)file path=platform/i86pc/kernel/misc/$(ARCH64)/gfx_private \
768       group=sys mode=0755
769 $(i386_ONLY)file path=platform/i86pc/ucode/amd-ucode.bin group=sys mode=0444 \
770       original_name=SUNWcakr:platform/i86pc/ucode/amd-ucode.bin preserve=true \
771       reboot-needed=true
772 $(i386_ONLY)file path=platform/i86pc/ucode/intel-ucode.txt group=sys mode=0444 \
773       original_name=SUNWcakr:platform/i86pc/ucode/intel-ucode.txt preserve=true \
774       reboot-needed=true
775 $(i386_ONLY)file path=platform/i86xpv/kernel/$(ARCH64)/unix group=sys \
776       mode=0755
777 $(i386_ONLY)file path=platform/i86xpv/kernel/cpu/$(ARCH64)/cpu.generic \
778       group=sys mode=0755
779 $(i386_ONLY)file path=platform/i86xpv/kernel/cpu/$(ARCH64)/cpu_ms.AuthenticAMD \
780       group=sys mode=0755
781 $(i386_ONLY)file \
782       path=platform/i86xpv/kernel/cpu/$(ARCH64)/cpu_ms.AuthenticAMD.15 \
783       group=sys mode=0755
784 $(i386_ONLY)file path=platform/i86xpv/kernel/cpu/$(ARCH64)/cpu_ms.GenuineIntel \
785       group=sys mode=0755
786 $(i386_ONLY)file path=platform/i86xpv/kernel/dacf/$(ARCH64)/consconfig_dacf \
787       group=sys mode=0755
```

```
 788 $(i386_ONLY)file path=platform/i86xpv/kernel/drv/$(ARCH64)/balloon group=sys
 789 $(i386_ONLY)file path=platform/i86xpv/kernel/drv/$(ARCH64)/domcaps group=sys
 790 $(i386_ONLY)file path=platform/i86xpv/kernel/drv/$(ARCH64)/evtchn group=sys
 791 $(i386_ONLY)file path=platform/i86xpv/kernel/drv/$(ARCH64)/isa group=sys
 792 $(i386_ONLY)file path=platform/i86xpv/kernel/drv/$(ARCH64)/npe group=sys
 793 $(i386_ONLY)file path=platform/i86xpv/kernel/drv/$(ARCH64)/pci group=sys
 794 $(i386_ONLY)file path=platform/i86xpv/kernel/drv/$(ARCH64)/pit_beep group=sys
 795 $(i386_ONLY)file path=platform/i86xpv/kernel/drv/$(ARCH64)/privcmd group=sys
 796 $(i386_ONLY)file path=platform/i86xpv/kernel/drv/$(ARCH64)/rootnex group=sys
 797 $(i386_ONLY)file path=platform/i86xpv/kernel/drv/$(ARCH64)/xdb group=sys
 798 $(i386_ONLY)file path=platform/i86xpv/kernel/drv/$(ARCH64)/xdf group=sys
 799 $(i386_ONLY)file path=platform/i86xpv/kernel/drv/$(ARCH64)/xenbus group=sys
 800 $(i386_ONLY)file path=platform/i86xpv/kernel/drv/$(ARCH64)/xencons group=sys
 801 $(i386_ONLY)file path=platform/i86xpv/kernel/drv/$(ARCH64)/xnbe group=sys
 802 $(i386_ONLY)file path=platform/i86xpv/kernel/drv/$(ARCH64)/xnbo group=sys
 803 $(i386_ONLY)file path=platform/i86xpv/kernel/drv/$(ARCH64)/xnbu group=sys
 804 $(i386_ONLY)file path=platform/i86xpv/kernel/drv/$(ARCH64)/xnf group=sys
 805 $(i386_ONLY)file path=platform/i86xpv/kernel/drv/$(ARCH64)/xpvd group=sys
 806 $(i386_ONLY)file path=platform/i86xpv/kernel/drv/$(ARCH64)/xpvtap group=sys
 807 $(i386_ONLY)file path=platform/i86xpv/kernel/drv/pit_beep.conf group=sys
 808 $(i386_ONLY)file path=platform/i86xpv/kernel/drv/xencons.conf group=sys
 809 $(i386_ONLY)file path=platform/i86xpv/kernel/mach/$(ARCH64)/xpv_psm group=sys \
 810     mode=0755
 811 $(i386_ONLY)file path=platform/i86xpv/kernel/mach/$(ARCH64)/xpv_uppc group=sys \
 812     mode=0755
 813 $(i386_ONLY)file path=platform/i86xpv/kernel/misc/$(ARCH64)/gfx_private \
 814     group=sys mode=0755
 815 $(i386_ONLY)file path=platform/i86xpv/kernel/misc/$(ARCH64)/xnb group=sys \
 816     mode=0755
 817 $(i386_ONLY)file path=platform/i86xpv/kernel/misc/$(ARCH64)/xpv_autoconfig \
 818     group=sys mode=0755
 819 $(i386_ONLY)file path=platform/i86xpv/kernel/tod/$(ARCH64)/xpvtod group=sys \
 820     mode=0755
 821 $(sparc_ONLY)file path=platform/sun4u-us3/kernel/crypto/$(ARCH64)/aes \
 822     group=sys mode=0755
 823 $(sparc_ONLY)file path=platform/sun4u/bootlst group=sys reboot-needed=true
 824 $(sparc_ONLY)file path=platform/sun4u/kernel/$(ARCH64)/genunix group=sys \
 825     mode=0755
 826 $(sparc_ONLY)file path=platform/sun4u/kernel/$(ARCH64)/unix group=sys \
 827     mode=0755
 828 $(sparc_ONLY)file path=platform/sun4u/kernel/cpu/$(ARCH64)/SUNW,UltraSPARC-II \
 829     group=sys mode=0755
 830 $(sparc_ONLY)file path=platform/sun4u/kernel/cpu/$(ARCH64)/SUNW,UltraSPARC-III \
 831     group=sys mode=0755
 832 $(sparc_ONLY)file \
 833     path=platform/sun4u/kernel/cpu/$(ARCH64)/SUNW,UltraSPARC-III+ group=sys \
 834     mode=0755
 835 $(sparc_ONLY)file \
 836     path=platform/sun4u/kernel/cpu/$(ARCH64)/SUNW,UltraSPARC-IIIi group=sys \
 837     mode=0755
 838 $(sparc_ONLY)file \
 839     path=platform/sun4u/kernel/cpu/$(ARCH64)/SUNW,UltraSPARC-IIIi+ group=sys \
 840     mode=0755
 841 $(sparc_ONLY)file path=platform/sun4u/kernel/cpu/$(ARCH64)/SUNW,UltraSPARC-IIe \
 842     group=sys mode=0755
 843 $(sparc_ONLY)file path=platform/sun4u/kernel/crypto/$(ARCH64)/arcfour \
 844     group=sys mode=0755
 845 $(sparc_ONLY)file path=platform/sun4u/kernel/crypto/$(ARCH64)/des group=sys \
 846     mode=0755
 847 $(sparc_ONLY)file path=platform/sun4u/kernel/crypto/$(ARCH64)/md5 group=sys \
 848     mode=0755
 849 $(sparc_ONLY)file path=platform/sun4u/kernel/crypto/$(ARCH64)/sha1 group=sys \
 850     mode=0755
 851 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/adm1026 group=sys
 852 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/adm1031 group=sys
 853 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/bbc_beep group=sys
```

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 854 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/ctsmc group=sys
 855 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/db21554 group=sys
 856 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/ebus group=sys
 857 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/epic group=sys
 858 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/fd group=sys
 859 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/gpio_87317 \
 860     group=sys
 861 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/grbeep group=sys
 862 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/i2bsc group=sys
 863 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/ics951601 group=sys
 864 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/isadma group=sys
 865 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/jbusppm group=sys
 866 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/lm75 group=sys
 867 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/ltc1427 group=sys
 868 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/m1535ppm group=sys
 869 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/max1617 group=sys
 870 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/mc-us3 group=sys
 871 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/mc-us3i group=sys
 872 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/mem_cache group=sys
 873 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/mi2cv group=sys
 874 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/pca9556 group=sys
 875 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/pcf8574 group=sys
 876 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/pcf8584 group=sys
 877 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/pcf8591 group=sys
 878 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/pcipsy group=sys
 879 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/pcisch group=sys
 880 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/pic16f747 group=sys
 881 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/pic16f819 group=sys
 882 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/pmc group=sys
 883 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/pmubus group=sys
 884 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/pmugpio group=sys
 885 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/power group=sys
 886 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/ppm group=sys
 887 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/px group=sys
 888 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/rmc_comm group=sys
 889 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/rmcadm group=sys
 890 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/rmclomv group=sys
 891 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/rootnex group=sys
 892 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/sbbc group=sys
 893 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/sbus group=sys
 894 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/sbusmem group=sys
 895 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/schppm group=sys
 896 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/seeprom group=sys
 897 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/simba group=sys
 898 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/smbus group=sys
 899 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/smbus_ara group=sys
 900 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/ssc050 group=sys
 901 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/ssc100 group=sys
 902 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/su group=sys
 903 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/tda8444 group=sys
 904 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/trapstat group=sys
 905 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/upa64s group=sys
 906 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/zs group=sys
 907 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/$(ARCH64)/zsh group=sys
 908 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/i2bsc.conf group=sys
 909 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/mem_cache.conf group=sys
 910 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/rmc_comm.conf group=sys
 911 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/rmcadm.conf group=sys
 912 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/rmclomv.conf group=sys
 913 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/sbusmem.conf group=sys
 914 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/trapstat.conf group=sys
 915 $(sparc_ONLY)file path=platform/sun4u/kernel/drv/zsh.conf group=sys
 916 $(sparc_ONLY)file path=platform/sun4u/kernel/misc/$(ARCH64)/bignum group=sys \
 917     mode=0755
 918 $(sparc_ONLY)file path=platform/sun4u/kernel/misc/$(ARCH64)/bootdev group=sys \
 919     mode=0755
```

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 920 $(sparc_ONLY)file path=platform/sun4u/kernel/misc/$(ARCH64)/forthdebug \
 921     group=sys mode=0755
 922 $(sparc_ONLY)file path=platform/sun4u/kernel/misc/$(ARCH64)/i2c_svc group=sys \
 923     mode=0755
 924 $(sparc_ONLY)file path=platform/sun4u/kernel/misc/$(ARCH64)/kmdbmod group=sys \
 925     mode=0755
 926 $(sparc_ONLY)file path=platform/sun4u/kernel/misc/$(ARCH64)/obpsym group=sys \
 927     mode=0755
 928 $(sparc_ONLY)file path=platform/sun4u/kernel/misc/$(ARCH64)/opl_cfg group=sys \
 929     mode=0755
 930 $(sparc_ONLY)file path=platform/sun4u/kernel/misc/$(ARCH64)/pcie group=sys \
 931     mode=0755
 932 $(sparc_ONLY)file path=platform/sun4u/kernel/misc/$(ARCH64)/platmod group=sys \
 933     mode=0755
 934 $(sparc_ONLY)file path=platform/sun4u/kernel/misc/$(ARCH64)/sbd group=sys \
 935     mode=0755
 936 $(sparc_ONLY)file path=platform/sun4u/kernel/misc/$(ARCH64)/vis group=sys \
 937     mode=0755
 938 $(sparc_ONLY)file path=platform/sun4u/kernel/tod/$(ARCH64)/todblade group=sys \
 939     mode=0755
 940 $(sparc_ONLY)file path=platform/sun4u/kernel/tod/$(ARCH64)/todbq4802 group=sys \
 941     mode=0755
 942 $(sparc_ONLY)file path=platform/sun4u/kernel/tod/$(ARCH64)/todds1287 group=sys \
 943     mode=0755
 944 $(sparc_ONLY)file path=platform/sun4u/kernel/tod/$(ARCH64)/todds1337 group=sys \
 945     mode=0755
 946 $(sparc_ONLY)file path=platform/sun4u/kernel/tod/$(ARCH64)/todm5819 group=sys \
 947     mode=0755
 948 $(sparc_ONLY)file path=platform/sun4u/kernel/tod/$(ARCH64)/todm5819p_rmc \
 949     group=sys mode=0755
 950 $(sparc_ONLY)file path=platform/sun4u/kernel/tod/$(ARCH64)/todm5823 group=sys \
 951     mode=0755
 952 $(sparc_ONLY)file path=platform/sun4u/kernel/tod/$(ARCH64)/todmostek group=sys \
 953     mode=0755
 954 $(sparc_ONLY)file path=platform/sun4u/kernel/tod/$(ARCH64)/todopl group=sys \
 955     mode=0755
 956 $(sparc_ONLY)file path=platform/sun4u/kernel/tod/$(ARCH64)/todsg group=sys \
 957     mode=0755
 958 $(sparc_ONLY)file path=platform/sun4v/bootlst group=sys reboot-needed=true
 959 $(sparc_ONLY)file path=platform/sun4v/kernel/$(ARCH64)/genunix group=sys \
 960     mode=0755
 961 $(sparc_ONLY)file path=platform/sun4v/kernel/$(ARCH64)/unix group=sys \
 962     mode=0755
 963 $(sparc_ONLY)file path=platform/sun4v/kernel/cpu/$(ARCH64)/generic group=sys \
 964     mode=0755
 965 $(sparc_ONLY)file path=platform/sun4v/kernel/crypto/$(ARCH64)/arcfour \
 966     group=sys mode=0755
 967 $(sparc_ONLY)file path=platform/sun4v/kernel/crypto/$(ARCH64)/md5 group=sys \
 968     mode=0755
 969 $(sparc_ONLY)file path=platform/sun4v/kernel/drv/$(ARCH64)/bge group=sys
 970 $(sparc_ONLY)file path=platform/sun4v/kernel/drv/$(ARCH64)/bmc group=sys
 971 $(sparc_ONLY)file path=platform/sun4v/kernel/drv/$(ARCH64)/ebus group=sys
 972 $(sparc_ONLY)file path=platform/sun4v/kernel/drv/$(ARCH64)/glvc group=sys
 973 $(sparc_ONLY)file path=platform/sun4v/kernel/drv/$(ARCH64)/mdesc group=sys
 974 $(sparc_ONLY)file path=platform/sun4v/kernel/drv/$(ARCH64)/n2rng group=sys
 975 $(sparc_ONLY)file path=platform/sun4v/kernel/drv/$(ARCH64)/ntwdt group=sys
 976 $(sparc_ONLY)file path=platform/sun4v/kernel/drv/$(ARCH64)/px group=sys
 977 $(sparc_ONLY)file path=platform/sun4v/kernel/drv/$(ARCH64)/qcn group=sys
 978 $(sparc_ONLY)file path=platform/sun4v/kernel/drv/$(ARCH64)/rootnex group=sys
 979 $(sparc_ONLY)file path=platform/sun4v/kernel/drv/$(ARCH64)/su group=sys
 980 $(sparc_ONLY)file path=platform/sun4v/kernel/drv/$(ARCH64)/trapstat group=sys
 981 $(sparc_ONLY)file path=platform/sun4v/kernel/drv/$(ARCH64)/vnex group=sys
 982 $(sparc_ONLY)file path=platform/sun4v/kernel/drv/bge.conf group=sys
 983 $(sparc_ONLY)file path=platform/sun4v/kernel/drv/bmc.conf group=sys
 984 $(sparc_ONLY)file path=platform/sun4v/kernel/drv/mdesc.conf group=sys
 985 $(sparc_ONLY)file path=platform/sun4v/kernel/drv/n2rng.conf group=sys
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 986 $(sparc_ONLY)file path=platform/sun4v/kernel/drv/ntwdt.conf group=sys
 987 $(sparc_ONLY)file path=platform/sun4v/kernel/drv/trapstat.conf group=sys
 988 $(sparc_ONLY)file path=platform/sun4v/kernel/misc/$(ARCH64)/bootdev group=sys \
 989     mode=0755
 990 $(sparc_ONLY)file path=platform/sun4v/kernel/misc/$(ARCH64)/forthdebug \
 991     group=sys mode=0755
 992 $(sparc_ONLY)file path=platform/sun4v/kernel/misc/$(ARCH64)/kmdbmod group=sys \
 993     mode=0755
 994 $(sparc_ONLY)file path=platform/sun4v/kernel/misc/$(ARCH64)/obpsym group=sys \
 995     mode=0755
 996 $(sparc_ONLY)file path=platform/sun4v/kernel/misc/$(ARCH64)/pcie group=sys \
 997     mode=0755
 998 $(sparc_ONLY)file path=platform/sun4v/kernel/misc/$(ARCH64)/platmod group=sys \
 999     mode=0755
1000 $(sparc_ONLY)file path=platform/sun4v/kernel/misc/$(ARCH64)/vis group=sys \
1001     mode=0755
1002 $(sparc_ONLY)file path=usr/share/man/man4/sbus.4
1003 $(i386_ONLY)file path=usr/share/man/man4/sysbus.4
1004 $(sparc_ONLY)file path=usr/share/man/man7d/bbc_beep.7d
1005 $(sparc_ONLY)file path=usr/share/man/man7d/ctsmc.7d
1006 $(sparc_ONLY)file path=usr/share/man/man7d/dr.7d
1007 $(sparc_ONLY)file path=usr/share/man/man7d/fd.7d
1008 $(sparc_ONLY)file path=usr/share/man/man7d/gpio_87317.7d
1009 $(sparc_ONLY)file path=usr/share/man/man7d/grbeep.7d
1010 $(sparc_ONLY)file path=usr/share/man/man7d/mc-opl.7d
1011 $(sparc_ONLY)file path=usr/share/man/man7d/n2rng.7d
1012 $(sparc_ONLY)file path=usr/share/man/man7d/ncp.7d
1013 $(i386_ONLY)file path=usr/share/man/man7d/npe.7d
1014 $(sparc_ONLY)file path=usr/share/man/man7d/ntwdt.7d
1015 $(sparc_ONLY)file path=usr/share/man/man7d/oplmsu.7d
1016 $(sparc_ONLY)file path=usr/share/man/man7d/oplpanel.7d
1017 $(sparc_ONLY)file path=usr/share/man/man7d/pcicmu.7d
1018 $(sparc_ONLY)file path=usr/share/man/man7d/pcipsy.7d
1019 $(sparc_ONLY)file path=usr/share/man/man7d/pcisch.7d
1020 $(sparc_ONLY)file path=usr/share/man/man7d/smbus.7d
1021 $(sparc_ONLY)file path=usr/share/man/man7d/su.7d
1022 $(sparc_ONLY)file path=usr/share/man/man7d/todopl.7d
1023 $(sparc_ONLY)file path=usr/share/man/man7d/tsalarm.7d
1024 $(sparc_ONLY)file path=usr/share/man/man7d/zs.7d
1025 $(sparc_ONLY)file path=usr/share/man/man7d/zsh.7d
1026 $(i386_ONLY)hardlink \
1027     path=platform/i86pc/kernel/cpu/$(ARCH64)/cpu_ms.GenuineIntel.6.47 \
1028     target=cpu_ms.GenuineIntel.6.46
1029 $(sparc_ONLY)hardlink path=platform/sun4u/kernel/misc/$(ARCH64)/md5 \
1030     target=../../../kernel/crypto/$(ARCH64)/md5
1031 $(sparc_ONLY)hardlink path=platform/sun4u/kernel/misc/$(ARCH64)/sha1 \
1032     target=../../../kernel/crypto/$(ARCH64)/sha1
1033 $(sparc_ONLY)hardlink path=platform/sun4v/kernel/misc/$(ARCH64)/md5 \
1034     target=../../../kernel/crypto/$(ARCH64)/md5
1035 $(i386_ONLY)legacy pkg=SUNWcakr.i arch=$(ARCH).i86pc \
1036     desc="core kernel software for a specific hardware platform group" \
1037     name="Core Solaris Kernel Architecture (Root)"
1038 $(sparc_ONLY)legacy pkg=SUNWcakr.u arch=$(ARCH).sun4u \
1039     desc="core kernel software for a specific hardware platform group" \
1040     name="Core Solaris Kernel Architecture (Root)"
1041 $(sparc_ONLY)legacy pkg=SUNWcakr.v arch=$(ARCH).sun4v \
1042     desc="core kernel software for a specific hardware platform group" \
1043     name="Core Solaris Kernel Architecture (Root)"
1044 $(sparc_ONLY)legacy pkg=SUNWcakrnt2000.v arch=$(ARCH).sun4v \
1045     desc="driver software for the Netra-T2000 hardware platform" \
1046     name="Platform Specific Drivers for Netra-T2000, (Root)"
1047 $(i386_ONLY)legacy pkg=SUNWcakrx.i arch=$(ARCH).i86pc \
1048     desc="core kernel software for the i86xpv virtual hardware platform" \
1049     name="Core Kernel Architecture i86xpv, (Root)"
1050 license cr_Sun license=cr_Sun
1051 license lic_CDDL license=lic_CDDL
```

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1052 license usr/src/cmd/mdb/common/libstand/THIRDPARTYLICENSE \
1053     license=usr/src/cmd/mdb/common/libstand/THIRDPARTYLICENSE
1054 license usr/src/common/bzip2/LICENSE license=usr/src/common/bzip2/LICENSE
1055 $(sparc_ONLY)license usr/src/stand/lib/tcp/THIRDPARTYLICENSE \
1056     license=usr/src/stand/lib/tcp/THIRDPARTYLICENSE
1057 license usr/src/uts/common/krtld/THIRDPARTYLICENSE.bootrd_cpio \
1058     license=usr/src/uts/common/krtld/THIRDPARTYLICENSE.bootrd_cpio
1059 license usr/src/uts/common/sys/THIRDPARTYLICENSE.unicode \
1060     license=usr/src/uts/common/sys/THIRDPARTYLICENSE.unicode
1061 license usr/src/uts/common/zmod/THIRDPARTYLICENSE \
1062     license=usr/src/uts/common/zmod/THIRDPARTYLICENSE
1063 $(i386_ONLY)license usr/src/uts/intel/THIRDPARTYLICENSE \
1064     license=usr/src/uts/intel/THIRDPARTYLICENSE
1065 $(sparc_ONLY)link path=platform/SUNW,A70/kernel/crypto/$(ARCH64)/aes \
1066     target=../../../../sun4u-us3/kernel/crypto/$(ARCH64)/aes
1067 $(sparc_ONLY)link path=platform/SUNW,Netra-CP3010/kernel/crypto/$(ARCH64)/aes \
1068     target=../../../../sun4u-us3/kernel/crypto/$(ARCH64)/aes
1069 $(sparc_ONLY)link path=platform/SUNW,Netra-T12/kernel/$(ARCH64) \
1070     target=../../SUNW,Sun-Fire/kernel/$(ARCH64)
1071 $(sparc_ONLY)link path=platform/SUNW,Netra-T12/kernel/cpu \
1072     target=../../SUNW,Sun-Fire/kernel/cpu
1073 $(sparc_ONLY)link path=platform/SUNW,Netra-T12/kernel/crypto/$(ARCH64)/aes \
1074     target=../../../../sun4u-us3/kernel/crypto/$(ARCH64)/aes
1075 $(sparc_ONLY)link path=platform/SUNW,Netra-T12/kernel/drv/$(ARCH64)/sgcn \
1076     target=../../../../SUNW,Sun-Fire/kernel/drv/$(ARCH64)/sgcn
1077 $(sparc_ONLY)link path=platform/SUNW,Netra-T12/kernel/drv/$(ARCH64)/sgsbbc \
1078     target=../../../../SUNW,Sun-Fire/kernel/drv/$(ARCH64)/sgsbbc
1079 $(sparc_ONLY)link path=platform/SUNW,Netra-T12/kernel/drv/$(ARCH64)/ssm \
1080     target=../../../../SUNW,Sun-Fire/kernel/drv/$(ARCH64)/ssm
1081 $(sparc_ONLY)link path=platform/SUNW,Netra-T12/kernel/misc/$(ARCH64)/sbdp \
1082     target=../../../../SUNW,Sun-Fire/kernel/misc/$(ARCH64)/sbdp
1083 $(sparc_ONLY)link path=platform/SUNW,Netra-T4/kernel/crypto/$(ARCH64)/aes \
1084     target=../../../../sun4u-us3/kernel/crypto/$(ARCH64)/aes
1085 $(sparc_ONLY)link path=platform/SUNW,Netra-T4/kernel/misc/$(ARCH64)/platmod \
1086     target=../../../../SUNW,Sun-Fire-280R/kernel/misc/$(ARCH64)/platmod
1087 $(sparc_ONLY)link \
1088     path=platform/SUNW,SPARC-Enterprise/kernel/cpu/$(ARCH64)/FJSV,SPARC64-VII \
1089     target=FJSV,SPARC64-VI
1090 $(sparc_ONLY)link \
1091     path=platform/SUNW,SPARC-Enterprise/kernel/crypto/$(ARCH64)/aes \
1092     target=../../../../sun4u-us3/kernel/crypto/$(ARCH64)/aes
1093 $(sparc_ONLY)link \
1094     path=platform/SUNW,Sun-Blade-1000/kernel/crypto/$(ARCH64)/aes \
1095     target=../../../../sun4u-us3/kernel/crypto/$(ARCH64)/aes
1096 $(sparc_ONLY)link \
1097     path=platform/SUNW,Sun-Blade-1500/kernel/crypto/$(ARCH64)/aes \
1098     target=../../../../sun4u-us3/kernel/crypto/$(ARCH64)/aes
1099 $(sparc_ONLY)link \
1100     path=platform/SUNW,Sun-Blade-2500/kernel/crypto/$(ARCH64)/aes \
1101     target=../../../../sun4u-us3/kernel/crypto/$(ARCH64)/aes
1102 $(sparc_ONLY)link path=platform/SUNW,Sun-Fire-280R/kernel/crypto/$(ARCH64)/aes \
1103     target=../../../../sun4u-us3/kernel/crypto/$(ARCH64)/aes
1104 $(sparc_ONLY)link path=platform/SUNW,Sun-Fire-480R/kernel/crypto/$(ARCH64)/aes \
1105     target=../../../../sun4u-us3/kernel/crypto/$(ARCH64)/aes
1106 $(sparc_ONLY)link path=platform/SUNW,Sun-Fire-880/kernel/crypto/$(ARCH64)/aes \
1107     target=../../../../sun4u-us3/kernel/crypto/$(ARCH64)/aes
1108 $(sparc_ONLY)link path=platform/SUNW,Sun-Fire-V215/kernel/crypto/$(ARCH64)/aes \
1109     target=../../../../sun4u-us3/kernel/crypto/$(ARCH64)/aes
1110 $(sparc_ONLY)link path=platform/SUNW,Sun-Fire-V240/kernel/crypto/$(ARCH64)/aes \
1111     target=../../../../sun4u-us3/kernel/crypto/$(ARCH64)/aes
1112 $(sparc_ONLY)link path=platform/SUNW,Sun-Fire-V250/kernel/crypto/$(ARCH64)/aes \
1113     target=../../../../sun4u-us3/kernel/crypto/$(ARCH64)/aes
1114 $(sparc_ONLY)link path=platform/SUNW,Sun-Fire-V440/kernel/crypto/$(ARCH64)/aes \
1115     target=../../../../sun4u-us3/kernel/crypto/$(ARCH64)/aes
1116 $(sparc_ONLY)link path=platform/SUNW,Sun-Fire-V440/kernel/drv/$(ARCH64)/ntwdt \
1117     target=../../../../SUNW,Sun-Fire-V240/kernel/drv/$(ARCH64)/ntwdt
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1118 $(sparc_ONLY)link \
1119     path=platform/SUNW,Sun-Fire-V440/kernel/drv/$(ARCH64)/tsalarm \
1120     target=../../../../SUNW,Sun-Fire-V240/kernel/drv/$(ARCH64)/tsalarm
1121 $(sparc_ONLY)link path=platform/SUNW,Sun-Fire-V440/kernel/drv/ntwdt.conf \
1122     target=../../../SUNW,Sun-Fire-V240/kernel/drv/ntwdt.conf
1123 $(sparc_ONLY)link path=platform/SUNW,Sun-Fire-V440/kernel/drv/tsalarm.conf \
1124     target=../../../SUNW,Sun-Fire-V240/kernel/drv/tsalarm.conf
1125 $(sparc_ONLY)link path=platform/SUNW,Sun-Fire-V445/kernel/crypto/$(ARCH64)/aes \
1126     target=../../../../sun4u-us3/kernel/crypto/$(ARCH64)/aes
1127 $(sparc_ONLY)link \
1128     path=platform/SUNW,Sun-Fire/kernel/cpu/$(ARCH64)/SUNW,UltraSPARC-IV \
1129     target=SUNW,UltraSPARC-III+
1130 $(sparc_ONLY)link \
1131     path=platform/SUNW,Sun-Fire/kernel/cpu/$(ARCH64)/SUNW,UltraSPARC-IV+ \
1132     target=SUNW,UltraSPARC-III+
1133 $(sparc_ONLY)link path=platform/SUNW,Sun-Fire/kernel/crypto/$(ARCH64)/aes \
1134     target=../../../../sun4u-us3/kernel/crypto/$(ARCH64)/aes
1135 $(sparc_ONLY)link path=platform/SUNW,Ultra-80/kernel/misc/$(ARCH64)/platmod \
1136     target=../../../../SUNW,Ultra-5_10/kernel/misc/$(ARCH64)/platmod
1137 $(sparc_ONLY)link path=platform/sun4u/kernel/cpu/$(ARCH64)/SUNW,UltraSPARC-IIi \
1138     target=SUNW,UltraSPARC-II
1139 $(sparc_ONLY)link path=platform/sun4u/kernel/cpu/$(ARCH64)/SUNW,UltraSPARC-IV \
1140     target=SUNW,UltraSPARC-III+
1141 $(sparc_ONLY)link path=platform/sun4u/kernel/cpu/$(ARCH64)/SUNW,UltraSPARC-IV+ \
1142     target=SUNW,UltraSPARC-III+
1143 $(sparc_ONLY)link path=platform/sun4u/kernel/misc/$(ARCH64)/des \
1144     target=../../../kernel/crypto/$(ARCH64)/des
1145 $(sparc_ONLY)link path=platform/sun4u/kernel/unix target=$(ARCH64)/unix
1146 $(sparc_ONLY)link path=platform/sun4v/kernel/cpu/$(ARCH64)/sun4v \
1147     target=generic
1148 $(sparc_ONLY)link path=platform/sun4v/kernel/unix target=$(ARCH64)/unix
1149 $(i386_ONLY)link path=usr/share/man/man4/isa.4 target=sysbus.4
1150 $(sparc_ONLY)link path=usr/share/man/man7d/drmach.7d target=dr.7d
1151 link path=usr/share/man/man7d/fdc.7d target=fd.7d
1152 $(sparc_ONLY)link path=usr/share/man/man7d/ngdr.7d target=dr.7d
1153 $(sparc_ONLY)link path=usr/share/man/man7d/ngdrmach.7d target=dr.7d
```