```
**********************************************************
    2156 Sat Jan 12 22:56:05 2019
new/usr/src/man/man3c/byteorder.3c
10229 Some man pages have incorrect cross-references
**********************************************************
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.\" Copyright 2018 Nexenta Systems, Inc.
.\"
.Dd August 2, 2018
.Dt BYTEORDER 3C
.Os
.Sh NAME
.Nm byteorder ,
.Nm htonl ,
.Nm htonll ,
.Nm htons ,
.Nm ntohl ,
.Nm ntohll ,
.Nm ntohs
.Nd convert values between host and network byte order
.Sh LIBRARY
.Lb libc
.Sh SYNOPSIS
.In sys/types.h
.In netinet/in.h
.In inttypes.h
.Ft uint32_t
.Fo htonl
.Fa "uint32_t hostlong"
.Fc
.Ft uint64_t
.Fo htonll
.Fa "uint64_t hostlonglong"
.Fc
.Ft uint16_t
.Fo htons
.Fa "uint16_t hostshort"
.Fc
.Ft uint32_t
.Fo ntohl
.Fa "uint32_t netlong"
.Fc
.Ft uint64_t
.Fo ntohll
.Fa "uint64_t netlonglong"
.Fc
.Ft uint16_t
.Fo ntohs
```



```
.Fa "uint16_t netshort"
.Fc
.Sh DESCRIPTION
These functions convert 16-bit, 32-bit, and 64-bit quantities between network
byte order and host byte order.
On some architectures these routines are defined as
.Dv NULL
macros in the include file
.In netinet/in.h .
On other architectures, the routines are functional when the host byte order is
different from network byte order.
.Pp
These functions are most often used in conjunction with Internet addresses and
ports as returned by
.Xr gethostent 3NSL
and
.Xr getservent 3SOCKET .
.Xr getservent 3NSL .
.Sh MT-LEVEL
.Sy Safe
.Sh SEE ALSO
.Xr inet.h 3HEAD ,
.Xr gethostent 3NSL ,
.Xr getservent 3SOCKET ,
.Xr getservent 3NSL ,
.Xr attributes 5 ,
.Xr byteorder 5
```

```
**********************************************************
    1923 Sat Jan 12 22:56:05 2019
new/usr/src/man/man3c/memset_s.3c
10229 Some man pages have incorrect cross-references
**********************************************************
```

```
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.\"
.\" Copyright 2018 Nexenta Systems, Inc.
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.Dd August 12, 2017
.Dt MEMSET_S 3C
.Os
.Sh NAME
.Nm memset_s
.Nd copy a value to all bytes of a memory buffer
.Sh LIBRARY
.Lb libc
.Sh SYNOPSIS
.Fd #define __STDC_WANT_LIB_EXT1__ 1
.In string.h
.Ft errno_t
.Fo memset_s
.Fa "void *s"
.Fa "rsize_t smax"
.Fa "int c"
.Fa "rsize_t n"
.Fc
.Sh DESCRIPTION
The
.Fn memset_s
function copies the value of
.Fa c
.Po converted to an
.Vt unsigned char
.Pc
into each of the first
.Fa n
bytes of the memory buffer pointed to by
.Fa s .
.Pp
Unlike the
.Xr memset 3C ,
.Fn memset_s
is guaranteed to never be optimized away by the compiler.
.Pp
The
.Fn memset_s
function detects the following runtime-constraint violations:
.Bl -enum
.It
.Fa s
is a
.Dv NULL
pointer.
.It
.Fa smax
or
```



```
.Fa n
is greater than
.Dv RSIZE_MAX .
.It
.Fa n
is greater than
.Fa smax
.Pq buffer overflow .
.El
.Pp
If runtime-constraint violation is detected, and if
.Fa s
and
.Fa smax
are valid, the
.Fn memset_s
function copies the value of
.Fa c
.Po converted to an
.Vt unsigned char
.Pc
into each of the first
.Fa smax
bytes of the memory buffer pointed to by
.Fa s
before calling the runtime-constraint handler.
.Sh RETURN VALUES
The
.Fn memset_s
function returns 0 if there was no runtime-constraint violation.
Otherwise, a non-zero value is returned.
.Sh INTERFACE STABILITY
.Sy Standard
.Sh MT-LEVEL
.Sy Safe
.Sh SEE ALSO
.Xr memset 3C ,
.Xr set_constraint_handler_s 3C
.Xr set_constraint_handler 3C
.Sh STANDARDS
The
.Fn memset_s
function conforms to
.St -isoC-2011 .
```

```
**********************************************************
    2490 Sat Jan 12 22:56:05 2019
new/usr/src/man/man3head/endian.h.3head
10229 Some man pages have incorrect cross-references
**********************************************************
```

```
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.\"
.\" Copyright 2016 Joyent, Inc.
.\"
.Dd August 2, 2018
.Dt ENDIAN.H 3HEAD
.Os
.Sh NAME
.Nm endian.h
.Nd definitions for endian routines
.Sh SYNOPSIS
.In endian.h
.Sh DESCRIPTION
The
.In endian.h
header defines functions and macros focused on converting data between
the host machines native byte order and big or little-endian values.
While the manual page details the macros defined by
.In endian.h ,
the functions are documented separately in
.Xr endian 3C .
.Xr endian 3C.
More information on endianness and a general background on the topic can
be found in
.Xr byteorder 5 .
.Pp
The
.In endian.h
header defines the following macros:
.Bl -tag -width Ds
.It Sy LITTLE_ENDIAN
A constant used to indicate a little-endian integer.
It is always defined, regardless of the actual endianess of the underlying
platform.
This macro should be used to compare against the
.Sy BYTE_ORDER
macro.
.It Sy BIG_ENDIAN
A constant used to indicate a big-endian integer.
It is always defined, regardless of the actual endianess of the underlying
platform.
This macro should be used to compare against the
.Sy BYTE_ORDER
macro.
.It Sy PDP_ENDIAN
A constant used to indicate the endianness used for four byte values on
the PDP-11.
It is always defined, regardless of the actual endianess of the underlying
platform.
This macro should be used to compare against the
.Sy BYTE_ORDER
macro.
```



```
.It Sy BYTE_ORDER
The value of the
.Sy BYTE_ORDER
macro will be one of
.Sy LITTLE_ENDIAN
or
.Sy BIG_ENDIAN .
At this time, no supported architectures use the byte order indicated by
the
.Sy PDP_ENDIAN
macro.
.Pp
To determine the byte order of a system, one may compare the
.Sy BYTE_ORDER
to one of the aforementioned macros.
.El
.Pp
In addition to the routines provided by this header, standardized
functions may be found in
.Xr byteorder 3C .
The header
.Xr types.h 3HEAD
also defines additional pre-processor symbols to determine the current
endianness of the system.
.Sh INTERFACE STABILITY
.Sy Committed
.Sh SEE ALSO
.Xr byteorder 3C ,
.Xr endian 3C ,
.Xr types.h 3HEAD ,
.Xr attributes 5 ,
.Xr byteorder 5
```

```
**********************************************************
   34610 Sat Jan 12 22:56:05 2019
new/usr/src/man/man3lib/libproc.3lib
10229 Some man pages have incorrect cross-references
**********************************************************
```

```
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.Dd September 15, 2018
.Dt LIBPROC 3LIB
.Os
.Sh NAME
.Nm libproc
.Nd process control library
.Sh SYNOPSIS
.Lb libproc
.In libproc.h
.Sh DESCRIPTION
The
.Nm
library provides consumers a general series of interfaces to inspect
and control both live processes and core files.
It is intended for introspection tools such as debuggers by providing a
high-level interface to the /proc file system
.Pf ( Xr proc 4 ) .
.Pp
The
.Nm
library provides interfaces that focus on:
.Bl -bullet -offset indent
.It
Creating and attaching to live process, core files, and arbitrary ELF
objects.
.It
Interrogating the state of a process or core file.
.It
Manipulating the current state of a process or thread.
.It
Interrogating the state of threads of a process or core file.
.It
Running system calls in the context of another process.
.It
Various utilities for iterating process and core file file descriptors,
mappings, symbols, and more.
.It
Various utilities to support debugging tools.
.El
.Ss Live Processes
The
.Nm
library can be used to manipulate running processes and to create new
ones.
To manipulate an existing process first
.Em grab
it with the
.Fn Pgrab
```



```
function.
A process is generally stopped as a side effect of grabbing it.
Callers must exercise caution, as if they do not use the library correctly, or
they terminate unexpectedly, a process may remain stopped.
.Pp
Unprivileged users may only grab their own processes.
Users with the privilege
.Brq Sy PRIV_PROC_OWNER
may manipulate processes that they do not own; however, additional
restrictions as described in
.Xr privileges 5
apply.
.Pp
In addition, the
.Fn Pcreate
and
.Fn Pxcreate
functions may be used to create processes which are always controlled by
the library.
.Ss Core Files
The
.Nm
library has the ability to open and interpret core files produced by
processes on the system.
Process core dump generation is controlled by the
.Xr coreadm 1M
command.
In addition, the library has the ability to understand and interpret core dumps
generated by Linux kernel and can provide a subset of its functionality on such
core files, provided the original binary is also present.
.Pp
Not all functions in the
.Nm
library are valid for core files.
In general, none of the commands which manipulate the current state of a process
or thread or that try to force system calls on a victim process will work.
Furthermore several of the information and iteration interfaces are limited
based on the data that is available in the core file.
For example, if the core file is of a process that omits the frame pointer, the
ability to iterate the stack will be limited.
.Pp
Use the
.Fn Pgrab_core
or
.Fn Pfgrab_core
function to open a core file.
Use the
.Fn Pgrab_file
function to open an ELF object file.
This is useful for obtaining information stored in ELF headers and
sections.
.Ss Debug Information
Many of the operations in the library rely on debug information being
present in a process and its associated libraries.
The library leverages symbol table information, CTF data
.Pq Xr ctf 4
.Pq Xr CTF 4
sections, and frame unwinding information based on the use of an ABI
defined frame pointer, e\&.g\&.
.Sy %ebp
and
.Sy %rbp
on x86 systems.
.Pp
Some software providers strip programs of this information or build
their executables such that the information will not be present in a
```

```
127 core dump.
128 To deal with this fact, the library is able to consume information that is not
129 present in the core file or the running process.
130 It can both consume it from the underlying executable and it also supports
131 finding it from related ELF objects that are linked to it via the
132 .Sy .gnu_debuglink
133 and the
134 .Sy .note.gnu.build-id
135 ELF sections.
136 .Ss Iteration Interfaces
137 The
138 .Nm
139 library provides the ability to iterate over the following aspects of a
140 process or core file:
141 .Bl -bullet -offset indent
142 .It
143 Active threads
144 .It
145 Active and zombie threads
146 .It
147 All non-system processes
148 .It
149 All process mappings
150 .It
151 All objects in a process
152 .It
153 The environment
154 .It
155 The symbol table
156 .It
157 Stack frames
158 .It
159 File Descriptors
160 .El
161 .Ss System Call Injection
162 The
163 .Nm
164 library allows the caller to force system calls to be executed in the
165 context of the running process.
166 This can be used both as a tool for introspection, allowing one to get
167 information outside its current context as well as performing modifications to a
168 process.
169 .Pp
170 These functions run in the context of the calling process.
171 This is often an easier way of getting non-exported information about a
172 process from the system.
173 For example, the
174 .Xr pfiles 1
175 command uses this interface to get more detailed information about a
176 process’s open file descriptors, which it would not have access to
177 otherwise.
178 .Sh INTERFACES
179 The shared object
180 .Sy libproc.so.1
181 provides the public interfaces defined below.
182 See
183 .Xr Intro 3
184 for additional information on shared object interfaces.
185 Functions are organized into categories that describe their purpose.
186 Individual functions are documented in their own manual pages.
187 .Ss Creation, Grabbing, and Releasing
188 The following routines are related to creating library handles,
189 grabbing cores, processes, and threads, and releasing those resources.
190 .Bl -column -offset indent ".Sy Pmapping_iter_resolved" ".Sy Psymbol_iter_by_add
191 .It Sy Lfree Ta Sy Lgrab
192 .It Sy Lgrab_error Ta Sy Pcreate
```



```
193 .It Sy Pcreate_agent Ta Sy Pcreate_callback
194 .It Sy Pcreate_error Ta Sy Pdestroy_agent
195 .It Sy Pfgrab_core Ta Sy Pfree
196 .It Sy Pgrab Ta Sy Pgrab_core
197 .It Sy Pgrab_error Ta Sy Pgrab_file
198 .It Sy Pgrab_ops Ta Sy Prelease
199 .It Sy Preopen Ta Sy Pxcreate
200 .El
201 .Ss Process interrogation and manipulation
202 The following routines obtain information about a process and allow
203 manipulation of the process itself.
204 .Bl -column -offset indent ".Sy Pmapping_iter_resolved" ".Sy Psymbol_iter_by_add
205 .It Sy Paddr_to_ctf Ta Sy Paddr_to_loadobj
206 .It Sy Paddr_to_map Ta Sy Paddr_to_text_map
207 .It Sy Pasfd Ta Sy Pclearfault
208 .It Sy Pclearsig Ta Sy Pcontent
209 .It Sy Pcred Ta Sy Pctlfd
210 .It Sy Pdelbkpt Ta Sy Pdelwapt
211 .It Sy Pdstop Ta Sy Pexecname
212 .It Sy Pfault Ta Sy Pfgcore
213 .It Sy Pgcore Ta Sy Pgetareg
214 .It Sy Pgetauxval Ta Sy Pgetauxvec
215 .It Sy Pgetenv Ta Sy Pisprocdir
216 .It Sy Pissyscall_prev Ta Sy Plmid
217 .It Sy Plmid_to_loadobj Ta Sy Plmid_to_map
218 .It Sy Plookup_by_addr Ta Sy Plookup_by_name
219 .It Sy Plwp_alt_stack Ta Sy Plwp_getfpregs
220 .It Sy Plwp_getname Ta Sy Plwp_getpsinfo
221 .It Sy Plwp_getregs Ta Sy Plwp_getspymaster
222 .It Sy Plwp_main_stack Ta Sy Plwp_setfpregs
223 .It Sy Plwp_setregs Ta Sy Plwp_stack
224 .It Sy Pname_to_ctf Ta Sy Pname_to_loadobj
225 .It Sy Pname_to_map Ta Sy Pobjname
226 .It Sy Pobjname_resolved Ta Sy Pplatform
227 .It Sy Ppltdest Ta Sy Ppriv
228 .It Sy Ppsinfo Ta Sy Pputareg
229 .It Sy Prd_agent Ta Sy Pread
230 .It Sy Pread_string Ta Sy Preset_maps
231 .It Sy Psetbkpt Ta Sy Psecflags
232 .It Sy Psetcred Ta Sy Psetfault
233 .It Sy Psetflags Ta Sy Psetpriv
234 .It Sy Psetrun Ta Sy Psetsignal
235 .It Sy Psetsysentry Ta Sy Psetsysexit
236 .It Sy Psetwapt Ta Sy Psetzoneid
237 .It Sy Psignal Ta Sy Pstate
238 .It Sy Pstatus Ta Sy Pstop
239 .It Sy Pstopstatus Ta Sy Psync
240 .It Sy Psysentry Ta Sy Psysexit
241 .It Sy Puname Ta Sy Punsetflags
242 .It Sy Pupdate_maps Ta Sy Pupdate_syms
243 .It Sy Pwait Ta Sy Pwrite
244 .It Sy Pxecbkpt Ta Sy Pxecwapt
245 .It Sy Pxlookup_by_addr Ta Sy Pxlookup_by_addr_resolved
246 .It Sy Pxlookup_by_name Ta Sy Pzonename
247 .It Sy Pzonepath Ta Sy Pzoneroot Ta
248 .El
249 .Ss Thread interrogation and manipulation
250 The following routines obtain information about a thread and allow
251 manipulation of the thread itself.
252 .Bl -column -offset indent ".Sy Pmapping_iter_resolved" ".Sy Psymbol_iter_by_add
253 .It Sy Lalt_stack Ta Sy Lclearfault
254 .It Sy Lclearsig Ta Sy Lctlfd
255 .It Sy Ldstop Ta Sy Lgetareg
256 .It Sy Lmain_stack Ta Sy Lprochandle
257 .It Sy Lpsinfo Ta Sy Lputareg
258 .It Sy Lsetrun Ta Sy Lstack
```

```
.It Sy Lstate Ta Sy Lstatus
.It Sy Lstop Ta Sy Lsync
.It Sy Lwait Ta Sy Lxecbkpt
.It Sy Lxecwapt Ta ""
.El
.Ss System Call Injection
The following routines are used to inject specific system calls and have
them run in the context of a process.
.Bl -column -offset indent ".Sy Pmapping_iter_resolved" ".Sy Psymbol_iter_by_add
.It Sy pr_access Ta Sy pr_close
.It Sy pr_creat Ta Sy pr_door_info
.It Sy pr_exit Ta Sy pr_fcntl
.It Sy pr_fstat Ta Sy pr_fstat64
.It Sy pr_fstatvfs Ta Sy pr_getitimer
.It Sy pr_getpeername Ta Sy pr_getpeerucred
.It Sy pr_getprojid Ta Sy pr_getrctl
.It Sy pr_getrlimit Ta Sy pr_getrlimit64
.It Sy pr_getsockname Ta Sy pr_getsockopt
.It Sy pr_gettaskid Ta Sy pr_getzoneid
.It Sy pr_ioctl Ta Sy pr_link
.It Sy pr_llseek Ta Sy pr_lseek
.It Sy pr_lstat Ta Sy pr_lstat64
.It Sy pr_memcntl Ta Sy pr_meminfo
.It Sy pr_mmap Ta Sy pr_munmap
.It Sy pr_open Ta Sy pr_processor_bind
.It Sy pr_rename Ta Sy pr_setitimer
.It Sy pr_setrctl Ta Sy pr_setrlimit
.It Sy pr_setrlimit64 Ta Sy pr_settaskid
.It Sy pr_sigaction Ta Sy pr_stat
.It Sy pr_stat64 Ta Sy pr_statvfs
.It Sy pr_unlink Ta Sy pr_waitid
.El
.Ss Iteration routines
These routines are used to iterate over the contents of a process.
.Bl -column -offset indent ".Sy Pmapping_iter_resolved" ".Sy Psymbol_iter_by_add
.It Sy Penv_iter Ta Sy Plwp_iter
.It Sy Plwp_iter_all Ta Sy Pmapping_iter
.It Sy Pmapping_iter_resolved Ta Sy Pobject_iter
.It Sy Pobject_iter_resolved Ta Sy Pstack_iter
.It Sy Psymbol_iter Ta Sy Psymbol_iter_by_addr
.It Sy Psymbol_iter_by_lmid Ta Sy Psymbol_iter_by_name
.It Sy Pxsymbol_iter Ta Sy Pfdinfo_iter
.El
.Ss Utility routines
The following routines are utilities that are useful to consumers of the
library.
.Bl -column -offset indent ".Sy Pmapping_iter_resolved" ".Sy Psymbol_iter_by_add
.It Sy Perror_printf Ta Sy proc_arg_grab
.It Sy proc_arg_psinfo Ta Sy proc_arg_xgrab
.It Sy proc_arg_xpsinfo Ta Sy proc_content2str
.It Sy proc_finistdio Ta Sy proc_fltname
.It Sy proc_fltset2str Ta Sy proc_flushstdio
.It Sy proc_get_auxv Ta Sy proc_get_cred
.It Sy proc_get_priv Ta Sy proc_get_psinfo
.It Sy proc_get_status Ta Sy proc_initstdio
.It Sy proc_lwp_in_set Ta Sy proc_lwp_range_valid
.It Sy proc_signame Ta Sy proc_sigset2str
.It Sy proc_str2content Ta Sy proc_str2flt
.It Sy proc_str2fltset Ta Sy proc_str2sig
.It Sy proc_str2sigset Ta Sy proc_str2sys
.It Sy proc_str2sysset Ta Sy proc_sysname
.It Sy proc_sysset2str Ta Sy proc_unctrl_psinfo
.It Sy proc_walk Ta ""
.El
.Ss x86 Specific Routines
The following routines are specific to the x86, 32-bit and 64-bit,
```



```
versions of the
.Nm
library.
.Bl -column -offset indent ".Sy Pmapping_iter_resolved" ".Sy Psymbol_iter_by_add
.It Sy Pldt Ta Sy proc_get_ldt
.El
.Ss SPARC specific Routines
The following functions are specific to the SPARC, 32-bit and 64-bit,
versions of the
.Nm
library.
.Bl -column -offset indent ".Sy Pmapping_iter_resolved" ".Sy Psymbol_iter_by_add
.It Sy Plwp_getgwindows Ta Sy Plwp_getxregs
.It Sy Plwp_setxregs Ta Sy ""
.El
.Pp
The following functions are specific to the 64-bit SPARC version of the
.Nm
library.
.Bl -column -offset indent ".Sy Pmapping_iter_resolved" ".Sy Psymbol_iter_by_add
.It Sy Plwp_getasrs Ta Sy Plwp_setasrs
.El
.Sh PROCESS STATES
Every process handle that exists in
.Nm
has a state.
In some cases, such as for core files, these states are static.
In other cases, such as handles that correspond to a running process or a
created process, these states are dynamic and change based on actions taken in
the library.
The state can be obtained with the
.Xr Pstate 3PROC
function.
.Pp
The various states are:
.Bl -tag -width Dv -offset indent
.It Dv PS_RUN
An actively running process.
This may be a process that was obtained by creating it with functions such as
.Xr Pcreate 3PROC
or by grabbing an existing process such as
.Xr Pgrab 3PROC .
.It Dv PS_STOP
An active process that is no longer executing.
A process may stop for many reasons such as an explicit stop request (through
.Xr pstop 1
for example) or if a tracing event is hit.
.Pp
The reason a process is stopped may be obtained through the thread’s
.Vt lwpstatus_t
structure read directly from /proc or obtained through the
.Xr Lstatus 3PROC
function.
.It Dv PS_LOST
Control over the process has been lost.
This may happen when the process executes a new image requiring a different set
of privileges.
To resume control call
.Xr Preopen 3PROC .
For more information on losing control of a process, see
.Xr proc 4 .
.It Dv PS_UNDEAD
A zombie process.
It has terminated, but it has not been cleaned up yet by its parent.
For more on the conditions of becoming a zombie, see
.Xr exec 2 .
```

```
.It Dv PS_DEAD
Processes in this state are always core files.
See the earlier section
.Sx Core Files
for more information on working with core files.
.It Dv PS_IDLE
A process that has never been run.
This is always the case for handles that refer to files as the files cannot be
executed.
Those process handles are obtained through calling
.Xr Pgrab_file 3PROC .
.El
.Pp
Many functions relating to tracing processes, for example
.Xr Psignal 3PROC ,
.Xr Psetsignal 3PROC ,
.Xr Psetfault 3PROC ,
.Xr Psysentry 3PROC ,
and others, mention that they only act upon
.Em Active Processes .
This specifically refers to processes whose state are in
.Dv PS_RUN
and
.Dv PS_STOP .
Process handles in the other states have no notion of settable tracing
flags, though core files
.Pq type Dv PS_DEAD
may have a read-only snapshot of their tracing settings available.
.Sh TYPES
The
.Nm
library uses many types that come from the /proc file system
.Pq Xr proc 4
and the ELF format
.Pq Xr elf 3ELF .
However, it also defines the following types:
.Pp
.Vt struct ps_prochandle
.Pp
The
.Vt struct ps_prochandle
is an opaque handle to the library and the core element of control for a
process.
Consumers obtain pointers to a handle through the use of the
.Fn Pcreate ,
.Fn Pgrab ,
and related functions.
When a caller is done with a handle, then it should call one of the
.Fn Pfree
and
.Fn Prelease
functions to relinquish the handle, release associated resources, and
potentially set the process to run again.
.Pp
.Vt struct ps_lwphandle
.Pp
The
.Vt struct ps_lwphandle
is analogous to the
.Vt struct ps_prochandle ,
but it represents the control of an individual thread, rather than a
process.
Consumers obtain pointers to a handle through the
.Fn Lgrab
function and relinquish it with the
.Fn Lfree
```



```
function.
.Pp
.Vt core_content_t
.Pp
The
.Vt core_content_t
is a value which describes the various content types of core files.
These are used in functions such as
.Xr Pcontent 3PROC
and
.Xr Pgcore 3PROC
to describe and control the types of content that get included.
Various content types may be included together through a bitwise-inclusive-OR.
The default system core contents are controlled with the
.Xr coreadm 1M
tool.
The following table lists the current set of core contents in the system, though
the set may increase over time.
The string after the macro is the human readable string that corresponds with
the constant and is used by
.Xr coreadm 1M ,
.Xr proc_content2str 3PROC ,
and
.Xr proc_str2content 3PROC .
.Bl -tag -offset indent -width indent
.It Dv CC_CONTENT_STACK ("stack")
The contents include the process stack.
Note, this only covers the main thread's stack.
The stack of other threads is covered by
.Dv CC_CONTENT_ANON .
.It Dv CC_CONTENT_HEAP ("heap")
The contents include the process heap.
.It Dv CC_CONTENT_SHFILE ("shfile")
The contents include shared mappings that are backed by files (e.g.
mapped through
.Xr mmap 2
with the
.Dv MAP_SHARED
flag).
.It Dv CC_CONTENT_SHANNON ("shannon")
The contents include shared mappings that are backed by anonymous memory
(e.g. mapped through
.Xr mmap 2
with the
.Dv MAP_SHARED
and
.Dv MAP_ANON
flags).
.It Dv CC_CONTENT_RODATA ("rodata")
The contents include private read-only file mappings, such as shared
library text.
.It Dv CC_CONTENT_ANON ("anon")
The contents include private anonymous mappings.
This includes the stacks of threads which are not the main thread.
.It Dv CC_CONTENT_SHM ("shm")
The contents include system V shared memory.
.It Dv CC_CONTENT_ISM ("ism")
The contents include ISM (intimate shared memory) mappings.
.It Dv CC_CONTENT_DISM ("dism")
The contents include DISM (dynamic shared memory) mappings.
.It Dv CC_CONTENT_CTF ("ctf")
The contents include
.Xr ctf 4
(Compact C Type Format) information.
Note, not all objects in the process may have CTF information available.
.It Dv CC_CONTENT_SYMTAB ("symtab")
```

```
 523 The contents include the symbol table.
 524 Note, not all objects in the process may have a symbol table available.
 525 .It Dv CC_CONTENT_ALL ("all")
 526 This value indicates that all of the above content values are present.
 527 Note that additional values may be added in the future, in which case
 528 the value of the symbol will be updated to include them.
 529 Comparisons with
 530 .Dv CC_CONTENT_ALL
 531 should validate all the expected bits are set by an expression such as
 532 .Li (c & CC_CONTENT_ALL) == CC_CONTENT_ALL .
 533 .It Dv CC_CONTENT_NONE ("none")
 534 This value indicates that there is no content present.
 535 .It Dv CC_CONTENT_DEFAULT ("default")
 536 The content includes the following set of default values:
 537 .Dv CC_CONTENT_STACK ,
 538 .Dv CC_CONTENT_HEAP ,
 539 .Dv CC_CONTENT_ISM ,
 540 .Dv CC_CONTENT_DISM ,
 541 .Dv CC_CONTENT_SHM ,
 542 .Dv CC_CONTENT_SHANON ,
 543 .Dv CC_CONTENT_TEXT ,
 544 .Dv CC_CONTENT_DATA ,
 545 .Dv CC_CONTENT_RODATA ,
 546 .Dv CC_CONTENT_ANON ,
 547 .Dv CC_CONTENT_CTF ,
 548 and
 549 .Dv CC_CONTENT_SYMTAB .
 550 Note that the default may change.
 551 Comparisons with CC_CONTENT_DEFAULT should validate that all of the expected
 552 bits are set with an expression such as
 553 .Li (c\ &\ CC_CONTENT_DEFAULT)\ ==\ CC_CONTENT_DEFAULT .
 554 .It Dv CC_CONTENT_INVALID
 555 This indicates that the contents are invalid.
 556 .El
 557 .Pp
 558 .Vt prfdinfo_t
 559 .Pp
 560 The
 561 .Vt prfdinfo_t
 562 structure is used with the
 563 .Fn Pfdinfo_iter
 564 function which describes information about a file descriptor.
 565 The structure is defined as follows:
 566 .Bd -literal
 567 typedef struct prfdinfo {
 568         int             pr_fd;
 569         mode_t          pr_mode;
 570         uid_t           pr_uid;
 571         gid_t           pr_gid;
 572         major_t         pr_major;       /* think stat.st_dev */
 573         minor_t         pr_minor;
 574         major_t         pr_rmajor;      /* think stat.st_rdev */
 575         minor_t         pr_rminor;
 576         ino64_t         pr_ino;
 577         off64_t         pr_offset;
 578         off64_t         pr_size;
 579         int             pr_fileflags;   /* fcntl(F_GETXFL), etc */
 580         int             pr_fdflags;     /* fcntl(F_GETFD), etc. */
 581         char            pr_path[MAXPATHLEN];
 582 } prfdinfo_t;
_____unchanged_portion_omitted_
```

```
**********************************************************
    1324 Sat Jan 12 22:56:05 2019
new/usr/src/man/man3proc/Pgrab_error.3proc
10229 Some man pages have incorrect cross-references
**********************************************************
```

```
.\"
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.\"
.\"
.\" Copyright 2015 Joyent, Inc.
.\"
.Dd May 11, 2016
.Dt PGRAB_ERROR 3PROC
.Os
.Sh NAME
.Nm Pgrab_error
.Nd get Pgrab error message string
.Sh LIBRARY
.Lb libproc
.Sh SYNOPSIS
.In libproc.h
.Ft "const char *"
.Fo Pgrab_error
.Fa "int error"
.Fc
.Sh DESCRIPTION
The
.Fn Pgrab_error
function returns a pointer to a human-readable character string
describing the error that occurred.
This function only knows how to translate errors that are stored in
.Fa perr
during a failed call to
.Xr Pgrab 3PROC ,
.Xr Pfgrab_core 3PROC ,
.Xr Pfgrab_core 3PROC,
.Xr Pgrab_core 3PROC ,
or
.Xr Pgrab_file 3PROC .
.Sh RETURN VALUES
The
.Fn Pgrab_error
function always returns a pointer to a character string that describes
the error that occurred, even if it is an unknown error.
.Sh INTERFACE STABILITY
.Sy Uncommitted
.Sh MT-LEVEL
.Sy MT-Safe
.Sh SEE ALSO
.Xr libproc 3LIB ,
.Xr Pgrab 3PROC ,
.Xr Pgrab_core 3PROC ,
.Xr Pgrab_file 3PROC
```

```
**********************************************************
    2019 Sat Jan 12 22:56:05 2019
new/usr/src/man/man3proc/Psignal.3proc
10229 Some man pages have incorrect cross-references
**********************************************************
```

```
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.\"
.\"
.\" Copyright 2015 Joyent, Inc.
.\"
.Dd May 11, 2016
.Dt PSIGNAL 3PROC
.Os
.Sh NAME
.Nm Psignal
.Nd set signal tracing action
.Sh LIBRARY
.Lb libproc
.Sh SYNOPSIS
.In libproc.h
.Ft int
.Fo Psignal
.Fa "struct ps_prochandle *P"
.Fa "int which"
.Fa "int stop"
.Fc
.Sh DESCRIPTION
The
.Fn Psignal
function sets the signal tracing flag for the process handle
.Fa P .
If
.Fa stop
is
.Sy non-zero
it causes the process handle to stop threads that encounter the signal
.Fa which .
If
.Fa stop
is
.Sy zero ,
then it disables tracing for the signal
.Fa which .
.Pp
The signal constants, representing valid values for
.Fa which ,
can be found in
.Xr signal.h 3HEAD .
.Xr signal.h 3HEAD.
The signal
.Dv SIGKILL
may not be stopped.
.Pp
Note, only active processes may have their signal tracing flags updated.
Process handles that refer to core files, zombie processes, and files do
not have signal tracing flags.
Calling this function on them is an error.
.Sh RETURN VALUES
```



```
Upon successful completion, the
.Fn Psignal
function returns the previous disposition of the signal
.Fa which .
It returns
.Sy 1
if it was set and
.Sy 0
if not.
Otherwise,
.Sy -1
is returned and
.Sy errno
is set to indicate the error.
.Sh ERRORS
The
.Fn Psignal
function will fail if:
.Bl -tag -width Er
.It Er EINVAL
.Fa which
is
.Dv SIGKILL
and
.Fa stop
is non-zero .
.Pp
.Fa which
is not a valid signal.
.It Er ENOENT
.Fa P
does not correspond to an active process.
.El
.Sh INTERFACE STABILITY
.Sy Uncommitted
.Sh MT-LEVEL
See
.Sy LOCKING
in
.Xr libproc 3LIB .
.Sh SEE ALSO
.Xr signal.h 3HEAD ,
.Xr libproc 3LIB ,
.Xr Psetsignal 3PROC ,
.Xr proc 4
```

```
**********************************************************
    2892 Sat Jan 12 22:56:05 2019
new/usr/src/man/man5/pam_timestamp.5
10229 Some man pages have incorrect cross-references
**********************************************************
```

```
.\"
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.\"
.\" Copyright 2014 Nexenta Systems, Inc.
.\"
.Dd Nov 26, 2017
.Dt PAM_TIMESTAMP 5
.Os
.Sh NAME
.Nm pam_timestamp
.Nd PAM authentication module using cached successful authentication attempts
.Sh SYNOPSIS
.Nm pam_timestamp.so.1
.Op Ar debug
.Op Ar timeout=min
.Sh DESCRIPTION
The
.Nm
module caches successful tty-based authentication attempts by
creating user’s directories and per tty timestamp files in the
common timestamp directory
.Pa /var/run/tty_timestamps .
Next authentication, if the timestamp file exist and not expired,
the user will not be asked for a password, otherwise timestamp
file will be deleted and user will be prompted to enter a password.
.Lp
The PAM items
.Dv PAM_USER ,
.Dv PAM_AUSER
and
.Dv PAM_TTY
are used by this module.
.Sy pam_timestamp
is normally configured as
.Sy sufficient
and must be used in conjunction with the modules that support
the UNIX authentication, which are
.Xr pam_authtok_get 5 ,
.Xr pam_unix_cred 5
and
.Xr pam_unix_auth 5 .
Proper authentication operation requires
.Xr pam_unix_cred 5
be stacked above
.Nm .
.Sh OPTIONS
.Bl -tag -width Ds
.It Dv debug
Provides
.Xr syslog 3C
.Xr syslog 3
debugging information at the
.Sy LOG_AUTH | LOG_DEBUG
level.
```



```
.It Dv timeout
Specifies the period (in minutes) for which the timestamp file is valid.
The default value is 5 minutes.
.El
.Sh FILES
.Bl -tag -width indent
.It Pa /var/run/tty_timestamps/...
stores timestamp directories and files
.El
.Sh EXIT STATUS
.Bl -tag -width Ds
.It Dv PAM_SUCCESS
Timestamp file is not expired.
.It Dv PAM_IGNORE
The
.Nm
module was not able to retrieve required credentials
or timestamp file is expired or corrupt.
.El
.Sh EXAMPLES
.Ss Example 1 Allowing su authentication
.
The following example is a
.Xr pam.conf 4
fragment that illustrates default settings for allowing
.Xr su 1M
authentication:
.Bd -literal -offset indent
su  auth required       pam_unix_cred.so.1
su  auth sufficient     pam_timestamp.so.1
su  auth requisite      pam_authtok_get.so.1
su  auth required       pam_unix_auth.so.1
.Ed
.Ss Example 2 Changing default timeout
.
The default timeout set to 10 minutes:
.Bd -literal -offset indent
su  auth required       pam_unix_cred.so.1
su  auth sufficient     pam_timestamp.so.1      timeout=10
su  auth requisite      pam_authtok_get.so.1
su  auth required       pam_unix_auth.so.1
.Ed
.Sh INTERFACE STABILITY
.Sy Uncommitted .
.Sh MT LEVEL
.Sy MT-Safe .
.Sh SEE ALSO
.Xr su 1M ,
.Xr syslog 3C ,
.Xr pam 3PAM ,
.Xr pam_sm_authenticate 3PAM ,
.Xr pam_sm_setcred 3PAM ,
.Xr pam.conf 4
```

```
**********************************************************
    5817 Sat Jan 12 22:56:06 2019
new/usr/src/man/man7d/usba.7d
10229 Some man pages have incorrect cross-references
**********************************************************
.\" Copyright (c) 2009, Sun Microsystems, Inc.  All Rights Reserved
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.\"  See the License for the specific language governing permissions and limitat
.\" the fields enclosed by brackets "[]" replaced with your own identifying info
.Dd May 13, 2017
.Dt USBA 7D
.Os
.Sh NAME
.Nm usba ,
.Nm usb
.Nd illumos USB Architecture (USBA)
.Sh DESCRIPTION
USB provides a low-cost means for attaching peripheral devices, including
mass-storage devices, keyboards, mice, and printers, to a system.
For complete information on the USB architecture, visit the USB website at
http://www.usb.org.
.Pp
USBA supports 126 hot-pluggable USB devices per USB bus.
The maximum data transfer rate is 5 Gbits (SuperSpeed USB 3.0), 480 Mbits (high
speed USB 2.0), 12 Mbits (full speed USB 1.x), or 1.5 Mbits (low speed USB 1.x).
.Pp
USBA adheres to the
.Em Universal Serial Bus 3.0
specification and provides a transport layer abstraction to USB client
drivers.
.Pp
For information on how to write USB client drivers, see
.Em Writing Device Drivers .
For the latest information on writing USB drivers, visit
.Em http://illumos.org/books/wdd .
For a complete list of USBA interfaces, see
.Xr Intro 9F
or
.Xr Intro 9S .
.Pp
Devices without a driver may be able to leverage libusb.
.Sh FILES
Listed below are drivers and modules which either utilize or are utilized by
USBA.
Drivers in
.Pa /kernel/drv
are 32 bit drivers (x86 only).
Drivers in
.Pa /kernel/drv/sparcv9
or
.Pa kernel/drv/amd64
are 64 bit drivers.
.Bl -column -offset indent ".Pa kernel/drv/[sparcv9|amd64/]usbser_edge" "Edgepor
.It Em Client Driver Ta Em Function/Device
.It Ta
.It Pa kernel/drv/[sparcv9|amd64/]hid Ta HID class
.It Pa kernel/drv/[sparcv9|amd64/]hubd Ta hub class
.It Pa kernel/drv/[sparcv9|amd64/]scsa2usb Ta mass storage class
.It Pa kernel/drv/[sparcv9|amd64/]usbprn Ta printer class
.It Pa kernel/drv/[sparcv9|amd64/]usb_as Ta audio streaming class
.It Pa kernel/drv/[sparcv9|amd64/]usb_ac Ta audio control class
.It Pa kernel/drv/[sparcv9|amd64/]usbvc Ta video class
.It Pa kernel/drv/[sparcv9|amd64/]usb_mid Ta multi-interface device
.It Pa kernel/drv/[sparcv9|amd64/]usb_ia Ta interface-association driver
.It Pa kernel/drv/[sparcv9|amd64/]usbser_edge Ta Edgeport USB to serial port
```



```
.It Pa kernel/drv/[sparcv9|amd64/]usbsksp Ta Keyspan USB to serial port
.It Pa kernel/drv/[sparcv9|amd64/]usbsprl Ta pl2303 USB to serial port
.It Pa kernel/drv/[sparcv9|amd64/]usbsacm Ta CDC ACM class to serial port
.It Pa kernel/drv/[sparcv9|amd64/]ugen Ta generic USB driver
.It Pa kernel/drv/[sparcv9|amd64/]ohci Ta open host controller driver
.It Pa kernel/drv/[sparcv9|amd64/]uhci Ta universal host controller driver
.It Pa kernel/drv/[sparcv9|amd64/]ehci Ta enhanced host controller driver
.It Pa kernel/drv/[sparcv9|amd64/]xhci Ta extensible host controller driver
.El
.Bl -column -offset indent ".Pa /kernel/strmod/[sparcv9|amd64/]usb_ah" "Function
.It Ta
.It Em Client Streams Modules Ta Em Function/Device
.It Ta
.It Pa /kernel/strmod/[sparcv9|amd64/]usbkbm Ta Keyboad
.It Pa /kernel/strmod/[sparcv9|amd64/]usbms Ta Mouse
.It Pa /kernel/strmod/[sparcv9|amd64/]usb_ah Ta Audio HID
.El
.Bl -column -offset indent ".Em Host Controller Interface Drivers" "Extensible H
.It Em Host Controller Interface Drivers Ta Em Device
.It Ta
.It Pa /kernel/drv/[amd64/]xhci Ta Extensible HCI
.It Pa /kernel/drv/[sparcv9|amd64/]ehci Ta Enhanced HCI
.It Pa /kernel/drv/[sparcv9|amd64/]ohci Ta Open HCI
.It Pa /kernel/drv/[sparcv|amd64/]uhci Ta Universal HCI
.El
.Sh DIAGNOSTICS
The messages described below may appear on the system console as well as being
logged.
All  messages are formatted in the following manner:
.Bl -tag -width Sy -offset 2n
.It WARNING: Error message...
.El
.Bl -tag -width Sy -offset 2n
.It Sy no driver found for device <device_name> (interface <number> node
name=<node_name>)
The installed software does not contain a supported driver for this
hardware.
<number> is the interface number.
<name> is either the device path name or the device name.
.It Sy Draining callbacks timed out!
An internal error occurred.
Please reboot your system.
If this problem persists, contact your system vendor.
.El
.Pp
The following messages may be logged into the system log.
They are formatted in the following manner:
.Bd -literal -offset 2n
<device path><usba<instance number>): message...
.Ed
.Bl -tag -width Sy -offset 2n
.It Sy Incorrect USB driver version for <n.m>.
Driver is incompatible with USBA framework.
.El
.Sh SEE ALSO
.Xr cfgadm_usb 1M ,
.Xr attributes 5 ,
.Xr ehci 7D ,
.Xr hid 7D ,
.Xr hubd 7D ,
.Xr ohci 7D ,
.Xr scsa2usb 7D ,
.Xr ugen 7D ,
.Xr uhci 7D ,
.Xr usb_ac 7D ,
.Xr usb_as 7D ,
```

```
128 .Xr usb_ia 7D ,
129 .Xr usb_mid 7D ,
130 .Xr usbprn 7D ,
131 .Xr usbsacm 7D ,
132 .Xr usbser_edge 7D ,
133 .Xr usbsksp 7D ,
134 .Xr usbsprl 7D ,
135 .Xr usbvc 7D ,
136 .Xr virtualkm 7D ,
137 .Xr xhci 7D ,
138 .Xr Intro 9F ,
139 .Xr Intro 9S
139 .Xr Intro 9S)
140 .Pp
141 .Rs
142 .%T Writing Device Drivers
143 .Re
144 .Rs
145 .%T Universal Serial Bus Specification 3.0
146 .Re
147 .Rs
148 .%T Interface Association Descriptor Engineering Change Notice (ECN)
149 .Re
150 .Rs
151 .%T System Administration Guide: Basic Administration
152 .Re
153 .Sh NOTES
154 Booting from USB mass-storage devices is not supported on SPARC, but is
155 supported on X86.
```

```
**********************************************************
   33391 Sat Jan 12 22:56:06 2019
new/usr/src/man/man9e/usba_hcdi.9e
10229 Some man pages have incorrect cross-references
**********************************************************
```

```
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.\"
.\"
.\" Copyright 2016 Joyent, Inc.
.\"
.Dd November 18, 2016
.Dt USBA_HCDI 9E
.Os
.Sh NAME
.Nm usba_hcdi
.Nd USB Host Controller Driver Interface
.Sh SYNOPSIS
.In sys/usb/usba/hcdi.h
.Sh INTERFACE LEVEL
.Sy Volatile -
illumos USB HCD private function
.Pp
This describes private interfaces that are not part of the stable DDI.
This may be removed or changed at any time.
.Sh DESCRIPTION
.Sy hcdi
drivers are device drivers that support USB host controller hardware.
USB host controllers provide an interface between the operating system
and USB devices.
They abstract the interface to the devices, often provide ways of performing
DMA, and also act as the root hub.
.Pp
.Sy hcdi
drivers are part of the illumos USB Architecture (USBA).
The
.Xr usba 7D
driver provides support for many of the surrounding needs of an
.Sy hcdi
driver and requires that such drivers implement a specific operations
vector,
.Xr usba_hcdi_ops 9S .
These functions cover everything from initialization to performing I/O
to USB devices on behalf of client device drivers.
.Ss USB Speed and Version Background
USB devices are often referred to in two different ways.
The first way is the USB version that they conform to.
In the wild this looks like USB 1.1, USB 2.0, USB 3.0, etc..
However, devices are also referred to as
.Sq full- ,
.Sq low- ,
.Sq high- ,
.Sq super-
speed devices.
.Pp
The latter description describes the maximum theoretical speed of a
given device.
For example, a super-speed device theoretically caps out around 5 Gbit/s,
whereas a low-speed device caps out at 1.5 Mbit/s.
```



```
.Pp
In general, each speed usually corresponds to a specific USB protocol
generation.
For example, all USB 3.0 devices are super-speed devices.
All ’high-speed’ devices are USB 2.x devices.
Full-speed devices are special in that they can either be USB 1.x or USB 2.x
devices.
Low-speed devices are only a USB 1.x thing, they did not jump the fire line to
USB 2.x.
.Pp
USB 3.0 devices and ports generally have the wiring for both USB 2.0 and
USB 3.0.
When a USB 3.0 device is plugged into a USB 2.0 port or hub, then it will report
its version as USB 2.1, to indicate that it is actually a USB 3.0 device.
.Ss USB Endpoint Background
To understand the organization of the functions that make up the hcdi
operations vector, it helps to understand how USB devices are organized
and work at a high level.
.Pp
A given USB device is made up of
.Em endpoints .
A request, or transfer, is made to a specific USB endpoint.
These endpoints can provide different services and have different expectations
around the size of the data that’ll be used in a given request and the
periodicity of requests.
Endpoints themselves are either used to make one-shot requests, for example,
making requests to a mass storage device for a given sector, or for making
periodic requests where you end up polling on the endpoint, for example, polling
on a USB keyboard for keystrokes.
.Pp
Each endpoint encodes two different pieces of information: a direction
and a type.
There are two different directions: IN and OUT.
These refer to the general direction that data moves relative to the operating
system.
For example, an IN transfer transfers data in to the operating system, from the
device.
An OUT transfer transfers data from the operating system, out to the device.
.Pp
There are four different kinds of endpoints:
.Bl -tag -width Sy -offset indent
.It Sy BULK
These transfers are large transfers of data to or from a device.
The most common use for bulk transfers is for mass storage devices.
Though they are often also used by network devices and more.
Bulk endpoints do not have an explicit time component to them.
They are always used for one-shot transfers.
.It Sy CONTROL
These transfers are used to manipulate devices themselves and are used
for USB protocol level operations (whether device-specific,
class-specific, or generic across all of USB).
Unlike other transfers, control transfers are always bi-directional and use
different kinds of transfers.
.It Sy INTERRUPT
Interrupt transfers are used for small transfers that happen
infrequently, but need reasonable latency.
A good example of interrupt transfers is to receive input from a USB keyboard.
Interrupt-IN transfers are generally polled.
Meaning that a client (device driver) opens up an interrupt-IN endpoint to poll
on it, and receives periodic updates whenever there is information available.
However, Interrupt transfers can be used as one-shot transfers both going IN and
OUT.
.It Sy ISOCHRONOUS
These transfers are things that happen once per time-interval at a very
regular rate.
A good example of these transfers are for audio and video.
```

A device may describe an interval as 10ms at which point it will read or write the next batch of data every 10ms and transform it for the user. There are no one-shot Isochronous-IN transfers. There are one-shot Isochronous-OUT transfers, but these are used by device drivers to always provide the system with sufficient data.
.El
.Pp
To find out information about the endpoints, USB devices have a series of descriptors that cover different aspects of the device. For example, there are endpoint descriptors which cover the properties of endpoints such as the maximum packet size or polling interval.
.Pp
Descriptors exist at all levels of USB. For example, there are general descriptors for every device. The USB device descriptor is described in
.Xr usb_dev_descr 9S .
Host controllers will look at these descriptors to ensure that they program the device correctly; however, they are more often used by client device drivers.
There are also descriptors that exist at a class level. For example, the hub class has a class-specific descriptor which describes properties of the hub. That information is requested for and used by the hub driver.
.Pp
All of the different descriptors are gathered by the system and placed into a tree, with device descriptors, configurations, endpoints, and more. Client device drivers gain access to this tree and then use them to then open endpoints, which are called pipes in USBA (and some revisions of the USB specification).
.Pp
Each pipe gives access to a specific endpoint on the device which can be used to perform transfers of a specific type and direction. For example, a mass storage device often has three different endpoints, the default control endpoint (which every device has), a Bulk-IN endpoint, and a Bulk-OUT endpoint. The device driver ends up with three open pipes. One to the default control endpoint to configure the device, and then the other two are used to perform I/O.
.Pp
These routines translate more or less directly into calls to a host controller driver.
A request to open a pipe takes an endpoint descriptor that describes the properties of the pipe, and the host controller driver goes through and does any work necessary to allow the client device driver to access it. Once the pipe is open, it either makes one-shot transfers specific to the transfer type or it starts performing a periodic poll of an endpoint.
.Pp
All of these different actions translate into requests to the host controller.
The host controller driver itself is in charge of making sure that all of the required resources for polling are allocated with a request and then proceed to give the driver’s periodic callbacks.
.Pp
For each of the different operations described above, there is a corresponding entry in
.Xr usba_hcdi_ops 9S .
For example, open an endpoint, the host controller has to implement
.Xr usba_hcdi_pipe_open 9E
and for each transfer type, there is a different transfer function. One example is
.Xr usba_hcdi_pipe_bulk_xfer 9E .
See
.Xr usba_hcdi_ops 9S
for a full list of the different function endpoints.
.Ss HCDI Initialization

hcdi drivers are traditional character device drivers. To start with, an hcdi driver should define traditional
.Xr dev_ops 9S
and
.Xr cb_ops 9S
structures.
To get started, the device driver should perform normal device initialization in an
.Xr attach 9E
entry point. For example, PCI devices should setup the device’s registers and program them. In addition, all devices should configure interrupts, before getting ready to call into the USBA.
Each instance of a device must be initialized and registered with the USBA.
.Pp
To initialize a device driver with the USBA, it must first call
.Xr usba_alloc_hcdi_ops 9F .
This provides a device driver with the
.Xr usba_hcdi_ops 9S
structure that it must fill out. Please see
.Xr usba_hcdi_ops 9S
for instructions on how it should be filled out.
Once filled out, the driver should call
.Xr usba_hcdi_register 9F .
.Pp
If the call to register fails for whatever reason, the device driver should fail its
.Xr attach 9E
entry point.
After this call successfully completes, the driver should assume that any of the functions it registered with the call to
.Xr usba_hcdi_register 9F
will be called at this point.
.Ss Binding the Root Hub
Once this is set up, the hcdi driver must initialize its root hub by calling
.Xr usba_hubdi_bind_root_hub 9F .
Xr usba_hcdi_bind_root_hub 9F .
To bind the root hub, the device driver is responsible for providing a device descriptor that represents the hardware.
Depending on the hardware, this descriptor may be either static or dynamic.
Depending on the hardware, this descriptor may be either static or dynamic.
.Pp
This device descriptor should be a packed descriptor that is the same that would be read off of the device.
The device descriptor should match a hub of a USB generation equivalent to the maximum speed of the device. For example, a USB 3.0 host controller would use a USB 3.0 hub’s device descriptor.
Similarly, a USB 2.0 host controller would use a USB 2.0 hub’s device descriptor.
.Pp
The descriptor first starts with a USB configuration descriptor, as defined in
.Xr usb_cfg_descr 9S .
It is then followed by an interface descriptor. The definition for it can be found in
.Xr usb_if_descr 9S .
Next is the endpoint descriptor for the single Interrupt-IN endpoint that all hubs have as defined in
.Xr usb_ep_descr 9S .
Finally, any required companion descriptors should be used. For example, a USB 3.x hub will have a
.Xr usb_ep_ss_comp_descr 9S
appended to the structure.

.Pp
Note, that the structure needs to be packed, as though it were read from
a device.
The structures types referenced in
.Xr usb_cfg_descr 9S ,
.Xr usb_if_descr 9S ,
.Xr usb_ep_descr 9S ,
and
.Xr usb_ep_ss_comp_descr 9S
are not packed for this purpose.
They should not be used as they have gaps added by the compiler for alignment.
.Pp
Once assembled, the device driver should call
.Xr usba_hubdi_bind_root_hub 9F .
This will cause an instance of the
.Xr hubd 7D
driver to be attached and associated with the root controller.
As such, driver writers need to ensure that all initialization is done prior to
loading the root hub.
Once successfully loaded, driver writers should assume that they'll get other
calls into the driver's operation vector before the call to
.Xr usba_hubdi_bind_root_hub 9F .
.Xr usba_hubdi_bind_root_hub 9F.
.Pp
If the call to
.Xr usba_hubdi_bind_root_hub 9F
failed for whatever reason, the driver should unregister from USBA (see
the next section), unwind all of the resources it has allocated, and
return
.Dv DDI_FAILURE .
.Pp
Otherwise, at this point it's safe to assume that the instance of the
device has initialized successfully and the driver should return
.Dv DDI_SUCCESS .
.Ss Driver Teardown
When a driver's
.Xr detach 9E
entry point has been called, before anything else is done, the device
driver should unbind its instance of the root hub and then unregister
from the USBA.
.Pp
To unbind the root hub, the instance of the driver should call
.Xr usba_hubdi_unbind_root_hub 9F .
If for some reason that function does not return
.Sy USB_SUCCESS ,
then the device driver should fail the call to
.Xr detach 9E
and return
.Dv DDI_FAILURE .
.Pp
Once the root hub has been unbound, the device driver can continue by
removing its hcdi registration with USBA.
To do this, the driver should call
.Xr usba_hcdi_unregister 9F .
As this call always succeeds, at this point, it is safe for the driver
to tear down all the rest of its resources and successfully detach.
.Ss State Tracking and Minor Numbers
Because a host controller driver is also a root hub, there are a few
constraints around how the device must store its per-instance state and
how its minor numbers are used.
.Pp
hcdi drivers
.Em must not
store any data with
.Xr ddi_get_driver_private 9F .
This private data is used by USBA.

If it has been called before the device registers, then it will fail to register
successfully with the USBA.
However, setting it after that point will corrupt the state of the USBA and
likely lead to data corruption and crashes.
.Pp
Similarly, part of the minor number space is utilized to represent
various devices like the root hub.
Whenever a device driver is presented with a
.Ft dev_t
and it's trying to extract the minor number, it must take into account
the constant
.Dv HUBD_IS_ROOT_HUB .
The following shows how to perform this, given a
.Ft dev_t
called
.Ft dev :
.Bd -literal -offset indent
minor_t minor = getminor(dev) & ~HUBD_IS_ROOT_HUB;
.Ed
.Ss Required Character and Device Operations
The USBA handles many character and device operations entry points for a
device driver or has strict rules on what a device driver must do in
them.
This section summarizes those constraints.
.Pp
In the
.Xr dev_ops 9S
structure, the following members have special significance:
.Bl -tag -offset indent -width Sy
.It Sy devo_bus_ops
The
.Sy devo_bus_ops
member should be set to the symbol
.Sy usba_hubdi_busops .
See
.Xr usba_hubdi_dev_ops 9F
for more information.
.It Sy devo_power
The
.Sy devo_power
member should be set to the symbol
.Sy usba_hubdi_root_hub_power .
See
.Xr usba_hubdi_dev_ops 9F
for more information.
.El
.Pp
The other standard entry points for character devices,
.Sy devo_getinfo ,
.Sy devo_attach ,
and
.Sy devo_detach
should be implemented normally as per
.Xr getinfo 9E ,
.Xr attach 9E ,
and
.Xr detach 9E
respectively.
.Pp
The following members of the
.Xr cb_ops 9S
operations vector must be implemented and set:
.Bl -tag -offset indent -width Sy
.It Sy cb_open
The device driver should implement an
.Xr open 9E

```
389 entry point that obtains access to its
390 .Sy dev_info_t
391 and then calls
392 .Xr usba_hubdi_open 9F .
393 See
394 .Xr usba_hcdi_cb_open 9E
395 for more information.
396 .It Sy cb_close
397 The device driver should implement a
398 .Xr close 9E
399 entry point that obtains access to its
400 .Sy dev_info_t
401 and then calls
402 .Xr usba_hubdi_close 9F .
403  See
404 .Xr usba_hcdi_cb_close 9E
405 for more information.
406 .It Sy cb_ioctl
407 The device driver should implement a
408 .Xr ioctl 9E
409 entry point that obtains access to its
410 .Sy dev_info_t
411 and then calls
412 .Xr usba_hubdi_ioctl 9F .
413 .Pp
414 If the device driver wishes to have private ioctls, it may check the
415 ioctl command before calling
416 .Xr usba_hubdi_ioctl 9F .
417 Because the
418 .Xr usba_hubdi_ioctl 9F
419 function normally takes care of checking for the proper privileges,
420 device drivers must verify that a caller has appropriate privileges
421 before processing any private ioctls.
422 .Pp
423 See
424 .Xr usba_hcdi_cb_ioctl 9E
425 for more information.
426 .It Sy cb_prop_op
427 The
428 .Sy cb_prop_op
429 member should be set to
430 .Xr ddi_prop_op 9F .
431 .It Sy cb_flag
432 The
433 .Sy cb_flag
434 member should be set to the bitwise-inclusive-OR of the
435 .Sy D_MP
436 flag
437 and the
438 .Sy D_HOTPLUG
439 flag.
440 .El
441 .Pp
442 All other members of the
443 .Xr cb_ops 9S
444 structure should not be implemented and set to the appropriate value,
445 such as
446 .Xr nodev 9F
447 or
448 .Xr nochpoll 9F .
449 .Ss Locking
450 In general, the USBA calls into a device driver through one of the
451 functions that it has register in the
452 .Xr usba_hcdi_ops 9S
453 structure.
454 However, in response to a data transfer, the device driver will need to call
```



```
455 back into the USBA by calling
456 .Xr usba_hcdi_cb 9F .
457 .Pp
458 A device driver must hold
459 .Em no locks
460 across the call to
461 .Xr usba_hcdi_cb 9F .
462 Returning an I/O to the USBA, particularly an error, may result in
463 another call back to one of the
464 .Xr usba_hcdi_cb 9F
465 vectors.
466 .Pp
467 Outside of that constraint, the device driver should perform locking of
468 its data structures.
469 It should assume that many of its entry points will be called in parallel across
470 the many devices that exist.
471 .Pp
472 There are certain occasions where a device driver may have to enter the
473 .Sy p_mutex
474 member of the
475 .Xr usba_pipe_handle_data 9S
476 structure when duplicating isochronous or interrupt requests.
477 The USBA should in general, not hold this lock across calls to the HCD driver,
478 and in turn, the HCD driver should not hold this lock across any calls back to
479 the USBA.
480 As such, the HCD driver should make sure to incorporate the lock ordering of
481 this mutex into its broader lock ordering and operational theory.
482 Generally, the
483 .Sy p_mutex
484 mutex will be entered after any HCD-specific locks.
485 .Pp
486 The final recommendation is that due to the fact that the host
487 controller driver provides services to a multitude of USB devices at
488 once, it should strive not to hold its own internal locks while waiting
489 for I/O to complete, such as an issued command.
490 This is particularly true if the device driver uses coarse grained locking.
491 If the device driver does not pay attention to these conditions, it can easily
492 lead to service stalls.
493 .Ss Synchronous and Asynchronous Entry Points
494 The majority of the entry points that a host controller driver has to
495 implement are
496 .Em synchronous .
497 All actions that the entry point implies must be completed before the
498 entry point returns.
499 However, the various transfer routines:
500 .Xr usba_hcdi_pipe_bulk_xfer 9E ,
501 .Xr usba_hcdi_pipe_ctrl_xfer 9E ,
502 .Xr usba_hcdi_pipe_intr_xfer 9E ,
503 and
504 .Xr usba_hcdi_pipe_isoc_xfer 9E ,
505 are ultimately
506 .Em asynchronous
507 entry points.
508 .Pp
509 Each of the above entry points begins one-shot or periodic I/O.
510 When the driver returns
511 .Sy USB_SUCCESS
512 from one of those functions, it is expected that it will later call
513 .Xr usba_hcdi_cb 9F
514 when the I/O completes, whether successful or not.
515 It is the driver’s responsibility to keep track of these outstanding transfers
516 and time them out.
517 For more information on timeouts, see the section
518 .Sx Endpoint Timeouts .
519 .Pp
520 If for some reason, the driver fails to initialize the I/O transfer and
```

indicates this by returning a value other than
.Sy USB_SUCCESS
from its entry point, then it must not call
.Xr usba_hcdi_cb 9F
for that transfer.
.Ss Short Transfers
Not all USB transfers will always return the full amount of data
requested in the transfer.
Host controller drivers need to be ready for this and report it.
Each request structure has an attribute to indicate whether or not short
transfers are OK.
If a short transfer is OK, then the driver should update the transfer length.
Otherwise, it should instead return an error.
See the individual entry point pages for more information.
.Ss Root Hub Management
As was mentioned earlier, every host controller is also a root hub.
The USBA interfaces with the root hub no differently than any other hub.
The USBA will open pipes and issue both control and periodic interrupt-IN
transfers to the root hub.
.Pp
In the host controller driver’s
.Xr usba_hcdi_pipe_open 9E
entry point, it already has to look at the pipe handle it’s been given
to determine the attributes of the endpoint it’s looking at.
However, before it does that it needs to look at the USB address of the device
the handle corresponds to.
If the device address matches the macro
.Sy ROOT_HUB_ADDR ,
then this is a time where the USBA is opening one of the root hub’s
endpoints.
.Pp
Because the root hub is generally not a real device, the driver will
likely need to handle this in a different manner from traditional pipes.
.Pp
The device driver will want to check for the presence of the device’s
address with the following major entry points and change its behavior as
described:
.Bl -tag -width Fn
.It Fn usba_hcdi_pipe_ctrl_xfer
The device driver needs to intercept control transfers to the root hub
and translate them into the appropriate form for the device.
For example, the device driver may be asked to get a port’s status.
It should determine the appropriate way to perform this, such as reading a
PCI memory-mapped register, and then create the appropriate response.
.Pp
The device driver needs to implement all of the major hub specific
request types.
It is recommended that driver writers see what existing host controller drivers
implement and what the hub driver currently requires to implement this.
.Pp
Aside from the fact that the request is not being issued to a specific
USB device, a request to the root hub follows the normal rules for a
transfer and the device driver will need to call
.Xr usba_hcdi_cb 9F
to indicate that it has finished.
.It Fn usba_hcdi_pipe_bulk_xfer
The root hub does not support bulk transfers.
If for some reason one is requested on the root hub, the driver should return
.Sy USB_NOT_SUPPORTED .
.It Fn usba_hcdi_pipe_intr_xfer
The root hub only supports periodic interrupt-IN transfers.
If an interrupt-OUT transfer or an interrupt-IN transfer with the
.Sy USB_ATTRS_ONE_XFER
attribute is set, then the driver should return
.Sy USB_NOT_SUPPORTED .
.Pp

Otherwise, this represents a request to begin polling on the status
endpoint for a hub.
This is a periodic request, see the section
.Sx Device Addressing
Every USB device has an address assigned to it.
The addresses assigned to each controller are independent.
The root hub of a given controller always has an address of
.Dv ROOT_HUB_ADDR .
.Pp
In general, addresses are assigned by the USBA and stored in the
.Sy usb_addr
member of a
.Xr usba_device_t 9S .
However, some controllers, such as xHCI, require that they control the
device addressing themselves to facilitate their functionality.
In such a case, the USBA still assigns every device an address; however, the
actual address on the bus will be different and assigned by the HCD
driver.
An HCD driver that needs to address devices itself must implement the
.Xr usba_hcdi_device_address 9E
entry point.
.Sx Endpoint Polling
more on the semantics of polling and periodic requests.
.Pp
Here, the device driver will need to provide data and perform a callback
whenever the state of one of the ports changes on its virtual hub.
Different drivers have different ways to perform this.
For example, some hardware will provide an interrupt to indicate that a change
has occurred.
Other hardware does not, so this must be simulated.
.Pp
The way that the status data responses must be laid out is based in the
USB specification.
Generally, there is one bit per port and the driver sets the bit for the
corresponding port that has had a change.
.It Fn usba_hcdi_pipe_isoc_xfer
The root hub does not support isochronous transfers.
If for some reason one is requested on the root hub, the driver should return
.It Fn usba_hcdi_pipe_close
When a pipe to the root hub is closed, the device driver should tear
down whatever it created as part of opening the pipe.
In addition, if the pipe was an interrupt-IN pipe, if it has not already had
polling stop, it should stop the polling as part of closing the pipe.
.It Fn usba_hcdi_pipe_stop_intr_polling
When a request to stop interrupt polling comes in and it is directed
towards the root hub, the device driver should cease delivering
callbacks upon changes in port status being detected.
However, it should continue keeping track of what changes have occurred for the
next time that polling starts.
.Pp
The primary request that was used to start polling should be returned,
as with any other request to stop interrupt polling.
.It Fn usba_hcdi_pipe_stop_isoc_polling
The root hub does not support isochronous transfers.
If for some reason it calls asking to stop polling on an isochronous transfer,
the device driver should log an error and return
.Sy USB_NOT_SUPPORTED .
.El
.Ss Endpoint Polling
Both interrupt-IN and isochronous-IN endpoints are generally periodic or
polled endpoints.
interrupt-IN polling is indicated by the lack of the
.Sy USB_ATTRS_ONE_XFER
flag being set.
All isochronous-IN transfer requests are requests for polling.
.Pp

Polling operates in a different fashion from traditional transfers.
With a traditional transfer, a single request is made and a single callback
is made for it, no more and no less.
With a polling request, things are different.
A single transfer request comes in; however, the driver needs to keep ensuring
that transfers are being made within the polling bounds until a request to stop
polling comes in or a fatal error is encountered.
.Pp
In many cases, as part of initializing the request, the driver will
prepare several transfers such that there is always an active transfer,
even if there is some additional latency in the system.
This ensures that even if there is a momentary delay in the device driver
processing a given transfer, I/O data will not be lost.
.Pp
The driver must not use the original request structure until it is ready
to return due to a request to stop polling or an error.
To obtain new interrupt and isochronous request structures, the driver should
use the
.Xr usba_hcdi_dup_intr_req 9F
and
.Xr usba_hcdi_dup_isoc_req 9F
functions.
These functions also allocate the resulting message blocks that data should be
copied into.
Note, it is possible that memory will not be available to duplicate such a
request.
In this case, the driver should use the original request to return an error and
stop polling.
.Ss Request Memory and DMA
Each of the four transfer operations,
.Xr usba_hcdi_pipe_ctrl_xfer 9E ,
.Xr usba_hcdi_pipe_bulk_xfer 9E ,
.Xr usba_hcdi_pipe_intr_xfer 9E ,
and
.Xr usba_hcdi_pipe_isoc_xfer 9E
give data to hcdi drivers in the form of
.Xr mblk 9S
structures.
To perform the individual transfers, most systems devices will leverage DMA.
Drivers should allocate memory suitable for DMA for each transfer that they need
to perform and copy the data to and from the message blocks.
.Pp
Device drivers should not use
.Xr desballoc 9F
to try and bind the memory used for DMA transfers to a message block nor
should they bind the message block’s read pointer to a DMA handle using
.Xr ddi_dma_addr_bind_handle 9F .
.Pp
While this isn’t a strict rule, the general framework does not assume
that there are going to be outstanding message blocks that may be in use
by the controller or belong to the controller outside of the boundaries
of a given call to one of the transfer functions and its corresponding
callback.
.Ss Endpoint Timeouts
The host controller is in charge of watching I/Os for timeouts.
For any request that’s not periodic (an interrupt-IN or isochronous-IN)
transfer, the host controller must set up a timeout handler.
If that timeout expires, it needs to stop the endpoint, remove that request, and
return to the caller.
.Pp
The timeouts are specified in seconds in the request structures.
For bulk timeouts, the request is in the
.Sy bulk_timeout
member of the
.Xr usb_bulk_req 9S
structure.

The interrupt and control transfers also have a similar member in their request
structures, see
.Xr usb_intr_req 9S
and
.Xr usb_ctrl_req 9S .
If any of the times is set to zero, the default USBA timeout should be
used.
In that case, drivers should set the value to the macro
.Sy HCDI_DEFAULT_TIMEOUT ,
which is a time in seconds.
.Pp
Isochronous-OUT transfers do not have a timeout defined on their request
structure, the
.Xr usb_isoc_req 9S .
Due to the periodic nature of even outbound requests, it is less likely
that a timeout will occur; however, driver writers are encouraged to
still set up the default timeout,
.Sy HCDI_DEFAULT_TIMEOUT ,
on those transfers.
.Pp
The exact means of performing the timeout is best left to the driver
writer as the way that hardware exposes scheduling of different
endpoints will vary.
One strategy to consider is to use the
.Xr timeout 9F
function at a one second period while I/O is ongoing on a per-endpoint
basis.
Because the time is measured in seconds, a driver writer can decrement a counter
for a given outstanding transfer once a second and then if it reaches zero,
interject and stop the endpoint and clean up.
.Pp
This has the added benefit that when no I/O is scheduled, then there
will be no timer activity, reducing overall system load.
.Ss Notable Types and Structures
The following are data structures and types that are used throughout
host controller drivers:
.Bl -tag -width Vt
.It Sy usb_cfg_descr
The configuration descriptor.
A device may have one or more configurations that it supports that can be
switched between.
The descriptor is documented in
.Xr usb_cfg_descr 9S .
.It Sy usb_dev_descr
The device descriptor.
A device descriptor contains basic properties of the device such as the USB
version, device and vendor information, and the maximum packet size.
This will often be used when setting up a device for the first time.
It is documented in
.Xr usb_dev_descr 9S .
.It Sy usb_ep_descr
The endpoint descriptor.
An endpoint descriptor contains the basic properties of an endpoints such as its
type and packet size.
Every endpoint on a given USB device has an endpoint descriptor.
It is documented in
.Xr usb_ep_descr 9S .
.It Sy usb_xep_descr
The extended endpoint descriptor.
This structure is used to contain the endpoint descriptor, but also additional
endpoint companion descriptors which are a part of newer USB standards.
It is documented in
.Xr usb_ep_xdescr 9S .
.It Sy usb_bulk_req
This structure is filled out by client device drivers that want to make
a bulk transfer request.

```
785 Host controllers use this and act on it to perform bulk transfers to USB
786 devices.
787 The structure is documented in
788 .Xr usb_bulk_req 9S .
789 .It Sy usb_ctrl_req
790 This structure is filled out by client device drivers that want to make
791 a control transfer request.
792 Host controllers use this and act on it to perform bulk transfers to USB
793 devices.
794 The structure is documented in
795 .Xr usb_ctrl_req 9S .
796 .It Sy usb_intr_req
797 This structure is filled out by client device drivers that want to make
798 an interrupt transfer request.
799 Host controllers use this and act on it to perform bulk transfers to USB
800 devices.
801 The structure is documented in
802 .Xr usb_intr_req 9S .
803 .It Sy usb_isoc_req
804 This structure is filled out by client device drivers that want to make
805 an isochronous transfer request.
806 Host controllers use this and act on it to perform bulk transfers to USB
807 devices.
808 The structure is documented in
809 .Xr usb_isoc_req 9S .
810 .It Vt usb_flags_t
811 These define a set of flags that are used on certain entry points.
812 These generally determine whether or not the entry points should block for
813 memory allocation.
814 Individual manual pages indicate the flags that drivers should consult.
815 .It Vt usb_port_status_t
816 The
817 .Sy usb_port_status_t
818 determines the current negotiated speed of the device.
819 The following are valid values that this may be:
820 .Bl -tag -width Sy
821 .It Sy USBA_LOW_SPEED_DEV
822 The device is running as a low speed device.
823 This may be a USB 1.x or USB 2.0 device.
824 .It Sy USBA_FULL_SPEED_DEV
825 The device is running as a full speed device.
826 This may be a USB 1.x or USB 2.0 device.
827 .It Sy USBA_HIGH_SPEED_DEV
828 The device is running as a high speed device.
829 This is a USB 2.x device.
830 .It Sy USBA_SUPER_SPEED_DEV
831 The device is running as a super speed device.
832 This is a USB 3.0 device.
833 .It Vt usb_cr_t
834 This is a set of codes that may be returned as a part of the call to
835 .Xr usba_hcdi_cb 9F .
836 The best place for the full set of these is currently in the source
837 control headers.
838 .El
839 .El
840 .Ss Interrupts
841 While some hardware supports more than one interrupt queue, a single
842 interrupt is generally sufficient for most host controllers.
843 If the controller supports interrupt coalescing, then the driver should
844 generally enable it and set it to a moderate rate.
845 .Ss driver.conf considerations
846 Due to the way host controller drivers need to interact with hotplug,
847 drivers should generally set the
848 .Sy ddi-forceattach
849 property to one in their
850 .Xr driver.conf 4
```



```
851 file.
852 .Sh SEE ALSO
853 .Xr driver.conf 4 ,
854 .Xr hubd 7D ,
855 .Xr usba 7D ,
856 .Xr attach 9E ,
857 .Xr close 9E ,
858 .Xr detach 9E ,
859 .Xr getinfo 9E ,
860 .Xr ioctl 9E ,
861 .Xr open 9E ,
862 .Xr usba_hcdi_cb_close 9E ,
863 .Xr usba_hcdi_cb_ioctl 9E ,
864 .Xr usba_hcdi_cb_open 9E ,
865 .Xr usba_hcdi_pipe_bulk_xfer 9E ,
866 .Xr usba_hcdi_pipe_ctrl_xfer 9E ,
867 .Xr usba_hcdi_pipe_intr_xfer 9E ,
868 .Xr usba_hcdi_pipe_isoc_xfer 9E ,
869 .Xr usba_hcdi_pipe_open 9E ,
870 .Xr ddi_dma_addr_bind_handle 9F ,
871 .Xr ddi_get_driver_private 9F ,
872 .Xr ddi_prop_op 9F ,
873 .Xr desballoc 9F ,
874 .Xr nochpoll 9F ,
875 .Xr nodev 9F ,
876 .Xr timeout 9F ,
877 .Xr usba_alloc_hcdi_ops 9F ,
878 .Xr usba_hcdi_cb 9F ,
879 .Xr usba_hcdi_dup_intr_req 9F ,
880 .Xr usba_hcdi_dup_isoc_req 9F ,
881 .Xr usba_hcdi_register 9F ,
882 .Xr usba_hcdi_unregister 9F ,
883 .Xr usba_hubdi_bind_root_hub 9F ,
884 .Xr usba_hubdi_close 9F ,
885 .Xr usba_hubdi_dev_ops 9F ,
886 .Xr usba_hubdi_ioctl 9F ,
887 .Xr usba_hubdi_open 9F ,
888 .Xr usba_hubdi_unbind_root_hub 9F ,
889 .Xr cb_ops 9S ,
890 .Xr dev_ops 9S ,
891 .Xr mblk 9S ,
892 .Xr usb_bulk_req 9S ,
893 .Xr usb_cfg_descr 9S ,
894 .Xr usb_ctrl_req 9S ,
895 .Xr usb_dev_descr 9S ,
896 .Xr usb_ep_descr 9S ,
897 .Xr usb_ep_ss_comp_descr 9S ,
898 .Xr usb_if_descr 9S ,
899 .Xr usb_intr_req 9S ,
900 .Xr usb_isoc_req 9S ,
901 .Xr usba_hcdi_ops 9S
```

```
**********************************************************
   70765 Sat Jan 12 22:56:06 2019
new/usr/src/man/man9f/Makefile
10229 Some man pages have incorrect cross-references
**********************************************************
   1 #
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  18 #

  20 include         $(SRC)/Makefile.master

  22 MANSECT=        9f

  24 MANFILES=       ASSERT.9f                               \
  25                 Intro.9f                                \
  26                 OTHERQ.9f                               \
  27                 RD.9f                                   \
  28                 SAMESTR.9f                              \
  29                 STRUCT_DECL.9f                          \
  30                 WR.9f                                   \
  31                 adjmsg.9f                               \
  32                 allocb.9f                               \
  33                 atomic_add.9f                           \
  34                 atomic_and.9f                           \
  35                 atomic_bits.9f                          \
  36                 atomic_cas.9f                           \
  37                 atomic_dec.9f                           \
  38                 atomic_inc.9f                           \
  39                 atomic_ops.9f                           \
  40                 atomic_or.9f                            \
  41                 atomic_swap.9f                          \
  42                 avl.9f                                  \
  43                 backq.9f                                \
  44                 bcanput.9f                              \
  45                 bcmp.9f                                 \
  46                 bcopy.9f                                \
  47                 bioclone.9f                             \
  48                 biodone.9f                              \
  49                 bioerror.9f                             \
  50                 biofini.9f                              \
  51                 bioinit.9f                              \
  52                 biomodified.9f                          \
  53                 bioreset.9f                             \
  54                 biosize.9f                              \
  55                 biowait.9f                              \
  56                 bp_copyin.9f                            \
  57                 bp_copyout.9f                           \
  58                 bp_mapin.9f                             \
  59                 bp_mapout.9f                            \
  60                 btop.9f                                 \
  61                 btopr.9f                                \
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  62                 bufcall.9f                              \
  63                 bzero.9f                                \
  64                 canput.9f                               \
  65                 canputnext.9f                           \
  66                 clrbuf.9f                               \
  67                 cmn_err.9f                              \
  68                 condvar.9f                              \
  69                 copyb.9f                                \
  70                 copyin.9f                               \
  71                 copymsg.9f                              \
  72                 copyout.9f                              \
  73                 csx_AccessConfigurationRegister.9f      \
  74                 csx_CS_DDI_Info.9f                      \
  75                 csx_ConvertSize.9f                      \
  76                 csx_ConvertSpeed.9f                     \
  77                 csx_DeregisterClient.9f                 \
  78                 csx_DupHandle.9f                        \
  79                 csx_Error2Text.9f                       \
  80                 csx_Event2Text.9f                       \
  81                 csx_FreeHandle.9f                       \
  82                 csx_Get8.9f                             \
  83                 csx_GetFirstClient.9f                   \
  84                 csx_GetFirstTuple.9f                    \
  85                 csx_GetHandleOffset.9f                  \
  86                 csx_GetMappedAddr.9f                    \
  87                 csx_GetStatus.9f                        \
  88                 csx_GetTupleData.9f                     \
  89                 csx_MakeDeviceNode.9f                   \
  90                 csx_MapLogSocket.9f                     \
  91                 csx_MapMemPage.9f                       \
  92                 csx_ModifyConfiguration.9f              \
  93                 csx_ModifyWindow.9f                     \
  94                 csx_ParseTuple.9f                       \
  95                 csx_Parse_CISTPL_BATTERY.9f             \
  96                 csx_Parse_CISTPL_BYTEORDER.9f           \
  97                 csx_Parse_CISTPL_CFTABLE_ENTRY.9f       \
  98                 csx_Parse_CISTPL_CONFIG.9f              \
  99                 csx_Parse_CISTPL_DATE.9f                \
 100                 csx_Parse_CISTPL_DEVICE.9f              \
 101                 csx_Parse_CISTPL_DEVICEGEO.9f           \
 102                 csx_Parse_CISTPL_DEVICEGEO_A.9f         \
 103                 csx_Parse_CISTPL_FORMAT.9f              \
 104                 csx_Parse_CISTPL_FUNCE.9f               \
 105                 csx_Parse_CISTPL_FUNCID.9f              \
 106                 csx_Parse_CISTPL_GEOMETRY.9f            \
 107                 csx_Parse_CISTPL_JEDEC_C.9f             \
 108                 csx_Parse_CISTPL_LINKTARGET.9f          \
 109                 csx_Parse_CISTPL_LONGLINK_A.9f          \
 110                 csx_Parse_CISTPL_LONGLINK_MFC.9f        \
 111                 csx_Parse_CISTPL_MANFID.9f              \
 112                 csx_Parse_CISTPL_ORG.9f                 \
 113                 csx_Parse_CISTPL_SPCL.9f                \
 114                 csx_Parse_CISTPL_SWIL.9f                \
 115                 csx_Parse_CISTPL_VERS_1.9f              \
 116                 csx_Parse_CISTPL_VERS_2.9f              \
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 118                 csx_RegisterClient.9f                   \
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 120                 csx_RepGet8.9f                          \
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 125                 csx_RequestSocketMask.9f                \
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133                ddi_add_intr.9f                    \
134                ddi_add_softintr.9f                \
135                ddi_binding_name.9f                \
136                ddi_btop.9f                        \
137                ddi_can_receive_sig.9f             \
138                ddi_cb_register.9f                 \
139                ddi_check_acc_handle.9f            \
140                ddi_copyin.9f                      \
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142                ddi_create_minor_node.9f           \
143                ddi_cred.9f                        \
144                ddi_dev_is_needed.9f               \
145                ddi_dev_is_sid.9f                  \
146                ddi_dev_nintrs.9f                  \
147                ddi_dev_nregs.9f                   \
148                ddi_dev_regsize.9f                 \
149                ddi_dev_report_fault.9f            \
150                ddi_device_copy.9f                 \
151                ddi_device_zero.9f                 \
152                ddi_devid_compare.9f               \
153                ddi_dma_addr_bind_handle.9f        \
154                ddi_dma_alloc_handle.9f            \
155                ddi_dma_buf_bind_handle.9f         \
156                ddi_dma_burstsizes.9f              \
157                ddi_dma_free_handle.9f             \
158                ddi_dma_getwin.9f                  \
159                ddi_dma_mem_alloc.9f               \
160                ddi_dma_mem_free.9f                \
161                ddi_dma_nextcookie.9f              \
162                ddi_dma_numwin.9f                  \
163                ddi_dma_set_sbus64.9f              \
164                ddi_dma_sync.9f                    \
165                ddi_dma_unbind_handle.9f           \
166                ddi_dmae.9f                        \
167                ddi_driver_major.9f                \
168                ddi_driver_name.9f                 \
169                ddi_enter_critical.9f              \
170                ddi_ffs.9f                         \
171                ddi_fm_acc_err_clear.9f            \
172                ddi_fm_acc_err_get.9f              \
173                ddi_fm_ereport_post.9f             \
174                ddi_fm_handler_register.9f         \
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176                ddi_fm_service_impact.9f           \
177                ddi_get8.9f                        \
178                ddi_get_cred.9f                    \
179                ddi_get_devstate.9f                \
180                ddi_get_driver_private.9f          \
181                ddi_get_eventcookie.9f             \
182                ddi_get_instance.9f                \
183                ddi_get_kt_did.9f                  \
184                ddi_get_lbolt.9f                   \
185                ddi_get_parent.9f                  \
186                ddi_get_pid.9f                     \
187                ddi_get_time.9f                    \
188                ddi_getiminor.9f                   \
189                ddi_in_panic.9f                    \
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198                ddi_intr_get_pending.9f            \
199                ddi_intr_get_pri.9f                \
200                ddi_intr_get_supported_types.9f    \
201                ddi_intr_hilevel.9f                \
202                ddi_intr_set_mask.9f               \
203                ddi_intr_set_nreq.9f               \
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206                ddi_io_rep_get8.9f                 \
207                ddi_io_rep_put8.9f                 \
208                ddi_log_sysevent.9f                \
209                ddi_map_regs.9f                    \
210                ddi_mem_get8.9f                    \
211                ddi_mem_put8.9f                    \
212                ddi_mem_rep_get8.9f                \
213                ddi_mem_rep_put8.9f                \
214                ddi_mmap_get_model.9f              \
215                ddi_model_convert_from.9f          \
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219                ddi_peek.9f                        \
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221                ddi_periodic_delete.9f             \
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223                ddi_prop_create.9f                 \
224                ddi_prop_exists.9f                 \
225                ddi_prop_get_int.9f                \
226                ddi_prop_lookup.9f                 \
227                ddi_prop_op.9f                     \
228                ddi_prop_update.9f                 \
229                ddi_put8.9f                        \
230                ddi_regs_map_free.9f               \
231                ddi_regs_map_setup.9f              \
232                ddi_remove_event_handler.9f        \
233                ddi_remove_minor_node.9f           \
234                ddi_removing_power.9f              \
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236                ddi_rep_put8.9f                    \
237                ddi_report_dev.9f                  \
238                ddi_root_node.9f                   \
239                ddi_segmap.9f                      \
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242                ddi_strtol.9f                      \
243                ddi_strtoll.9f                     \
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245                ddi_umem_alloc.9f                  \
246                ddi_umem_iosetup.9f                \
247                ddi_umem_lock.9f                   \
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249                devfs_clean.9f                     \
250                devmap_default_access.9f           \
251                devmap_devmem_setup.9f             \
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253                devmap_set_ctx_timeout.9f          \
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257                dlbindack.9f                       \
258                drv_getparm.9f                     \
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261                drv_usectohz.9f                      \
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263                dupb.9f                              \
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271                freeb.9f                             \
272                freemsg.9f                           \
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274                freezestr.9f                         \
275                get_pktiopb.9f                       \
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285                id32_alloc.9f                        \
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289                kiconv.9f                            \
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291                kiconv_open.9f                       \
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293                kmem_alloc.9f                        \
294                kmem_cache_create.9f                 \
295                kstat_create.9f                      \
296                kstat_delete.9f                      \
297                kstat_install.9f                     \
298                kstat_named_init.9f                  \
299                kstat_queue.9f                       \
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301                ldi_aread.9f                         \
302                ldi_devmap.9f                        \
303                ldi_dump.9f                          \
304                ldi_ev_finalize.9f                   \
305                ldi_ev_get_cookie.9f                 \
306                ldi_ev_get_type.9f                   \
307                ldi_ev_notify.9f                     \
308                ldi_ev_register_callbacks.9f         \
309                ldi_ev_remove_callbacks.9f           \
310                ldi_get_dev.9f                       \
311                ldi_get_eventcookie.9f               \
312                ldi_get_size.9f                      \
313                ldi_ident_from_dev.9f                \
314                ldi_ioctl.9f                         \
315                ldi_open_by_dev.9f                   \
316                ldi_poll.9f                          \
317                ldi_prop_exists.9f                   \
318                ldi_prop_get_int.9f                  \
319                ldi_prop_lookup_int_array.9f         \
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322                ldi_remove_event_handler.9f          \
323                ldi_strategy.9f                      \
324                linkb.9f                             \
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328                mac_init_ops.9f                      \
329                mac_link_update.9f                   \
330                mac_lso_get.9f                       \
331                mac_maxsdu_update.9f                 \
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336                mac_tx_update.9f                     \
337                makecom.9f                           \
338                makedevice.9f                        \
339                max.9f                               \
340                mcopyin.9f                           \
341                mcopymsg.9f                          \
342                mcopyout.9f                          \
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350                miocnak.9f                           \
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364                net_getpmtuenabled.9f                \
365                net_hook_register.9f                 \
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368                net_inject_alloc.9f                  \
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370                net_instance_alloc.9f                \
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372                net_instance_notify_register.9f      \
373                net_instance_register.9f             \
374                net_instance_unregister.9f           \
375                net_ispartialchecksum.9f             \
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378                net_kstat_delete.9f                  \
379                net_lifgetnext.9f                    \
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382                net_phylookup.9f                     \
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384                net_protocol_notify_register.9f      \
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388                net_zoneidtonetid.9f                 \
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393                 nulldev.9f                          \
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395                 nvlist_alloc.9f                     \
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404                 pci_ereport_setup.9f                \
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451                 scsi_destroy_pkt.9f                 \
452                 scsi_dmaget.9f                      \
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455                 scsi_find_sense_descr.9f            \
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459                 scsi_hba_attach_setup.9f                \
460                 scsi_hba_init.9f                        \
461                 scsi_hba_iport_exist.9f                 \
462                 scsi_hba_iport_register.9f              \
463                 scsi_hba_iport_unit_address.9f          \
464                 scsi_hba_iportmap_create.9f             \
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467                 scsi_hba_pkt_comp.9f                    \
468                 scsi_hba_probe.9f                       \
469                 scsi_hba_tgtmap_create.9f               \
470                 scsi_hba_tran_alloc.9f                  \
471                 scsi_ifgetcap.9f                        \
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512                 usb_ep_xdescr_fill.9f                   \
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516                 usb_get_current_frame_number.9f         \
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624                 atomic_dec_uchar_nv.9f                          \
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645                 atomic_inc_ulong.9f                             \
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647                 atomic_inc_ushort.9f                            \
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797                ddi_io_getw.9f                            \
798                ddi_io_put16.9f                           \
799                ddi_io_put32.9f                           \
800                ddi_io_putb.9f                            \
801                ddi_io_putl.9f                            \
802                ddi_io_putw.9f                            \
803                ddi_io_rep_get16.9f                       \
804                ddi_io_rep_get32.9f                       \
805                ddi_io_rep_getb.9f                        \
806                ddi_io_rep_getl.9f                        \
807                ddi_io_rep_getw.9f                        \
808                ddi_io_rep_put16.9f                       \
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810                ddi_io_rep_putb.9f                        \
811                ddi_io_rep_putl.9f                        \
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829                ddi_mem_rep_get64.9f                      \
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831                ddi_mem_rep_getl.9f                       \
832                ddi_mem_rep_getll.9f                      \
833                ddi_mem_rep_getw.9f                       \
834                ddi_mem_rep_put16.9f                      \
835                ddi_mem_rep_put32.9f                      \
836                ddi_mem_rep_put64.9f                      \
837                ddi_mem_rep_putb.9f                       \
838                ddi_mem_rep_putl.9f                       \
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877                ddi_ptob.9f                               \
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883                ddi_putll.9f                              \
884                ddi_putw.9f                               \
885                ddi_remove_intr.9f                        \
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890                ddi_rep_getb.9f                           \
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892                ddi_rep_getll.9f                          \
893                ddi_rep_getw.9f                           \
894                ddi_rep_put16.9f                          \
895                ddi_rep_put32.9f                          \
896                ddi_rep_put64.9f                          \
897                ddi_rep_putb.9f                           \
898                ddi_rep_putl.9f                           \
899                ddi_rep_putll.9f                          \
900                ddi_rep_putw.9f                           \
901                ddi_segmap_setup.9f                       \
902                ddi_set_driver_private.9f                 \
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941                id32_free.9f                                 \
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968                ldi_awrite.9f                                \
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981                ldi_prop_lookup_int64_array.9f               \
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983                ldi_prop_lookup_string_array.9f              \
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1021               membar_exit.9f                               \
1022               membar_producer.9f                           \
1023               memcmp.9f                                    \
1024               memcpy.9f                                    \
1025               memmove.9f                                   \
1026               memset.9f                                    \
1027               minphys.9f                                   \
1028               mod_info.9f                                  \
1029               mod_modname.9f                               \
1030               mod_remove.9f                                \
1031               mutex_destroy.9f                             \
1032               mutex_enter.9f                               \
1033               mutex_exit.9f                                \
1034               mutex_init.9f                                \
1035               mutex_owned.9f                               \
1036               mutex_tryenter.9f                            \
1037               net_event_notify_unregister.9f               \
1038               net_instance_notify_unregister.9f            \
1039               net_instance_protocol_unregister.9f          \
1040               numtos.9f                                    \
1041               nv_alloc_fini.9f                             \
1042               nv_alloc_init.9f                             \
1043               nvlist_add_boolean_array.9f                  \
1044               nvlist_add_boolean_value.9f                  \
1045               nvlist_add_byte.9f                           \
1046               nvlist_add_byte_array.9f                     \
1047               nvlist_add_int16.9f                          \
1048               nvlist_add_int16_array.9f                    \
1049               nvlist_add_int32.9f                          \
1050               nvlist_add_int32_array.9f                    \
1051               nvlist_add_int64.9f                          \
```

```
1052                    nvlist_add_int64_array.9f                       \
1053                    nvlist_add_int8.9f                              \
1054                    nvlist_add_int8_array.9f                        \
1055                    nvlist_add_nvlist.9f                            \
1056                    nvlist_add_nvlist_array.9f                      \
1057                    nvlist_add_nvpair.9f                            \
1058                    nvlist_add_string.9f                            \
1059                    nvlist_add_string_array.9f                      \
1060                    nvlist_add_uint16.9f                            \
1061                    nvlist_add_uint16_array.9f                      \
1062                    nvlist_add_uint32.9f                            \
1063                    nvlist_add_uint32_array.9f                      \
1064                    nvlist_add_uint64.9f                            \
1065                    nvlist_add_uint64_array.9f                      \
1066                    nvlist_add_uint8.9f                             \
1067                    nvlist_add_uint8_array.9f                       \
1068                    nvlist_dup.9f                                   \
1069                    nvlist_exists.9f                                \
1070                    nvlist_free.9f                                  \
1071                    nvlist_lookup_boolean_array.9f                  \
1072                    nvlist_lookup_boolean_value.9f                  \
1073                    nvlist_lookup_byte.9f                           \
1074                    nvlist_lookup_byte_array.9f                     \
1075                    nvlist_lookup_int16.9f                          \
1076                    nvlist_lookup_int16_array.9f                    \
1077                    nvlist_lookup_int32.9f                          \
1078                    nvlist_lookup_int32_array.9f                    \
1079                    nvlist_lookup_int64.9f                          \
1080                    nvlist_lookup_int64_array.9f                    \
1081                    nvlist_lookup_int8.9f                           \
1082                    nvlist_lookup_int8_array.9f                     \
1083                    nvlist_lookup_nvlist.9f                         \
1084                    nvlist_lookup_nvlist_array.9f                   \
1085                    nvlist_lookup_pairs.9f                          \
1086                    nvlist_lookup_string.9f                         \
1087                    nvlist_lookup_string_array.9f                   \
1088                    nvlist_lookup_uint16.9f                         \
1089                    nvlist_lookup_uint16_array.9f                   \
1090                    nvlist_lookup_uint32.9f                         \
1091                    nvlist_lookup_uint32_array.9f                   \
1092                    nvlist_lookup_uint64.9f                         \
1093                    nvlist_lookup_uint64_array.9f                   \
1094                    nvlist_lookup_uint8.9f                          \
1095                    nvlist_lookup_uint8_array.9f                    \
1096                    nvlist_merge.9f                                 \
1097                    nvlist_pack.9f                                  \
1098                    nvlist_remove_all.9f                            \
1099                    nvlist_size.9f                                  \
1100                    nvlist_t.9f                                     \
1101                    nvlist_unpack.9f                                \
1102                    nvlist_xalloc.9f                                \
1103                    nvlist_xdup.9f                                  \
1104                    nvlist_xpack.9f                                 \
1105                    nvlist_xunpack.9f                               \
1106                    nvpair_name.9f                                  \
1107                    nvpair_type.9f                                  \
1108                    nvpair_value_boolean_array.9f                   \
1109                    nvpair_value_byte_array.9f                      \
1110                    nvpair_value_int16.9f                           \
1111                    nvpair_value_int16_array.9f                     \
1112                    nvpair_value_int32.9f                           \
1113                    nvpair_value_int32_array.9f                     \
1114                    nvpair_value_int64.9f                           \
1115                    nvpair_value_int64_array.9f                     \
1116                    nvpair_value_int8.9f                            \
1117                    nvpair_value_int8_array.9f                      \
```



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1118                    nvpair_value_nvlist.9f                          \
1119                    nvpair_value_nvlist_array.9f                    \
1120                    nvpair_value_string.9f                          \
1121                    nvpair_value_string_array.9f                    \
1122                    nvpair_value_uint16.9f                          \
1123                    nvpair_value_uint16_array.9f                    \
1124                    nvpair_value_uint32.9f                          \
1125                    nvpair_value_uint32_array.9f                    \
1126                    nvpair_value_uint64.9f                          \
1127                    nvpair_value_uint64_array.9f                    \
1128                    nvpair_value_uint8.9f                           \
1129                    nvpair_value_uint8_array.9f                     \
1130                    otherq.9f                                       \
1131                    outl.9f                                         \
1132                    outw.9f                                         \
1133                    pci_config_get16.9f                             \
1134                    pci_config_get32.9f                             \
1135                    pci_config_get64.9f                             \
1136                    pci_config_getb.9f                              \
1137                    pci_config_getl.9f                              \
1138                    pci_config_getll.9f                             \
1139                    pci_config_getw.9f                              \
1140                    pci_config_put16.9f                             \
1141                    pci_config_put32.9f                             \
1142                    pci_config_put64.9f                             \
1143                    pci_config_put8.9f                              \
1144                    pci_config_putb.9f                              \
1145                    pci_config_putl.9f                              \
1146                    pci_config_putll.9f                             \
1147                    pci_config_putw.9f                              \
1148                    pci_config_teardown.9f                          \
1149                    pci_ereport_post.9f                             \
1150                    pci_ereport_teardown.9f                         \
1151                    pci_restore_config_regs.9f                      \
1152                    pm_idle_component.9f                            \
1153                    pm_lower_power.9f                               \
1154                    priv_policy_choice.9f                           \
1155                    priv_policy_only.9f                             \
1156                    proc_ref.9f                                     \
1157                    proc_unref.9f                                   \
1158                    qprocsoff.9f                                    \
1159                    qwait_sig.9f                                    \
1160                    rd.9f                                           \
1161                    repinsb.9f                                      \
1162                    repinsd.9f                                      \
1163                    repinsw.9f                                      \
1164                    repoutsb.9f                                     \
1165                    repoutsd.9f                                     \
1166                    repoutsw.9f                                     \
1167                    rmallocmap_wait.9f                              \
1168                    rmfreemap.9f                                    \
1169                    rw_destroy.9f                                   \
1170                    rw_downgrade.9f                                 \
1171                    rw_enter.9f                                     \
1172                    rw_exit.9f                                      \
1173                    rw_init.9f                                      \
1174                    rw_read_locked.9f                               \
1175                    rw_tryenter.9f                                  \
1176                    rw_tryupgrade.9f                                \
1177                    samestr.9f                                      \
1178                    sas_phymap_destroy.9f                           \
1179                    sas_phymap_lookup_uapriv.9f                     \
1180                    sas_phymap_phy_add.9f                           \
1181                    sas_phymap_phy_rem.9f                           \
1182                    sas_phymap_phy2ua.9f                            \
1183                    sas_phymap_phys_free.9f                         \
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1184                    sas_phymap_phys_next.9f                 \
1185                    sas_phymap_ua_free.9f                   \
1186                    sas_phymap_ua2phys.9f                   \
1187                    sas_phymap_uahasphys.9f                 \
1188                    scsi_device_unit_address.9f             \
1189                    scsi_device_hba_private_get.9f          \
1190                    scsi_device_hba_private_set.9f          \
1191                    scsi_dmafree.9f                         \
1192                    scsi_dname.9f                           \
1193                    scsi_hba_detach.9f                      \
1194                    scsi_hba_fini.9f                        \
1195                    scsi_hba_iport_find.9f                  \
1196                    scsi_hba_iportmap_destroy.9f            \
1197                    scsi_hba_iportmap_iport_add.9f          \
1198                    scsi_hba_iportmap_iport_remove.9f       \
1199                    scsi_hba_pkt_free.9f                    \
1200                    scsi_hba_tgtmap_destroy.9f              \
1201                    scsi_hba_tgtmap_set_begin.9f            \
1202                    scsi_hba_tgtmap_set_add.9f              \
1203                    scsi_hba_tgtmap_set_end.9f              \
1204                    scsi_hba_tgtmap_set_flush.9f            \
1205                    scsi_hba_tgtmap_tgt_add.9f              \
1206                    scsi_hba_tgtmap_tgt_remove.9f           \
1207                    scsi_hba_tran_free.9f                   \
1208                    scsi_ifsetcap.9f                        \
1209                    scsi_mname.9f                           \
1210                    scsi_pktfree.9f                         \
1211                    scsi_resalloc.9f                        \
1212                    scsi_resfree.9f                         \
1213                    scsi_rname.9f                           \
1214                    scsi_sense_asc.9f                       \
1215                    scsi_sense_ascq.9f                      \
1216                    scsi_sense_cmdspecific_uint64.9f        \
1217                    scsi_sense_info_uint64.9f               \
1218                    scsi_sname.9f                           \
1219                    scsi_unslave.9f                         \
1220                    scsi_wwn_to_wwnstr.9f                   \
1221                    scsi_free_wwnstr.9f                     \
1222                    sema_destroy.9f                         \
1223                    sema_init.9f                            \
1224                    sema_p.9f                               \
1225                    sema_p_sig.9f                           \
1226                    sema_tryp.9f                            \
1227                    sema_v.9f                               \
1228                    snprintf.9f                             \
1229                    strcasecmp.9f                           \
1230                    strcat.9f                               \
1231                    strchr.9f                               \
1232                    strcmp.9f                               \
1233                    strcpy.9f                               \
1234                    strdup.9f                               \
1235                    strfree.9f                              \
1236                    strlcat.9f                              \
1237                    strlcpy.9f                              \
1238                    strlen.9f                               \
1239                    strncasecmp.9f                          \
1240                    strncat.9f                              \
1241                    strncmp.9f                              \
1242                    strncpy.9f                              \
1243                    strnlen.9f                              \
1244                    strrchr.9f                              \
1245                    strspn.9f                               \
1246                    taskq_suspended.9f                      \
1247                    uconv_u16tou8.9f                        \
1248                    uconv_u32tou16.9f                       \
1249                    uconv_u32tou8.9f                        \
```



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1250                    uconv_u8tou16.9f                        \
1251                    uconv_u8tou32.9f                        \
1252                    unfreezestr.9f                          \
1253                    usb_alloc_bulk_req.9f                   \
1254                    usb_alloc_ctrl_req.9f                   \
1255                    usb_alloc_intr_req.9f                   \
1256                    usb_alloc_isoc_req.9f                   \
1257                    usb_client_detach.9f                    \
1258                    usb_free_bulk_req.9f                    \
1259                    usb_free_ctrl_req.9f                    \
1260                    usb_free_descr_tree.9f                  \
1261                    usb_free_dev_data.9f                    \
1262                    usb_free_intr_req.9f                    \
1263                    usb_free_isoc_req.9f                    \
1264                    usb_get_if_number.9f                    \
1265                    usb_owns_device.9f                      \
1266                    usb_pipe_ctrl_xfer_wait.9f              \
1267                    usb_pipe_get_private.9f                 \
1268                    usb_pipe_open.9f                        \
1269                    usb_pipe_stop_intr_polling.9f           \
1270                    usb_pipe_stop_isoc_polling.9f           \
1271                    usb_print_descr_tree.9f                 \
1272                    usb_set_alt_if.9f                       \
1273                    usb_set_cfg.9f                          \
1274                    usb_unregister_hotplug_cbs.9f           \
1275                    usba_free_hcdi_ops.9f                   \
1276                    usba_hcdi_unregister.9f                 \
1277                    usba_hubdi_close.9f                     \
1278                    usba_hubdi_ioctl.9f                     \
1279                    usba_hubdi_open.9f                      \
1280                    usba_hubdi_root_hub_power.9f            \
1281                    usba_hubdi_unbind_root_hub.9f           \
1282                    va_copy.9f                              \
1283                    va_end.9f                               \
1284                    va_start.9f                             \
1285                    vcmn_err.9f                             \
1286                    vmem_destroy.9f                         \
1287                    vmem_free.9f                            \
1288                    vmem_size.9f                            \
1289                    vmem_xalloc.9f                          \
1290                    vmem_xcreate.9f                         \
1291                    vmem_xfree.9f                           \
1292                    vsnprintf.9f                            \
1293                    vsprintf.9f                             \
1294                    vzcmn_err.9f                            \
1295                    wr.9f                                   \
1296                    zcmn_err.9f

1298 assert.9f                             := LINKSRC = ASSERT.9f

1300 intro.9f                              := LINKSRC = Intro.9f

1302 otherq.9f                             := LINKSRC = OTHERQ.9f

1304 rd.9f                                 := LINKSRC = RD.9f

1306 samestr.9f                            := LINKSRC = SAMESTR.9f

1308 SIZEOF_PTR.9f                         := LINKSRC = STRUCT_DECL.9f
1309 SIZEOF_STRUCT.9f                      := LINKSRC = STRUCT_DECL.9f
1310 STRUCT_BUF.9f                        := LINKSRC = STRUCT_DECL.9f
1311 STRUCT_FADDR.9f                      := LINKSRC = STRUCT_DECL.9f
1312 STRUCT_FGET.9f                       := LINKSRC = STRUCT_DECL.9f
1313 STRUCT_FGETP.9f                      := LINKSRC = STRUCT_DECL.9f
1314 STRUCT_FSET.9f                       := LINKSRC = STRUCT_DECL.9f
1315 STRUCT_FSETP.9f                      := LINKSRC = STRUCT_DECL.9f
```

```
1316 STRUCT_HANDLE.9f                    := LINKSRC = STRUCT_DECL.9f
1317 STRUCT_INIT.9f                      := LINKSRC = STRUCT_DECL.9f
1318 STRUCT_SET_HANDLE.9f                := LINKSRC = STRUCT_DECL.9f
1319 STRUCT_SIZE.9f                      := LINKSRC = STRUCT_DECL.9f

1321 wr.9f                               := LINKSRC = WR.9f

1323 atomic_add_16.9f                    := LINKSRC = atomic_add.9f
1324 atomic_add_16_nv.9f                 := LINKSRC = atomic_add.9f
1325 atomic_add_32.9f                    := LINKSRC = atomic_add.9f
1326 atomic_add_32_nv.9f                 := LINKSRC = atomic_add.9f
1327 atomic_add_64.9f                    := LINKSRC = atomic_add.9f
1328 atomic_add_64_nv.9f                 := LINKSRC = atomic_add.9f
1329 atomic_add_8.9f                     := LINKSRC = atomic_add.9f
1330 atomic_add_8_nv.9f                  := LINKSRC = atomic_add.9f
1331 atomic_add_char.9f                  := LINKSRC = atomic_add.9f
1332 atomic_add_char_nv.9f               := LINKSRC = atomic_add.9f
1333 atomic_add_int.9f                   := LINKSRC = atomic_add.9f
1334 atomic_add_int_nv.9f                := LINKSRC = atomic_add.9f
1335 atomic_add_long.9f                  := LINKSRC = atomic_add.9f
1336 atomic_add_long_nv.9f               := LINKSRC = atomic_add.9f
1337 atomic_add_ptr.9f                   := LINKSRC = atomic_add.9f
1338 atomic_add_ptr_nv.9f                := LINKSRC = atomic_add.9f
1339 atomic_add_short.9f                 := LINKSRC = atomic_add.9f
1340 atomic_add_short_nv.9f              := LINKSRC = atomic_add.9f
1341 atomic_and_16.9f                    := LINKSRC = atomic_and.9f
1342 atomic_and_16_nv.9f                 := LINKSRC = atomic_and.9f
1343 atomic_and_32.9f                    := LINKSRC = atomic_and.9f
1344 atomic_and_32_nv.9f                 := LINKSRC = atomic_and.9f
1345 atomic_and_64.9f                    := LINKSRC = atomic_and.9f
1346 atomic_and_64_nv.9f                 := LINKSRC = atomic_and.9f
1347 atomic_and_8.9f                     := LINKSRC = atomic_and.9f
1348 atomic_and_8_nv.9f                  := LINKSRC = atomic_and.9f
1349 atomic_and_uchar.9f                 := LINKSRC = atomic_and.9f
1350 atomic_and_uchar_nv.9f              := LINKSRC = atomic_and.9f
1351 atomic_and_uint.9f                  := LINKSRC = atomic_and.9f
1352 atomic_and_uint_nv.9f               := LINKSRC = atomic_and.9f
1353 atomic_and_ulong.9f                 := LINKSRC = atomic_and.9f
1354 atomic_and_ulong_nv.9f              := LINKSRC = atomic_and.9f
1355 atomic_and_ushort.9f                := LINKSRC = atomic_and.9f
1356 atomic_and_ushort_nv.9f             := LINKSRC = atomic_and.9f

1358 atomic_clear_long_excl.9f           := LINKSRC = atomic_bits.9f
1359 atomic_set_long_excl.9f             := LINKSRC = atomic_bits.9f

1361 atomic_cas_16.9f                    := LINKSRC = atomic_cas.9f
1362 atomic_cas_32.9f                    := LINKSRC = atomic_cas.9f
1363 atomic_cas_64.9f                    := LINKSRC = atomic_cas.9f
1364 atomic_cas_8.9f                     := LINKSRC = atomic_cas.9f
1365 atomic_cas_ptr.9f                   := LINKSRC = atomic_cas.9f
1366 atomic_cas_uchar.9f                 := LINKSRC = atomic_cas.9f
1367 atomic_cas_uint.9f                  := LINKSRC = atomic_cas.9f
1368 atomic_cas_ulong.9f                 := LINKSRC = atomic_cas.9f
1369 atomic_cas_ushort.9f                := LINKSRC = atomic_cas.9f

1371 atomic_dec_16.9f                    := LINKSRC = atomic_dec.9f
1372 atomic_dec_16_nv.9f                 := LINKSRC = atomic_dec.9f
1373 atomic_dec_32.9f                    := LINKSRC = atomic_dec.9f
1374 atomic_dec_32_nv.9f                 := LINKSRC = atomic_dec.9f
1375 atomic_dec_64.9f                    := LINKSRC = atomic_dec.9f
1376 atomic_dec_64_nv.9f                 := LINKSRC = atomic_dec.9f
1377 atomic_dec_8.9f                     := LINKSRC = atomic_dec.9f
1378 atomic_dec_8_nv.9f                  := LINKSRC = atomic_dec.9f
1379 atomic_dec_ptr.9f                   := LINKSRC = atomic_dec.9f
1380 atomic_dec_ptr_nv.9f                := LINKSRC = atomic_dec.9f
1381 atomic_dec_uchar.9f                 := LINKSRC = atomic_dec.9f
```



```
1382 atomic_dec_uchar_nv.9f              := LINKSRC = atomic_dec.9f
1383 atomic_dec_uint.9f                  := LINKSRC = atomic_dec.9f
1384 atomic_dec_uint_nv.9f               := LINKSRC = atomic_dec.9f
1385 atomic_dec_ulong.9f                 := LINKSRC = atomic_dec.9f
1386 atomic_dec_ulong_nv.9f              := LINKSRC = atomic_dec.9f
1387 atomic_dec_ushort.9f                := LINKSRC = atomic_dec.9f
1388 atomic_dec_ushort_nv.9f             := LINKSRC = atomic_dec.9f

1390 atomic_inc_16.9f                    := LINKSRC = atomic_inc.9f
1391 atomic_inc_16_nv.9f                 := LINKSRC = atomic_inc.9f
1392 atomic_inc_32.9f                    := LINKSRC = atomic_inc.9f
1393 atomic_inc_32_nv.9f                 := LINKSRC = atomic_inc.9f
1394 atomic_inc_64.9f                    := LINKSRC = atomic_inc.9f
1395 atomic_inc_64_nv.9f                 := LINKSRC = atomic_inc.9f
1396 atomic_inc_8.9f                     := LINKSRC = atomic_inc.9f
1397 atomic_inc_8_nv.9f                  := LINKSRC = atomic_inc.9f
1398 atomic_inc_ptr.9f                   := LINKSRC = atomic_inc.9f
1399 atomic_inc_ptr_nv.9f                := LINKSRC = atomic_inc.9f
1400 atomic_inc_uchar.9f                 := LINKSRC = atomic_inc.9f
1401 atomic_inc_uchar_nv.9f              := LINKSRC = atomic_inc.9f
1402 atomic_inc_uint.9f                  := LINKSRC = atomic_inc.9f
1403 atomic_inc_uint_nv.9f               := LINKSRC = atomic_inc.9f
1404 atomic_inc_ulong.9f                 := LINKSRC = atomic_inc.9f
1405 atomic_inc_ulong_nv.9f              := LINKSRC = atomic_inc.9f
1406 atomic_inc_ushort.9f                := LINKSRC = atomic_inc.9f
1407 atomic_inc_ushort_nv.9f             := LINKSRC = atomic_inc.9f

1409 atomic_or_16.9f                     := LINKSRC = atomic_or.9f
1410 atomic_or_16_nv.9f                  := LINKSRC = atomic_or.9f
1411 atomic_or_32.9f                     := LINKSRC = atomic_or.9f
1412 atomic_or_32_nv.9f                  := LINKSRC = atomic_or.9f
1413 atomic_or_64.9f                     := LINKSRC = atomic_or.9f
1414 atomic_or_64_nv.9f                  := LINKSRC = atomic_or.9f
1415 atomic_or_8.9f                      := LINKSRC = atomic_or.9f
1416 atomic_or_8_nv.9f                   := LINKSRC = atomic_or.9f
1417 atomic_or_uchar.9f                  := LINKSRC = atomic_or.9f
1418 atomic_or_uchar_nv.9f               := LINKSRC = atomic_or.9f
1419 atomic_or_uint.9f                   := LINKSRC = atomic_or.9f
1420 atomic_or_uint_nv.9f                := LINKSRC = atomic_or.9f
1421 atomic_or_ulong.9f                  := LINKSRC = atomic_or.9f
1422 atomic_or_ulong_nv.9f               := LINKSRC = atomic_or.9f
1423 atomic_or_ushort.9f                 := LINKSRC = atomic_or.9f
1424 atomic_or_ushort_nv.9f              := LINKSRC = atomic_or.9f

1426 atomic_swap_16.9f                   := LINKSRC = atomic_swap.9f
1427 atomic_swap_32.9f                   := LINKSRC = atomic_swap.9f
1428 atomic_swap_64.9f                   := LINKSRC = atomic_swap.9f
1429 atomic_swap_8.9f                    := LINKSRC = atomic_swap.9f
1430 atomic_swap_ptr.9f                  := LINKSRC = atomic_swap.9f
1431 atomic_swap_uchar.9f                := LINKSRC = atomic_swap.9f
1432 atomic_swap_uint.9f                 := LINKSRC = atomic_swap.9f
1433 atomic_swap_ulong.9f                := LINKSRC = atomic_swap.9f
1434 atomic_swap_ushort.9f               := LINKSRC = atomic_swap.9f

1436 avl_add.9f                          := LINKSRC = avl.9f
1437 avl_create.9f                       := LINKSRC = avl.9f
1438 avl_destroy.9f                      := LINKSRC = avl.9f
1439 avl_destroy_nodes.9f                := LINKSRC = avl.9f
1440 avl_find.9f                         := LINKSRC = avl.9f
1441 avl_first.9f                        := LINKSRC = avl.9f
1442 avl_insert.9f                       := LINKSRC = avl.9f
1443 avl_insert_here.9f                  := LINKSRC = avl.9f
1444 avl_is_empty.9f                     := LINKSRC = avl.9f
1445 avl_last.9f                         := LINKSRC = avl.9f
1446 avl_nearest.9f                      := LINKSRC = avl.9f
1447 avl_numnodes.9f                     := LINKSRC = avl.9f
```

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1448 avl_remove.9f                       := LINKSRC = avl.9f
1449 avl_swap.9f                         := LINKSRC = avl.9f
1450 AVL_NEXT.9f                         := LINKSRC = avl.9f
1451 AVL_PREV.9f                         := LINKSRC = avl.9f

1453 dev_err.9f                          := LINKSRC = cmn_err.9f
1454 vcmn_err.9f                         := LINKSRC = cmn_err.9f
1455 vzcmn_err.9f                        := LINKSRC = cmn_err.9f
1456 zcmn_err.9f                         := LINKSRC = cmn_err.9f

1458 cv_broadcast.9f                     := LINKSRC = condvar.9f
1459 cv_destroy.9f                       := LINKSRC = condvar.9f
1460 cv_init.9f                          := LINKSRC = condvar.9f
1461 cv_reltimedwait.9f                  := LINKSRC = condvar.9f
1462 cv_reltimedwait_sig.9f              := LINKSRC = condvar.9f
1463 cv_signal.9f                        := LINKSRC = condvar.9f
1464 cv_timedwait.9f                     := LINKSRC = condvar.9f
1465 cv_timedwait_sig.9f                 := LINKSRC = condvar.9f
1466 cv_wait.9f                          := LINKSRC = condvar.9f
1467 cv_wait_sig.9f                      := LINKSRC = condvar.9f

1469 csx_Get16.9f                        := LINKSRC = csx_Get8.9f
1470 csx_Get32.9f                        := LINKSRC = csx_Get8.9f
1471 csx_Get64.9f                        := LINKSRC = csx_Get8.9f

1473 csx_GetNextClient.9f                := LINKSRC = csx_GetFirstClient.9f

1475 csx_GetNextTuple.9f                 := LINKSRC = csx_GetFirstTuple.9f

1477 csx_RemoveDeviceNode.9f             := LINKSRC = csx_MakeDeviceNode.9f

1479 csx_Parse_CISTPL_DEVICE_A.9f        := LINKSRC = csx_Parse_CISTPL_DEVICE.9f
1480 csx_Parse_CISTPL_DEVICE_OA.9f       := LINKSRC = csx_Parse_CISTPL_DEVICE.9f
1481 csx_Parse_CISTPL_DEVICE_OC.9f       := LINKSRC = csx_Parse_CISTPL_DEVICE.9f

1483 csx_Parse_CISTPL_JEDEC_A.9f        := LINKSRC = csx_Parse_CISTPL_JEDEC_C.9f

1485 csx_Parse_CISTPL_LONGLINK_C.9f     := LINKSRC = csx_Parse_CISTPL_LONGLINK_A

1487 csx_Put16.9f                        := LINKSRC = csx_Put8.9f
1488 csx_Put32.9f                        := LINKSRC = csx_Put8.9f
1489 csx_Put64.9f                        := LINKSRC = csx_Put8.9f

1491 csx_RepGet16.9f                     := LINKSRC = csx_RepGet8.9f
1492 csx_RepGet32.9f                     := LINKSRC = csx_RepGet8.9f
1493 csx_RepGet64.9f                     := LINKSRC = csx_RepGet8.9f

1495 csx_RepPut16.9f                     := LINKSRC = csx_RepPut8.9f
1496 csx_RepPut32.9f                     := LINKSRC = csx_RepPut8.9f
1497 csx_RepPut64.9f                     := LINKSRC = csx_RepPut8.9f

1499 csx_ReleaseIO.9f                    := LINKSRC = csx_RequestIO.9f

1501 csx_ReleaseIRQ.9f                   := LINKSRC = csx_RequestIRQ.9f

1503 csx_ReleaseSocketMask.9f            := LINKSRC = csx_RequestSocketMask.9f

1505 csx_ReleaseWindow.9f                := LINKSRC = csx_RequestWindow.9f

1507 csx_GetEventMask.9f                 := LINKSRC = csx_SetEventMask.9f

1509 ddi_get_iblock_cookie.9f           := LINKSRC = ddi_add_intr.9f
1510 ddi_remove_intr.9f                  := LINKSRC = ddi_add_intr.9f

1512 ddi_get_soft_iblock_cookie.9f      := LINKSRC = ddi_add_softintr.9f
1513 ddi_remove_softintr.9f             := LINKSRC = ddi_add_softintr.9f
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1514 ddi_trigger_softintr.9f           := LINKSRC = ddi_add_softintr.9f

1516 ddi_get_name.9f                   := LINKSRC = ddi_binding_name.9f

1518 ddi_btopr.9f                      := LINKSRC = ddi_btop.9f
1519 ddi_ptob.9f                       := LINKSRC = ddi_btop.9f

1521 ddi_cb_unregister.9f              := LINKSRC = ddi_cb_register.9f

1523 ddi_check_dma_handle.9f           := LINKSRC = ddi_check_acc_handle.9f

1525 bcanputnext.9f                    := LINKSRC = canputnext.9f

1527 crgetgid.9f                       := LINKSRC = ddi_cred.9f
1528 crgetgroups.9f                    := LINKSRC = ddi_cred.9f
1529 crgetngroups.9f                   := LINKSRC = ddi_cred.9f
1530 crgetrgid.9f                     := LINKSRC = ddi_cred.9f
1531 crgetruid.9f                     := LINKSRC = ddi_cred.9f
1532 crgetsgid.9f                     := LINKSRC = ddi_cred.9f
1533 crgetsuid.9f                     := LINKSRC = ddi_cred.9f
1534 crgetuid.9f                      := LINKSRC = ddi_cred.9f
1535 crgetzoneid.9f                   := LINKSRC = ddi_cred.9f

1537 ddi_devid_free.9f                := LINKSRC = ddi_devid_compare.9f
1538 ddi_devid_get.9f                 := LINKSRC = ddi_devid_compare.9f
1539 ddi_devid_init.9f                := LINKSRC = ddi_devid_compare.9f
1540 ddi_devid_register.9f            := LINKSRC = ddi_devid_compare.9f
1541 ddi_devid_sizeof.9f              := LINKSRC = ddi_devid_compare.9f
1542 ddi_devid_str_decode.9f          := LINKSRC = ddi_devid_compare.9f
1543 ddi_devid_str_encode.9f          := LINKSRC = ddi_devid_compare.9f
1544 ddi_devid_str_free.9f            := LINKSRC = ddi_devid_compare.9f
1545 ddi_devid_unregister.9f          := LINKSRC = ddi_devid_compare.9f
1546 ddi_devid_valid.9f               := LINKSRC = ddi_devid_compare.9f

1548 ddi_dmae_1stparty.9f             := LINKSRC = ddi_dmae.9f
1549 ddi_dmae_alloc.9f                := LINKSRC = ddi_dmae.9f
1550 ddi_dmae_disable.9f              := LINKSRC = ddi_dmae.9f
1551 ddi_dmae_enable.9f               := LINKSRC = ddi_dmae.9f
1552 ddi_dmae_getattr.9f              := LINKSRC = ddi_dmae.9f
1553 ddi_dmae_getcnt.9f               := LINKSRC = ddi_dmae.9f
1554 ddi_dmae_prog.9f                 := LINKSRC = ddi_dmae.9f
1555 ddi_dmae_release.9f              := LINKSRC = ddi_dmae.9f
1556 ddi_dmae_stop.9f                 := LINKSRC = ddi_dmae.9f

1558 ddi_exit_critical.9f             := LINKSRC = ddi_enter_critical.9f

1560 ddi_fls.9f                       := LINKSRC = ddi_ffs.9f

1562 ddi_fm_dma_err_clear.9f          := LINKSRC = ddi_fm_acc_err_clear.9f

1564 ddi_fm_dma_err_get.9f            := LINKSRC = ddi_fm_acc_err_get.9f

1566 ddi_fm_handler_unregister.9f     := LINKSRC = ddi_fm_handler_register.9f

1568 ddi_fm_capable.9f                := LINKSRC = ddi_fm_init.9f
1569 ddi_fm_fini.9f                   := LINKSRC = ddi_fm_init.9f

1571 ddi_get16.9f                     := LINKSRC = ddi_get8.9f
1572 ddi_get32.9f                     := LINKSRC = ddi_get8.9f
1573 ddi_get64.9f                     := LINKSRC = ddi_get8.9f
1574 ddi_getb.9f                      := LINKSRC = ddi_get8.9f
1575 ddi_getl.9f                      := LINKSRC = ddi_get8.9f
1576 ddi_getll.9f                     := LINKSRC = ddi_get8.9f
1577 ddi_getw.9f                      := LINKSRC = ddi_get8.9f

1579 ddi_set_driver_private.9f        := LINKSRC = ddi_get_driver_private.9f
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1581 ddi_get_lbolt64.9f                  := LINKSRC = ddi_get_lbolt.9f

1583 ddi_intr_remove_handler.9f          := LINKSRC = ddi_intr_add_handler.9f

1585 ddi_intr_get_softint_pri.9f         := LINKSRC = ddi_intr_add_softint.9f
1586 ddi_intr_remove_softint.9f         := LINKSRC = ddi_intr_add_softint.9f
1587 ddi_intr_set_softint_pri.9f        := LINKSRC = ddi_intr_add_softint.9f
1588 ddi_intr_trigger_softint.9f        := LINKSRC = ddi_intr_add_softint.9f

1590 ddi_intr_free.9f                   := LINKSRC = ddi_intr_alloc.9f

1592 ddi_intr_block_disable.9f          := LINKSRC = ddi_intr_enable.9f
1593 ddi_intr_block_enable.9f           := LINKSRC = ddi_intr_enable.9f
1594 ddi_intr_disable.9f                := LINKSRC = ddi_intr_enable.9f

1596 ddi_intr_set_cap.9f                := LINKSRC = ddi_intr_get_cap.9f

1598 ddi_intr_get_navail.9f             := LINKSRC = ddi_intr_get_nintrs.9f

1600 ddi_intr_set_pri.9f                := LINKSRC = ddi_intr_get_pri.9f

1602 ddi_intr_clr_mask.9f               := LINKSRC = ddi_intr_set_mask.9f

1604 ddi_io_get16.9f                   := LINKSRC = ddi_io_get8.9f
1605 ddi_io_get32.9f                   := LINKSRC = ddi_io_get8.9f
1606 ddi_io_getb.9f                    := LINKSRC = ddi_io_get8.9f
1607 ddi_io_getl.9f                    := LINKSRC = ddi_io_get8.9f
1608 ddi_io_getw.9f                    := LINKSRC = ddi_io_get8.9f

1610 ddi_io_put16.9f                   := LINKSRC = ddi_io_put8.9f
1611 ddi_io_put32.9f                   := LINKSRC = ddi_io_put8.9f
1612 ddi_io_putb.9f                    := LINKSRC = ddi_io_put8.9f
1613 ddi_io_putl.9f                    := LINKSRC = ddi_io_put8.9f
1614 ddi_io_putw.9f                    := LINKSRC = ddi_io_put8.9f

1616 ddi_io_rep_get16.9f               := LINKSRC = ddi_io_rep_get8.9f
1617 ddi_io_rep_get32.9f               := LINKSRC = ddi_io_rep_get8.9f
1618 ddi_io_rep_getb.9f                := LINKSRC = ddi_io_rep_get8.9f
1619 ddi_io_rep_getl.9f                := LINKSRC = ddi_io_rep_get8.9f
1620 ddi_io_rep_getw.9f                := LINKSRC = ddi_io_rep_get8.9f

1622 ddi_io_rep_put16.9f               := LINKSRC = ddi_io_rep_put8.9f
1623 ddi_io_rep_put32.9f               := LINKSRC = ddi_io_rep_put8.9f
1624 ddi_io_rep_putb.9f                := LINKSRC = ddi_io_rep_put8.9f
1625 ddi_io_rep_putl.9f                := LINKSRC = ddi_io_rep_put8.9f
1626 ddi_io_rep_putw.9f                := LINKSRC = ddi_io_rep_put8.9f

1628 ddi_unmap_regs.9f                 := LINKSRC = ddi_map_regs.9f

1630 ddi_mem_get16.9f                  := LINKSRC = ddi_mem_get8.9f
1631 ddi_mem_get32.9f                  := LINKSRC = ddi_mem_get8.9f
1632 ddi_mem_get64.9f                  := LINKSRC = ddi_mem_get8.9f
1633 ddi_mem_getb.9f                   := LINKSRC = ddi_mem_get8.9f
1634 ddi_mem_getl.9f                   := LINKSRC = ddi_mem_get8.9f
1635 ddi_mem_getll.9f                  := LINKSRC = ddi_mem_get8.9f
1636 ddi_mem_getw.9f                   := LINKSRC = ddi_mem_get8.9f

1638 ddi_mem_put16.9f                  := LINKSRC = ddi_mem_put8.9f
1639 ddi_mem_put32.9f                  := LINKSRC = ddi_mem_put8.9f
1640 ddi_mem_put64.9f                  := LINKSRC = ddi_mem_put8.9f
1641 ddi_mem_putb.9f                   := LINKSRC = ddi_mem_put8.9f
1642 ddi_mem_putl.9f                   := LINKSRC = ddi_mem_put8.9f
1643 ddi_mem_putll.9f                  := LINKSRC = ddi_mem_put8.9f
1644 ddi_mem_putw.9f                   := LINKSRC = ddi_mem_put8.9f
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1646 ddi_mem_rep_get16.9f              := LINKSRC = ddi_mem_rep_get8.9f
1647 ddi_mem_rep_get32.9f              := LINKSRC = ddi_mem_rep_get8.9f
1648 ddi_mem_rep_get64.9f              := LINKSRC = ddi_mem_rep_get8.9f
1649 ddi_mem_rep_getb.9f               := LINKSRC = ddi_mem_rep_get8.9f
1650 ddi_mem_rep_getl.9f               := LINKSRC = ddi_mem_rep_get8.9f
1651 ddi_mem_rep_getll.9f              := LINKSRC = ddi_mem_rep_get8.9f
1652 ddi_mem_rep_getw.9f               := LINKSRC = ddi_mem_rep_get8.9f

1654 ddi_mem_rep_put16.9f              := LINKSRC = ddi_mem_rep_put8.9f
1655 ddi_mem_rep_put32.9f              := LINKSRC = ddi_mem_rep_put8.9f
1656 ddi_mem_rep_put64.9f              := LINKSRC = ddi_mem_rep_put8.9f
1657 ddi_mem_rep_putb.9f               := LINKSRC = ddi_mem_rep_put8.9f
1658 ddi_mem_rep_putl.9f               := LINKSRC = ddi_mem_rep_put8.9f
1659 ddi_mem_rep_putll.9f              := LINKSRC = ddi_mem_rep_put8.9f
1660 ddi_mem_rep_putw.9f               := LINKSRC = ddi_mem_rep_put8.9f

1662 ddi_modclose.9f                  := LINKSRC = ddi_modopen.9f
1663 ddi_modsym.9f                    := LINKSRC = ddi_modopen.9f

1665 ddi_peek16.9f                    := LINKSRC = ddi_peek.9f
1666 ddi_peek32.9f                    := LINKSRC = ddi_peek.9f
1667 ddi_peek64.9f                    := LINKSRC = ddi_peek.9f
1668 ddi_peek8.9f                     := LINKSRC = ddi_peek.9f
1669 ddi_peekc.9f                     := LINKSRC = ddi_peek.9f
1670 ddi_peekd.9f                     := LINKSRC = ddi_peek.9f
1671 ddi_peekl.9f                     := LINKSRC = ddi_peek.9f
1672 ddi_peeks.9f                     := LINKSRC = ddi_peek.9f

1674 ddi_poke16.9f                    := LINKSRC = ddi_poke.9f
1675 ddi_poke32.9f                    := LINKSRC = ddi_poke.9f
1676 ddi_poke64.9f                    := LINKSRC = ddi_poke.9f
1677 ddi_poke8.9f                     := LINKSRC = ddi_poke.9f
1678 ddi_pokec.9f                     := LINKSRC = ddi_poke.9f
1679 ddi_poked.9f                     := LINKSRC = ddi_poke.9f
1680 ddi_pokel.9f                     := LINKSRC = ddi_poke.9f
1681 ddi_pokes.9f                     := LINKSRC = ddi_poke.9f

1683 ddi_prop_modify.9f               := LINKSRC = ddi_prop_create.9f
1684 ddi_prop_remove.9f               := LINKSRC = ddi_prop_create.9f
1685 ddi_prop_remove_all.9f           := LINKSRC = ddi_prop_create.9f
1686 ddi_prop_undefine.9f             := LINKSRC = ddi_prop_create.9f

1688 ddi_prop_get_int64.9f            := LINKSRC = ddi_prop_get_int.9f

1690 ddi_prop_free.9f                 := LINKSRC = ddi_prop_lookup.9f
1691 ddi_prop_lookup_byte_array.9f    := LINKSRC = ddi_prop_lookup.9f
1692 ddi_prop_lookup_int64_array.9f   := LINKSRC = ddi_prop_lookup.9f
1693 ddi_prop_lookup_int_array.9f     := LINKSRC = ddi_prop_lookup.9f
1694 ddi_prop_lookup_string.9f        := LINKSRC = ddi_prop_lookup.9f
1695 ddi_prop_lookup_string_array.9f  := LINKSRC = ddi_prop_lookup.9f

1697 ddi_getlongprop.9f               := LINKSRC = ddi_prop_op.9f
1698 ddi_getlongprop_buf.9f           := LINKSRC = ddi_prop_op.9f
1699 ddi_getprop.9f                   := LINKSRC = ddi_prop_op.9f
1700 ddi_getproplen.9f                := LINKSRC = ddi_prop_op.9f

1702 ddi_prop_update_byte_array.9f    := LINKSRC = ddi_prop_update.9f
1703 ddi_prop_update_int.9f           := LINKSRC = ddi_prop_update.9f
1704 ddi_prop_update_int64.9f         := LINKSRC = ddi_prop_update.9f
1705 ddi_prop_update_int64_array.9f   := LINKSRC = ddi_prop_update.9f
1706 ddi_prop_update_int_array.9f     := LINKSRC = ddi_prop_update.9f
1707 ddi_prop_update_string.9f        := LINKSRC = ddi_prop_update.9f
1708 ddi_prop_update_string_array.9f  := LINKSRC = ddi_prop_update.9f

1710 ddi_put16.9f                    := LINKSRC = ddi_put8.9f
1711 ddi_put32.9f                    := LINKSRC = ddi_put8.9f
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1712 ddi_put64.9f                        := LINKSRC = ddi_put8.9f
1713 ddi_putb.9f                         := LINKSRC = ddi_put8.9f
1714 ddi_putl.9f                         := LINKSRC = ddi_put8.9f
1715 ddi_putll.9f                        := LINKSRC = ddi_put8.9f
1716 ddi_putw.9f                         := LINKSRC = ddi_put8.9f

1718 ddi_rep_get16.9f                    := LINKSRC = ddi_rep_get8.9f
1719 ddi_rep_get32.9f                    := LINKSRC = ddi_rep_get8.9f
1720 ddi_rep_get64.9f                    := LINKSRC = ddi_rep_get8.9f
1721 ddi_rep_getb.9f                     := LINKSRC = ddi_rep_get8.9f
1722 ddi_rep_getl.9f                     := LINKSRC = ddi_rep_get8.9f
1723 ddi_rep_getll.9f                    := LINKSRC = ddi_rep_get8.9f
1724 ddi_rep_getw.9f                     := LINKSRC = ddi_rep_get8.9f

1726 ddi_rep_put16.9f                    := LINKSRC = ddi_rep_put8.9f
1727 ddi_rep_put32.9f                    := LINKSRC = ddi_rep_put8.9f
1728 ddi_rep_put64.9f                    := LINKSRC = ddi_rep_put8.9f
1729 ddi_rep_putb.9f                     := LINKSRC = ddi_rep_put8.9f
1730 ddi_rep_putl.9f                     := LINKSRC = ddi_rep_put8.9f
1731 ddi_rep_putll.9f                    := LINKSRC = ddi_rep_put8.9f
1732 ddi_rep_putw.9f                     := LINKSRC = ddi_rep_put8.9f

1734 ddi_segmap_setup.9f                := LINKSRC = ddi_segmap.9f

1736 ddi_get_soft_state.9f              := LINKSRC = ddi_soft_state.9f
1737 ddi_soft_state_fini.9f             := LINKSRC = ddi_soft_state.9f
1738 ddi_soft_state_free.9f             := LINKSRC = ddi_soft_state.9f
1739 ddi_soft_state_init.9f             := LINKSRC = ddi_soft_state.9f
1740 ddi_soft_state_zalloc.9f           := LINKSRC = ddi_soft_state.9f

1742 ddi_strtoull.9f                    := LINKSRC = ddi_strtoll.9f

1744 ddi_umem_free.9f                   := LINKSRC = ddi_umem_alloc.9f

1746 ddi_umem_unlock.9f                 := LINKSRC = ddi_umem_lock.9f

1748 devmap_umem_setup.9f               := LINKSRC = devmap_devmem_setup.9f

1750 ddi_devmap_segmap.9f              := LINKSRC = devmap_setup.9f

1752 devmap_load.9f                    := LINKSRC = devmap_unload.9f

1754 dlerrorack.9f                     := LINKSRC = dlbindack.9f
1755 dlokack.9f                        := LINKSRC = dlbindack.9f
1756 dlphysaddrack.9f                  := LINKSRC = dlbindack.9f
1757 dluderrorind.9f                   := LINKSRC = dlbindack.9f

1759 desballoc.9f                      := LINKSRC = esballoc.9f

1761 unfreezestr.9f                    := LINKSRC = freezestr.9f

1763 firmware_close.9f                 := LINKSRC = firmload.9f
1764 firmware_free.9f                  := LINKSRC = firmload.9f
1765 firmware_get_size.9f              := LINKSRC = firmload.9f
1766 firmware_malloc.9f                := LINKSRC = firmload.9f
1767 firmware_open.9f                  := LINKSRC = firmload.9f
1768 firmware_read.9f                  := LINKSRC = firmload.9f

1770 free_pktiopb.9f                   := LINKSRC = get_pktiopb.9f

1772 gld_intr.9f                       := LINKSRC = gld.9f
1773 gld_mac_alloc.9f                  := LINKSRC = gld.9f
1774 gld_mac_free.9f                   := LINKSRC = gld.9f
1775 gld_recv.9f                       := LINKSRC = gld.9f
1776 gld_register.9f                   := LINKSRC = gld.9f
1777 gld_sched.9f                      := LINKSRC = gld.9f
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1778 gld_unregister.9f                 := LINKSRC = gld.9f

1780 id_space_create.9f                := LINKSRC = id_space.9f
1781 id_space_destroy.9f               := LINKSRC = id_space.9f
1782 id_space_extend.9f                := LINKSRC = id_space.9f
1783 id_alloc.9f                       := LINKSRC = id_space.9f
1784 id_alloc_nosleep.9f               := LINKSRC = id_space.9f
1785 id_allocff.9f                     := LINKSRC = id_space.9f
1786 id_allocff_nosleep.9f            := LINKSRC = id_space.9f
1787 id_alloc_specific_nosleep.9f     := LINKSRC = id_space.9f
1788 id_free.9f                       := LINKSRC = id_space.9f

1790 id32_free.9f                     := LINKSRC = id32_alloc.9f
1791 id32_lookup.9f                   := LINKSRC = id32_alloc.9f

1793 inl.9f                          := LINKSRC = inb.9f
1794 inw.9f                          := LINKSRC = inb.9f
1795 repinsb.9f                      := LINKSRC = inb.9f
1796 repinsd.9f                      := LINKSRC = inb.9f
1797 repinsw.9f                      := LINKSRC = inb.9f

1799 kmem_free.9f                    := LINKSRC = kmem_alloc.9f
1800 kmem_zalloc.9f                  := LINKSRC = kmem_alloc.9f

1802 kmem_cache_alloc.9f             := LINKSRC = kmem_cache_create.9f
1803 kmem_cache_destroy.9f           := LINKSRC = kmem_cache_create.9f
1804 kmem_cache_free.9f              := LINKSRC = kmem_cache_create.9f
1805 kmem_cache_set_move.9f          := LINKSRC = kmem_cache_create.9f

1807 kstat_named_setstr.9f           := LINKSRC = kstat_named_init.9f

1809 kstat_runq_back_to_waitq.9f     := LINKSRC = kstat_queue.9f
1810 kstat_runq_enter.9f             := LINKSRC = kstat_queue.9f
1811 kstat_runq_exit.9f              := LINKSRC = kstat_queue.9f
1812 kstat_waitq_enter.9f            := LINKSRC = kstat_queue.9f
1813 kstat_waitq_exit.9f             := LINKSRC = kstat_queue.9f
1814 kstat_waitq_to_runq.9f          := LINKSRC = kstat_queue.9f

1816 ldi_awrite.9f                   := LINKSRC = ldi_aread.9f

1818 ldi_get_devid.9f                := LINKSRC = ldi_get_dev.9f
1819 ldi_get_minor_name.9f           := LINKSRC = ldi_get_dev.9f
1820 ldi_get_otyp.9f                 := LINKSRC = ldi_get_dev.9f

1822 ldi_ident_from_dip.9f           := LINKSRC = ldi_ident_from_dev.9f
1823 ldi_ident_from_stream.9f        := LINKSRC = ldi_ident_from_dev.9f
1824 ldi_ident_release.9f            := LINKSRC = ldi_ident_from_dev.9f

1826 ldi_close.9f                   := LINKSRC = ldi_open_by_dev.9f
1827 ldi_open_by_devid.9f           := LINKSRC = ldi_open_by_dev.9f
1828 ldi_open_by_name.9f            := LINKSRC = ldi_open_by_dev.9f

1830 ldi_prop_get_int64.9f          := LINKSRC = ldi_prop_get_int.9f

1832 ldi_prop_lookup_byte_array.9f  := LINKSRC = ldi_prop_lookup_int_array.9
1833 ldi_prop_lookup_int64_array.9f := LINKSRC = ldi_prop_lookup_int_array.9
1834 ldi_prop_lookup_string.9f      := LINKSRC = ldi_prop_lookup_int_array.9
1835 ldi_prop_lookup_string_array.9f := LINKSRC = ldi_prop_lookup_int_array.9

1837 ldi_getmsg.9f                  := LINKSRC = ldi_putmsg.9f

1839 ldi_write.9f                   := LINKSRC = ldi_read.9f

1841 list_destroy.9f                := LINKSRC = list_create.9f
1842 list_head.9f                   := LINKSRC = list_create.9f
1843 list_insert_after.9f           := LINKSRC = list_create.9f
```

```
1844 list_insert_before.9f                   := LINKSRC = list_create.9f
1845 list_insert_head.9f                     := LINKSRC = list_create.9f
1846 list_insert_tail.9f                     := LINKSRC = list_create.9f
1847 list_is_empty.9f                       := LINKSRC = list_create.9f
1848 list_link_active.9f                    := LINKSRC = list_create.9f
1849 list_link_init.9f                      := LINKSRC = list_create.9f
1850 list_link_replace.9f                   := LINKSRC = list_create.9f
1851 list_move_tail.9f                      := LINKSRC = list_create.9f
1852 list_next.9f                           := LINKSRC = list_create.9f
1853 list_prev.9f                           := LINKSRC = list_create.9f
1854 list_remove.9f                         := LINKSRC = list_create.9f
1855 list_remove_head.9f                    := LINKSRC = list_create.9f
1856 list_remove_tail.9f                    := LINKSRC = list_create.9f
1857 list_tail.9f                           := LINKSRC = list_create.9f

1859 mac_free.9f                           := LINKSRC = mac_alloc.9f
1860 mac_hcksum_set.9f                      := LINKSRC = mac_hcksum_get.9f
1861 mac_fini_ops.9f                        := LINKSRC = mac_init_ops.9f
1862 mac_prop_info_set_default_link_flowctrl.9f      := LINKSRC = mac_prop_info.9f
1863 mac_prop_info_set_default_str.9f       := LINKSRC = mac_prop_info.9f
1864 mac_prop_info_set_default_uint8.9f     := LINKSRC = mac_prop_info.9f
1865 mac_prop_info_set_default_uint32.9f    := LINKSRC = mac_prop_info.9f
1866 mac_prop_info_set_default_uint64.9f    := LINKSRC = mac_prop_info.9f
1867 mac_prop_info_set_perm.9f              := LINKSRC = mac_prop_info.9f
1868 mac_prop_info_set_range_uint32.9f      := LINKSRC = mac_prop_info.9f

1870 mac_transceiver_info_set_present.9f    := LINKSRC = mac_transceiver_info.9f
1871 mac_transceiver_info_set_usable.9f     := LINKSRC = mac_transceiver_info.9f

1873 mac_unregister.9f                      := LINKSRC = mac_register.9f

1875 makecom_g0.9f                         := LINKSRC = makecom.9f
1876 makecom_g0_s.9f                       := LINKSRC = makecom.9f
1877 makecom_g1.9f                         := LINKSRC = makecom.9f
1878 makecom_g5.9f                         := LINKSRC = makecom.9f

1880 membar_consumer.9f                    := LINKSRC = membar_ops.9f
1881 membar_enter.9f                       := LINKSRC = membar_ops.9f
1882 membar_exit.9f                        := LINKSRC = membar_ops.9f
1883 membar_producer.9f                    := LINKSRC = membar_ops.9f

1885 memcmp.9f                            := LINKSRC = memchr.9f
1886 memcpy.9f                            := LINKSRC = memchr.9f
1887 memmove.9f                           := LINKSRC = memchr.9f
1888 memset.9f                            := LINKSRC = memchr.9f

1890 mod_info.9f                          := LINKSRC = mod_install.9f
1891 mod_modname.9f                       := LINKSRC = mod_install.9f
1892 mod_remove.9f                        := LINKSRC = mod_install.9f

1894 mutex_destroy.9f                      := LINKSRC = mutex.9f
1895 mutex_enter.9f                        := LINKSRC = mutex.9f
1896 mutex_exit.9f                         := LINKSRC = mutex.9f
1897 mutex_init.9f                         := LINKSRC = mutex.9f
1898 mutex_owned.9f                        := LINKSRC = mutex.9f
1899 mutex_tryenter.9f                     := LINKSRC = mutex.9f

1901 net_event_notify_unregister.9f        := LINKSRC = net_event_notify_register.9

1903 net_instance_notify_unregister.9f     := LINKSRC = net_instance_notify_registe

1905 net_instance_protocol_unregister.9f   := LINKSRC = net_protocol_notify_registe

1907 nvlist_add_boolean_array.9f           := LINKSRC = nvlist_add_boolean.9f
1908 nvlist_add_boolean_value.9f           := LINKSRC = nvlist_add_boolean.9f
1909 nvlist_add_byte.9f                    := LINKSRC = nvlist_add_boolean.9f
```



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1910 nvlist_add_byte_array.9f              := LINKSRC = nvlist_add_boolean.9f
1911 nvlist_add_int16.9f                   := LINKSRC = nvlist_add_boolean.9f
1912 nvlist_add_int16_array.9f             := LINKSRC = nvlist_add_boolean.9f
1913 nvlist_add_int32.9f                   := LINKSRC = nvlist_add_boolean.9f
1914 nvlist_add_int32_array.9f             := LINKSRC = nvlist_add_boolean.9f
1915 nvlist_add_int64.9f                   := LINKSRC = nvlist_add_boolean.9f
1916 nvlist_add_int64_array.9f             := LINKSRC = nvlist_add_boolean.9f
1917 nvlist_add_int8.9f                    := LINKSRC = nvlist_add_boolean.9f
1918 nvlist_add_int8_array.9f              := LINKSRC = nvlist_add_boolean.9f
1919 nvlist_add_nvlist.9f                  := LINKSRC = nvlist_add_boolean.9f
1920 nvlist_add_nvlist_array.9f            := LINKSRC = nvlist_add_boolean.9f
1921 nvlist_add_nvpair.9f                  := LINKSRC = nvlist_add_boolean.9f
1922 nvlist_add_string.9f                  := LINKSRC = nvlist_add_boolean.9f
1923 nvlist_add_string_array.9f            := LINKSRC = nvlist_add_boolean.9f
1924 nvlist_add_uint16.9f                  := LINKSRC = nvlist_add_boolean.9f
1925 nvlist_add_uint16_array.9f            := LINKSRC = nvlist_add_boolean.9f
1926 nvlist_add_uint32.9f                  := LINKSRC = nvlist_add_boolean.9f
1927 nvlist_add_uint32_array.9f            := LINKSRC = nvlist_add_boolean.9f
1928 nvlist_add_uint64.9f                  := LINKSRC = nvlist_add_boolean.9f
1929 nvlist_add_uint64_array.9f            := LINKSRC = nvlist_add_boolean.9f
1930 nvlist_add_uint8.9f                   := LINKSRC = nvlist_add_boolean.9f
1931 nvlist_add_uint8_array.9f             := LINKSRC = nvlist_add_boolean.9f
1932 nvlist_t.9f                           := LINKSRC = nvlist_add_boolean.9f

1934 nv_alloc_fini.9f                      := LINKSRC = nvlist_alloc.9f
1935 nv_alloc_init.9f                      := LINKSRC = nvlist_alloc.9f
1936 nvlist_dup.9f                         := LINKSRC = nvlist_alloc.9f
1937 nvlist_free.9f                        := LINKSRC = nvlist_alloc.9f
1938 nvlist_merge.9f                       := LINKSRC = nvlist_alloc.9f
1939 nvlist_pack.9f                        := LINKSRC = nvlist_alloc.9f
1940 nvlist_size.9f                        := LINKSRC = nvlist_alloc.9f
1941 nvlist_unpack.9f                      := LINKSRC = nvlist_alloc.9f
1942 nvlist_xalloc.9f                      := LINKSRC = nvlist_alloc.9f
1943 nvlist_xdup.9f                        := LINKSRC = nvlist_alloc.9f
1944 nvlist_xpack.9f                       := LINKSRC = nvlist_alloc.9f
1945 nvlist_xunpack.9f                     := LINKSRC = nvlist_alloc.9f

1947 nvlist_lookup_boolean_array.9f        := LINKSRC = nvlist_lookup_boolean.9f
1948 nvlist_lookup_boolean_value.9f        := LINKSRC = nvlist_lookup_boolean.9f
1949 nvlist_lookup_byte.9f                 := LINKSRC = nvlist_lookup_boolean.9f
1950 nvlist_lookup_byte_array.9f           := LINKSRC = nvlist_lookup_boolean.9f
1951 nvlist_lookup_int16.9f                := LINKSRC = nvlist_lookup_boolean.9f
1952 nvlist_lookup_int16_array.9f          := LINKSRC = nvlist_lookup_boolean.9f
1953 nvlist_lookup_int32.9f                := LINKSRC = nvlist_lookup_boolean.9f
1954 nvlist_lookup_int32_array.9f          := LINKSRC = nvlist_lookup_boolean.9f
1955 nvlist_lookup_int64.9f                := LINKSRC = nvlist_lookup_boolean.9f
1956 nvlist_lookup_int64_array.9f          := LINKSRC = nvlist_lookup_boolean.9f
1957 nvlist_lookup_int8.9f                 := LINKSRC = nvlist_lookup_boolean.9f
1958 nvlist_lookup_int8_array.9f           := LINKSRC = nvlist_lookup_boolean.9f
1959 nvlist_lookup_nvlist.9f               := LINKSRC = nvlist_lookup_boolean.9f
1960 nvlist_lookup_nvlist_array.9f         := LINKSRC = nvlist_lookup_boolean.9f
1961 nvlist_lookup_pairs.9f                := LINKSRC = nvlist_lookup_boolean.9f
1962 nvlist_lookup_string.9f               := LINKSRC = nvlist_lookup_boolean.9f
1963 nvlist_lookup_string_array.9f         := LINKSRC = nvlist_lookup_boolean.9f
1964 nvlist_lookup_uint16.9f               := LINKSRC = nvlist_lookup_boolean.9f
1965 nvlist_lookup_uint16_array.9f         := LINKSRC = nvlist_lookup_boolean.9f
1966 nvlist_lookup_uint32.9f               := LINKSRC = nvlist_lookup_boolean.9f
1967 nvlist_lookup_uint32_array.9f         := LINKSRC = nvlist_lookup_boolean.9f
1968 nvlist_lookup_uint64.9f               := LINKSRC = nvlist_lookup_boolean.9f
1969 nvlist_lookup_uint64_array.9f         := LINKSRC = nvlist_lookup_boolean.9f
1970 nvlist_lookup_uint8.9f                := LINKSRC = nvlist_lookup_boolean.9f
1971 nvlist_lookup_uint8_array.9f          := LINKSRC = nvlist_lookup_boolean.9f

1973 nvlist_exists.9f                      := LINKSRC = nvlist_lookup_nvpair.9f

1975 nvpair_name.9f                       := LINKSRC = nvlist_next_nvpair.9f
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1976 nvpair_type.9f                          := LINKSRC = nvlist_next_nvpair.9f

1978 nvlist_remove_all.9f                    := LINKSRC = nvlist_remove.9f

1980 nvpair_value_boolean_array.9f           := LINKSRC = nvpair_value_byte.9f
1981 nvpair_value_byte_array.9f             := LINKSRC = nvpair_value_byte.9f
1982 nvpair_value_int16.9f                  := LINKSRC = nvpair_value_byte.9f
1983 nvpair_value_int16_array.9f            := LINKSRC = nvpair_value_byte.9f
1984 nvpair_value_int32.9f                  := LINKSRC = nvpair_value_byte.9f
1985 nvpair_value_int32_array.9f            := LINKSRC = nvpair_value_byte.9f
1986 nvpair_value_int64.9f                  := LINKSRC = nvpair_value_byte.9f
1987 nvpair_value_int64_array.9f            := LINKSRC = nvpair_value_byte.9f
1988 nvpair_value_int8.9f                   := LINKSRC = nvpair_value_byte.9f
1989 nvpair_value_int8_array.9f             := LINKSRC = nvpair_value_byte.9f
1990 nvpair_value_nvlist.9f                 := LINKSRC = nvpair_value_byte.9f
1991 nvpair_value_nvlist_array.9f           := LINKSRC = nvpair_value_byte.9f
1992 nvpair_value_string.9f                 := LINKSRC = nvpair_value_byte.9f
1993 nvpair_value_string_array.9f           := LINKSRC = nvpair_value_byte.9f
1994 nvpair_value_uint16.9f                 := LINKSRC = nvpair_value_byte.9f
1995 nvpair_value_uint16_array.9f           := LINKSRC = nvpair_value_byte.9f
1996 nvpair_value_uint32.9f                 := LINKSRC = nvpair_value_byte.9f
1997 nvpair_value_uint32_array.9f           := LINKSRC = nvpair_value_byte.9f
1998 nvpair_value_uint64.9f                 := LINKSRC = nvpair_value_byte.9f
1999 nvpair_value_uint64_array.9f           := LINKSRC = nvpair_value_byte.9f
2000 nvpair_value_uint8.9f                  := LINKSRC = nvpair_value_byte.9f
2001 nvpair_value_uint8_array.9f            := LINKSRC = nvpair_value_byte.9f

2003 outl.9f                                := LINKSRC = outb.9f
2004 outw.9f                                := LINKSRC = outb.9f
2005 repoutsb.9f                            := LINKSRC = outb.9f
2006 repoutsd.9f                            := LINKSRC = outb.9f
2007 repoutsw.9f                            := LINKSRC = outb.9f

2009 pci_config_get16.9f                    := LINKSRC = pci_config_get8.9f
2010 pci_config_get32.9f                    := LINKSRC = pci_config_get8.9f
2011 pci_config_get64.9f                    := LINKSRC = pci_config_get8.9f
2012 pci_config_getb.9f                     := LINKSRC = pci_config_get8.9f
2013 pci_config_getl.9f                     := LINKSRC = pci_config_get8.9f
2014 pci_config_getll.9f                    := LINKSRC = pci_config_get8.9f
2015 pci_config_getw.9f                     := LINKSRC = pci_config_get8.9f
2016 pci_config_put16.9f                    := LINKSRC = pci_config_get8.9f
2017 pci_config_put32.9f                    := LINKSRC = pci_config_get8.9f
2018 pci_config_put64.9f                    := LINKSRC = pci_config_get8.9f
2019 pci_config_put8.9f                     := LINKSRC = pci_config_get8.9f
2020 pci_config_putb.9f                     := LINKSRC = pci_config_get8.9f
2021 pci_config_putl.9f                     := LINKSRC = pci_config_get8.9f
2022 pci_config_putll.9f                    := LINKSRC = pci_config_get8.9f
2023 pci_config_putw.9f                     := LINKSRC = pci_config_get8.9f

2025 pci_config_teardown.9f                 := LINKSRC = pci_config_setup.9f

2027 pci_ereport_post.9f                    := LINKSRC = pci_ereport_setup.9f
2028 pci_ereport_teardown.9f                := LINKSRC = pci_ereport_setup.9f

2030 pci_restore_config_regs.9f             := LINKSRC = pci_save_config_regs.9f

2032 minphys.9f                             := LINKSRC = physio.9f

2034 pm_idle_component.9f                   := LINKSRC = pm_busy_component.9f

2036 pm_lower_power.9f                      := LINKSRC = pm_raise_power.9f

2038 priv_policy_choice.9f                  := LINKSRC = priv_policy.9f
2039 priv_policy_only.9f                    := LINKSRC = priv_policy.9f

2041 proc_ref.9f                            := LINKSRC = proc_signal.9f
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2042 proc_unref.9f                          := LINKSRC = proc_signal.9f

2044 qprocsoff.9f                           := LINKSRC = qprocson.9f

2046 qwait_sig.9f                           := LINKSRC = qwait.9f

2048 rmallocmap_wait.9f                     := LINKSRC = rmallocmap.9f
2049 rmfreemap.9f                           := LINKSRC = rmallocmap.9f

2051 rw_destroy.9f                          := LINKSRC = rwlock.9f
2052 rw_downgrade.9f                        := LINKSRC = rwlock.9f
2053 rw_enter.9f                           := LINKSRC = rwlock.9f
2054 rw_exit.9f                            := LINKSRC = rwlock.9f
2055 rw_init.9f                            := LINKSRC = rwlock.9f
2056 rw_read_locked.9f                     := LINKSRC = rwlock.9f
2057 rw_tryenter.9f                        := LINKSRC = rwlock.9f
2058 rw_tryupgrade.9f                      := LINKSRC = rwlock.9f

2060 sas_phymap_destroy.9f                 := LINKSRC = sas_phymap_create.9f
2061 sas_phymap_phy_add.9f                 := LINKSRC = sas_phymap_create.9f
2062 sas_phymap_phy_rem.9f                 := LINKSRC = sas_phymap_create.9f

2064 sas_phymap_lookup_uapriv.9f           := LINKSRC = sas_phymap_lookup_ua.9f
2065 sas_phymap_phy2ua.9f                  := LINKSRC = sas_phymap_lookup_ua.9f
2066 sas_phymap_ua_free.9f                 := LINKSRC = sas_phymap_lookup_ua.9f
2067 sas_phymap_uahasphys.9f               := LINKSRC = sas_phymap_lookup_ua.9f
2068 sas_phymap_ua2phys.9f                 := LINKSRC = sas_phymap_lookup_ua.9f
2069 sas_phymap_phys_next.9f               := LINKSRC = sas_phymap_lookup_ua.9f
2070 sas_phymap_phys_free.9f               := LINKSRC = sas_phymap_lookup_ua.9f

2072 scsi_device_unit_address.9f           := LINKSRC = scsi_address_device.9f
2073 scsi_device_hba_private_get.9f        := LINKSRC = scsi_address_device.9f
2074 scsi_device_hba_private_set.9f        := LINKSRC = scsi_address_device.9f

2076 scsi_dname.9f                         := LINKSRC = scsi_cname.9f
2077 scsi_mname.9f                         := LINKSRC = scsi_cname.9f
2078 scsi_rname.9f                         := LINKSRC = scsi_cname.9f
2079 scsi_sname.9f                         := LINKSRC = scsi_cname.9f

2081 scsi_dmafree.9f                       := LINKSRC = scsi_dmaget.9f

2083 scsi_sense_cmdspecific_uint64.9f      := LINKSRC = scsi_ext_sense_fields.9f
2084 scsi_sense_info_uint64.9f             := LINKSRC = scsi_ext_sense_fields.9f

2086 scsi_hba_detach.9f                    := LINKSRC = scsi_hba_attach_setup.9f

2088 scsi_hba_fini.9f                      := LINKSRC = scsi_hba_init.9f

2090 scsi_hba_iportmap_destroy.9f          := LINKSRC = scsi_hba_iportmap_create.9f
2091 scsi_hba_iportmap_iport_add.9f        := LINKSRC = scsi_hba_iportmap_create.9f
2092 scsi_hba_iportmap_iport_remove.9f     := LINKSRC = scsi_hba_iportmap_create.9f

2094 scsi_hba_iport_find.9f                := LINKSRC = scsi_hba_iport_exist.9f

2096 scsi_hba_pkt_free.9f                  := LINKSRC = scsi_hba_pkt_alloc.9f

2098 scsi_hba_tgtmap_destroy.9f            := LINKSRC = scsi_hba_tgtmap_create.9f
2099 scsi_hba_tgtmap_set_begin.9f          := LINKSRC = scsi_hba_tgtmap_create.9f
2100 scsi_hba_tgtmap_set_add.9f            := LINKSRC = scsi_hba_tgtmap_create.9f
2101 scsi_hba_tgtmap_set_end.9f            := LINKSRC = scsi_hba_tgtmap_create.9f
2102 scsi_hba_tgtmap_set_flush.9f          := LINKSRC = scsi_hba_tgtmap_create.9f
2103 scsi_hba_tgtmap_tgt_add.9f            := LINKSRC = scsi_hba_tgtmap_create.9f
2104 scsi_hba_tgtmap_tgt_remove.9f         := LINKSRC = scsi_hba_tgtmap_create.9f

2106 scsi_hba_tran_free.9f                 := LINKSRC = scsi_hba_tran_alloc.9f
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2108 scsi_ifsetcap.9f                        := LINKSRC = scsi_ifgetcap.9f

2110 scsi_pktfree.9f                         := LINKSRC = scsi_pktalloc.9f
2111 scsi_resalloc.9f                        := LINKSRC = scsi_pktalloc.9f
2112 scsi_resfree.9f                         := LINKSRC = scsi_pktalloc.9f

2114 scsi_sense_asc.9f                       := LINKSRC = scsi_sense_key.9f
2115 scsi_sense_ascq.9f                      := LINKSRC = scsi_sense_key.9f

2117 scsi_unslave.9f                         := LINKSRC = scsi_unprobe.9f

2119 scsi_wwn_to_wwnstr.9f                   := LINKSRC = scsi_wwnstr_to_wwn.9f
2120 scsi_free_wwnstr.9f                     := LINKSRC = scsi_wwnstr_to_wwn.9f

2122 sema_destroy.9f                         := LINKSRC = semaphore.9f
2123 sema_init.9f                            := LINKSRC = semaphore.9f
2124 sema_p.9f                              := LINKSRC = semaphore.9f
2125 sema_p_sig.9f                          := LINKSRC = semaphore.9f
2126 sema_tryp.9f                           := LINKSRC = semaphore.9f
2127 sema_v.9f                              := LINKSRC = semaphore.9f

2129 snprintf.9f                            := LINKSRC = sprintf.9f
2130 vsprintf.9f                            := LINKSRC = sprintf.9f
2131 vsnprintf.9f                           := LINKSRC = sprintf.9f

2133 numtos.9f                              := LINKSRC = stoi.9f

2135 ddi_strdup.9f                          := LINKSRC = string.9f
2136 strcasecmp.9f                         := LINKSRC = string.9f
2137 strcat.9f                             := LINKSRC = string.9f
2138 strchr.9f                             := LINKSRC = string.9f
2139 strcmp.9f                             := LINKSRC = string.9f
2140 strcpy.9f                             := LINKSRC = string.9f
2141 strdup.9f                             := LINKSRC = string.9f
2142 strfree.9f                            := LINKSRC = string.9f
2143 strlcat.9f                            := LINKSRC = string.9f
2144 strlcpy.9f                            := LINKSRC = string.9f
2145 strlen.9f                             := LINKSRC = string.9f
2146 strncasecmp.9f                        := LINKSRC = string.9f
2147 strncat.9f                            := LINKSRC = string.9f
2148 strncmp.9f                            := LINKSRC = string.9f
2149 strncpy.9f                            := LINKSRC = string.9f
2150 strnlen.9f                            := LINKSRC = string.9f
2151 strrchr.9f                            := LINKSRC = string.9f
2152 strspn.9f                             := LINKSRC = string.9f

2154 ddi_taskq_create.9f                    := LINKSRC = taskq.9f
2155 ddi_taskq_destroy.9f                   := LINKSRC = taskq.9f
2156 ddi_taskq_dispatch.9f                  := LINKSRC = taskq.9f
2157 ddi_taskq_resume.9f                    := LINKSRC = taskq.9f
2158 ddi_taskq_suspend.9f                   := LINKSRC = taskq.9f
2159 ddi_taskq_wait.9f                      := LINKSRC = taskq.9f
2160 taskq_suspended.9f                     := LINKSRC = taskq.9f

2162 uconv_u16tou8.9f                       := LINKSRC = uconv_u16tou32.9f
2163 uconv_u32tou16.9f                      := LINKSRC = uconv_u16tou32.9f
2164 uconv_u32tou8.9f                       := LINKSRC = uconv_u16tou32.9f
2165 uconv_u8tou16.9f                       := LINKSRC = uconv_u16tou32.9f
2166 uconv_u8tou32.9f                       := LINKSRC = uconv_u16tou32.9f

2168 usb_alloc_bulk_req.9f                 := LINKSRC = usb_alloc_request.9f
2169 usb_alloc_ctrl_req.9f                 := LINKSRC = usb_alloc_request.9f
2170 usb_alloc_intr_req.9f                 := LINKSRC = usb_alloc_request.9f
2171 usb_alloc_isoc_req.9f                 := LINKSRC = usb_alloc_request.9f
2172 usb_free_bulk_req.9f                  := LINKSRC = usb_alloc_request.9f
2173 usb_free_ctrl_req.9f                  := LINKSRC = usb_alloc_request.9f
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2174 usb_free_intr_req.9f                  := LINKSRC = usb_alloc_request.9f
2175 usb_free_isoc_req.9f                  := LINKSRC = usb_alloc_request.9f
2176 usb_client_detach.9f                  := LINKSRC = usb_client_attach.9f

2178 usb_get_if_number.9f                  := LINKSRC = usb_get_alt_if.9f
2179 usb_owns_device.9f                    := LINKSRC = usb_get_alt_if.9f
2180 usb_set_alt_if.9f                     := LINKSRC = usb_get_alt_if.9f

2182 usb_set_cfg.9f                       := LINKSRC = usb_get_cfg.9f

2184 usb_free_descr_tree.9f                := LINKSRC = usb_get_dev_data.9f
2185 usb_free_dev_data.9f                  := LINKSRC = usb_get_dev_data.9f
2186 usb_print_descr_tree.9f               := LINKSRC = usb_get_dev_data.9f

2188 usb_pipe_ctrl_xfer_wait.9f           := LINKSRC = usb_pipe_ctrl_xfer.9f
2189 usb_pipe_stop_intr_polling.9f         := LINKSRC = usb_pipe_intr_xfer.9f
2190 usb_pipe_stop_isoc_polling.9f         := LINKSRC = usb_pipe_isoc_xfer.9f

2192 usb_pipe_get_private.9f               := LINKSRC = usb_pipe_set_private.9f

2194 usb_pipe_open.9f                      := LINKSRC = usb_pipe_xopen.9f

2196 usb_unregister_hotplug_cbs.9f         := LINKSRC = usb_register_hotplug_cbs.9f

2198 usba_free_hcdi_ops.9f                 := LINKSRC = usba_alloc_hcdi_ops.9f

2200 usba_hcdi_unregister.9f               := LINKSRC = usba_hcdi_register.9f

2202 usba_hubdi_close.9f                   := LINKSRC = usba_hubdi_cb_ops.9f
2203 usba_hubdi_ioctl.9f                   := LINKSRC = usba_hubdi_cb_ops.9f
2204 usba_hubdi_open.9f                    := LINKSRC = usba_hubdi_cb_ops.9f

2206 usba_hubdi_root_hub_power.9f          := LINKSRC = usba_hubdi_dev_ops.9f

2208 usba_hubdi_unbind_root_hub.9f        := LINKSRC = usba_hubdi_bind_root_hub.9f


2211 va_copy.9f                            := LINKSRC = va_arg.9f
2212 va_end.9f                             := LINKSRC = va_arg.9f
2213 va_start.9f                           := LINKSRC = va_arg.9f

2215 vmem_xalloc.9f                        := LINKSRC = vmem_alloc.9f
2216 vmem_free.9f                          := LINKSRC = vmem_alloc.9f
2217 vmem_xfree.9f                         := LINKSRC = vmem_alloc.9f

2219 vmem_xcreate.9f                       := LINKSRC = vmem_create.9f
2220 vmem_destroy.9f                       := LINKSRC = vmem_create.9f

2222 vmem_size.9f                         := LINKSRC = vmem_walk.9f

2224 .KEEP_STATE:

2226 include         $(SRC)/man/Makefile.man

2228 install:        $(ROOTMANFILES) $(ROOTMANLINKS)
```

```
**********************************************************
    3645 Sat Jan 12 22:56:06 2019
new/usr/src/man/man9f/usba_hubdi_bind_root_hub.9f
10229 Some man pages have incorrect cross-references
**********************************************************
```

```
.\"
.\" This file and its contents are supplied under the terms of the
.\" Common Development and Distribution License ("CDDL"), version 1.0.
.\" You may only use this file in accordance with the terms of version
.\" 1.0 of the CDDL.
.\"
.\" A full copy of the text of the CDDL should have accompanied this
.\" source.  A copy of the CDDL is also available via the Internet at
.\" http://www.illumos.org/license/CDDL.
.\"
.\"
.\" Copyright 2016 Joyent, Inc.
.\"
.Dd Sep 16, 2016
.Dt USBA_HCDI_BIND_ROOT_HUB 9F
.Os
.Sh NAME
.Nm usba_hubdi_bind_root_hub ,
.Nm usba_hubdi_unbind_root_hub
.Nd bind and unbind the root USB hub
.Sh SYNOPSIS
.In sys/usb/usba/hubdi.h
.Ft int
.Fo usba_hubdi_bind_root_hub
.Fa "dev_info_t *dip"
.Fa "uchar_t *hub_descr"
.Fa "size_t descr_len"
.Fa "usb_dev_descr_t *dev_descr"
.Fc
.Ft int
.Fo usba_hubdi_unbind_root_hub
.Fa "dev_info_t *dip"
.Fc
.Sh INTERFACE LEVEL
.Sy Volatile -
illumos USB HCD private function
.Pp
This is a private function that is not part of the stable DDI.
It may be removed or changed at any time.
.Sh PARAMETERS
.Bl -tag -width Fa
.It Fa dip
Pointer to the device's
.Sy dev_info
structure.
.It Fa hub_descr
Pointer to a byte array that contains the standard descriptors for a USB
Hub device.
.It Fa descr_len
The length in bytes of the
.Fa hub_descr
byte array.
.It Fa dev_descr
A filled in standard USB device descriptor.
.El
.Sh DESCRIPTION
The
.Fn usba_hubdi_bind_root_hub
and
.Fn usba_hubdi_unbind_root_hub
functions are used to bind and unbind the root USB hub that is a part of
```



```
every HCD driver.
See
.Xr usba_hcdi 9E
for more information on this relationship.
.Pp
The
.Fn usba_hubdi_root_bind_driver
is used after calling the
.Xr usba_hcdi_register 9F
function during a device's
.Xr attach 9E
entry point.
.Pp
Because the root hub is generally a virtual hub, the HCD driver is
responsible for making it appear to the system as a normal USB hub.
.Pp
The contents of the
.Fa hub_descr
should be the standard USB Hub class-specific descriptor.
This hub descriptor should match a hub of a similar class of speed.
For example, with the xhci controller, a USB 3.x Hub class-specific descriptor
is used, where as for the ehci controller, a USB 2.x Hub class-specific
descriptor is used.
For more information, see the USB 3.1 specification, section 10.15.2
.Em Class-specific Descriptors .
.Pp
Similarly, the contents of the
.Fa dev_descr
need to be a filled in USB device descriptor that indicates that the
root hub corresponds to the appropriate USB generation.
For more information on the contents, see
.Xr usb_dev_descr 9S
and the USB 3.1 specification, section 10.15.1
.Em Standard Descriptors for Hub Class .
.Pp
The
.Fn usba_hubdi_unbind_root_hub
function is used to detach the root hub associated with the HCD driver.
This should be called during a device's
.Xr detach 9E
routine before calling
.Xr usba_hcdi_unregister 9F .
.Pp
If a call to the
.Fn usba_hubdi_unbind_root_hub
function fails during a device's
.Xr detach 9E
function, then it should fail the call to
.Xr detach 9E .
.Sh CONTEXT
The
.Fn usba_hubdi_bind_root_hub
function should only be called during a device's
.Xr attach 9E
entry point.
.Pp
The
.Fn usba_hubdi_unbind_root_hub
function should only be called during a device's
.Xr detach 9E entry point.
.Sh RETURN VALUES
Upon successful completion, the
.Fn usba_hubdi_bind_root_hub
and
.Fn usba_hubdi_unbind_root_hub
functions return
```

```
128 .Sy USB_SUCCESS .
129 Otherwise, they return
130 .Sy USB_FAILURE
131 to indicate that they could not proceed.
132 .Sh SEE ALSO
133 .Xr attach 9E ,
134 .Xr detach 9E ,
135 .Xr usba_hcdi 9E ,
136 .Xr usba_hcdi_register 9F ,
137 .Xr usba_hcdi_unregister 9F ,
138 .Xr usb_dev_descr 9S
138 .Xr usb_dev_Descr 9S
```

```
**********************************************************
    2538 Sat Jan 12 22:56:06 2019
new/usr/src/man/man9s/qinit.9s
10229 Some man pages have incorrect cross-references
**********************************************************
______unchanged_portion_omitted_
  62 .Ed
  63 .Sh SEE ALSO
  64 .Xr queue 9S ,
  65 .Xr streamtab 9S
  66 .Pp
  67 .%T Writing Device Drivers
  67 .Xr Writing Device Drivers
  68 .Pp
  69 .%T STREAMS Programming Guide
  69 .Xr STREAMS Programming Guide
  70 .Sh NOTES
  71 This release includes no support for module statistics.
```

```
**********************************************************
   76202 Sat Jan 12 22:56:06 2019
new/usr/src/pkg/manifests/system-kernel.man9f.inc
10229 Some man pages have incorrect cross-references
**********************************************************
```

```
   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 2017, Richard Lowe
  14 # Copyright 2014 Garrett D'Amore <garrett@damore.org>
  15 # Copyright 2016 Nexenta Systems, Inc.
  16 # Copyright 2016 Hans Rosenfeld <rosenfeld@grumpf.hope-2000.org>
  17 #

  19 file path=usr/share/man/man9f/ASSERT.9f
  20 file path=usr/share/man/man9f/Intro.9f
  21 file path=usr/share/man/man9f/OTHERQ.9f
  22 file path=usr/share/man/man9f/RD.9f
  23 file path=usr/share/man/man9f/SAMESTR.9f
  24 file path=usr/share/man/man9f/STRUCT_DECL.9f
  25 file path=usr/share/man/man9f/WR.9f
  26 file path=usr/share/man/man9f/adjmsg.9f
  27 file path=usr/share/man/man9f/allocb.9f
  28 file path=usr/share/man/man9f/atomic_add.9f
  29 file path=usr/share/man/man9f/atomic_and.9f
  30 file path=usr/share/man/man9f/atomic_bits.9f
  31 file path=usr/share/man/man9f/atomic_cas.9f
  32 file path=usr/share/man/man9f/atomic_dec.9f
  33 file path=usr/share/man/man9f/atomic_inc.9f
  34 file path=usr/share/man/man9f/atomic_ops.9f
  35 file path=usr/share/man/man9f/atomic_or.9f
  36 file path=usr/share/man/man9f/atomic_swap.9f
  37 file path=usr/share/man/man9f/avl.9f
  38 file path=usr/share/man/man9f/backq.9f
  39 file path=usr/share/man/man9f/bcanput.9f
  40 file path=usr/share/man/man9f/bcmp.9f
  41 file path=usr/share/man/man9f/bcopy.9f
  42 file path=usr/share/man/man9f/bioclone.9f
  43 file path=usr/share/man/man9f/biodone.9f
  44 file path=usr/share/man/man9f/bioerror.9f
  45 file path=usr/share/man/man9f/biofini.9f
  46 file path=usr/share/man/man9f/bioinit.9f
  47 file path=usr/share/man/man9f/biomodified.9f
  48 file path=usr/share/man/man9f/bioreset.9f
  49 file path=usr/share/man/man9f/biosize.9f
  50 file path=usr/share/man/man9f/biowait.9f
  51 file path=usr/share/man/man9f/bp_copyin.9f
  52 file path=usr/share/man/man9f/bp_copyout.9f
  53 file path=usr/share/man/man9f/bp_mapin.9f
  54 file path=usr/share/man/man9f/bp_mapout.9f
  55 file path=usr/share/man/man9f/btop.9f
  56 file path=usr/share/man/man9f/btopr.9f
  57 file path=usr/share/man/man9f/bufcall.9f
  58 file path=usr/share/man/man9f/bzero.9f
  59 file path=usr/share/man/man9f/canput.9f
  60 file path=usr/share/man/man9f/canputnext.9f
  61 file path=usr/share/man/man9f/clrbuf.9f
```



```
  62 file path=usr/share/man/man9f/cmn_err.9f
  63 file path=usr/share/man/man9f/condvar.9f
  64 file path=usr/share/man/man9f/copyb.9f
  65 file path=usr/share/man/man9f/copyin.9f
  66 file path=usr/share/man/man9f/copymsg.9f
  67 file path=usr/share/man/man9f/copyout.9f
  68 file path=usr/share/man/man9f/csx_AccessConfigurationRegister.9f
  69 file path=usr/share/man/man9f/csx_CS_DDI_Info.9f
  70 file path=usr/share/man/man9f/csx_ConvertSize.9f
  71 file path=usr/share/man/man9f/csx_ConvertSpeed.9f
  72 file path=usr/share/man/man9f/csx_DeregisterClient.9f
  73 file path=usr/share/man/man9f/csx_DupHandle.9f
  74 file path=usr/share/man/man9f/csx_Error2Text.9f
  75 file path=usr/share/man/man9f/csx_Event2Text.9f
  76 file path=usr/share/man/man9f/csx_FreeHandle.9f
  77 file path=usr/share/man/man9f/csx_Get8.9f
  78 file path=usr/share/man/man9f/csx_GetFirstClient.9f
  79 file path=usr/share/man/man9f/csx_GetFirstTuple.9f
  80 file path=usr/share/man/man9f/csx_GetHandleOffset.9f
  81 file path=usr/share/man/man9f/csx_GetMappedAddr.9f
  82 file path=usr/share/man/man9f/csx_GetStatus.9f
  83 file path=usr/share/man/man9f/csx_GetTupleData.9f
  84 file path=usr/share/man/man9f/csx_MakeDeviceNode.9f
  85 file path=usr/share/man/man9f/csx_MapLogSocket.9f
  86 file path=usr/share/man/man9f/csx_MapMemPage.9f
  87 file path=usr/share/man/man9f/csx_ModifyConfiguration.9f
  88 file path=usr/share/man/man9f/csx_ModifyWindow.9f
  89 file path=usr/share/man/man9f/csx_ParseTuple.9f
  90 file path=usr/share/man/man9f/csx_Parse_CISTPL_BATTERY.9f
  91 file path=usr/share/man/man9f/csx_Parse_CISTPL_BYTEORDER.9f
  92 file path=usr/share/man/man9f/csx_Parse_CISTPL_CFTABLE_ENTRY.9f
  93 file path=usr/share/man/man9f/csx_Parse_CISTPL_CONFIG.9f
  94 file path=usr/share/man/man9f/csx_Parse_CISTPL_DATE.9f
  95 file path=usr/share/man/man9f/csx_Parse_CISTPL_DEVICE.9f
  96 file path=usr/share/man/man9f/csx_Parse_CISTPL_DEVICEGEO.9f
  97 file path=usr/share/man/man9f/csx_Parse_CISTPL_DEVICEGEO_A.9f
  98 file path=usr/share/man/man9f/csx_Parse_CISTPL_FORMAT.9f
  99 file path=usr/share/man/man9f/csx_Parse_CISTPL_FUNCE.9f
 100 file path=usr/share/man/man9f/csx_Parse_CISTPL_FUNCID.9f
 101 file path=usr/share/man/man9f/csx_Parse_CISTPL_GEOMETRY.9f
 102 file path=usr/share/man/man9f/csx_Parse_CISTPL_JEDEC_C.9f
 103 file path=usr/share/man/man9f/csx_Parse_CISTPL_LINKTARGET.9f
 104 file path=usr/share/man/man9f/csx_Parse_CISTPL_LONGLINK_A.9f
 105 file path=usr/share/man/man9f/csx_Parse_CISTPL_LONGLINK_MFC.9f
 106 file path=usr/share/man/man9f/csx_Parse_CISTPL_MANFID.9f
 107 file path=usr/share/man/man9f/csx_Parse_CISTPL_ORG.9f
 108 file path=usr/share/man/man9f/csx_Parse_CISTPL_SPCL.9f
 109 file path=usr/share/man/man9f/csx_Parse_CISTPL_SWIL.9f
 110 file path=usr/share/man/man9f/csx_Parse_CISTPL_VERS_1.9f
 111 file path=usr/share/man/man9f/csx_Parse_CISTPL_VERS_2.9f
 112 file path=usr/share/man/man9f/csx_Put8.9f
 113 file path=usr/share/man/man9f/csx_RegisterClient.9f
 114 file path=usr/share/man/man9f/csx_ReleaseConfiguration.9f
 115 file path=usr/share/man/man9f/csx_RepGet8.9f
 116 file path=usr/share/man/man9f/csx_RepPut8.9f
 117 file path=usr/share/man/man9f/csx_RequestConfiguration.9f
 118 file path=usr/share/man/man9f/csx_RequestIO.9f
 119 file path=usr/share/man/man9f/csx_RequestIRQ.9f
 120 file path=usr/share/man/man9f/csx_RequestSocketMask.9f
 121 file path=usr/share/man/man9f/csx_RequestWindow.9f
 122 file path=usr/share/man/man9f/csx_ResetFunction.9f
 123 file path=usr/share/man/man9f/csx_SetEventMask.9f
 124 file path=usr/share/man/man9f/csx_SetHandleOffset.9f
 125 file path=usr/share/man/man9f/csx_ValidateCIS.9f
 126 file path=usr/share/man/man9f/datamsg.9f
 127 file path=usr/share/man/man9f/ddi_add_event_handler.9f
```

```
file path=usr/share/man/man9f/ddi_add_intr.9f
file path=usr/share/man/man9f/ddi_add_softintr.9f
file path=usr/share/man/man9f/ddi_binding_name.9f
file path=usr/share/man/man9f/ddi_btop.9f
file path=usr/share/man/man9f/ddi_can_receive_sig.9f
file path=usr/share/man/man9f/ddi_cb_register.9f
file path=usr/share/man/man9f/ddi_check_acc_handle.9f
file path=usr/share/man/man9f/ddi_copyin.9f
file path=usr/share/man/man9f/ddi_copyout.9f
file path=usr/share/man/man9f/ddi_create_minor_node.9f
file path=usr/share/man/man9f/ddi_cred.9f
file path=usr/share/man/man9f/ddi_dev_is_needed.9f
file path=usr/share/man/man9f/ddi_dev_is_sid.9f
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file path=usr/share/man/man9f/ddi_device_zero.9f
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file path=usr/share/man/man9f/ddi_dma_buf_bind_handle.9f
file path=usr/share/man/man9f/ddi_dma_burstsizes.9f
file path=usr/share/man/man9f/ddi_dma_free_handle.9f
file path=usr/share/man/man9f/ddi_dma_getwin.9f
file path=usr/share/man/man9f/ddi_dma_mem_alloc.9f
file path=usr/share/man/man9f/ddi_dma_mem_free.9f
file path=usr/share/man/man9f/ddi_dma_nextcookie.9f
file path=usr/share/man/man9f/ddi_dma_numwin.9f
file path=usr/share/man/man9f/ddi_dma_set_sbus64.9f
file path=usr/share/man/man9f/ddi_dma_sync.9f
file path=usr/share/man/man9f/ddi_dma_unbind_handle.9f
file path=usr/share/man/man9f/ddi_dmae.9f
file path=usr/share/man/man9f/ddi_driver_major.9f
file path=usr/share/man/man9f/ddi_driver_name.9f
file path=usr/share/man/man9f/ddi_enter_critical.9f
file path=usr/share/man/man9f/ddi_ffs.9f
file path=usr/share/man/man9f/ddi_fm_acc_err_clear.9f
file path=usr/share/man/man9f/ddi_fm_acc_err_get.9f
file path=usr/share/man/man9f/ddi_fm_ereport_post.9f
file path=usr/share/man/man9f/ddi_fm_handler_register.9f
file path=usr/share/man/man9f/ddi_fm_init.9f
file path=usr/share/man/man9f/ddi_fm_service_impact.9f
file path=usr/share/man/man9f/ddi_get8.9f
file path=usr/share/man/man9f/ddi_get_cred.9f
file path=usr/share/man/man9f/ddi_get_devstate.9f
file path=usr/share/man/man9f/ddi_get_driver_private.9f
file path=usr/share/man/man9f/ddi_get_eventcookie.9f
file path=usr/share/man/man9f/ddi_get_instance.9f
file path=usr/share/man/man9f/ddi_get_kt_did.9f
file path=usr/share/man/man9f/ddi_get_lbolt.9f
file path=usr/share/man/man9f/ddi_get_parent.9f
file path=usr/share/man/man9f/ddi_get_pid.9f
file path=usr/share/man/man9f/ddi_get_time.9f
file path=usr/share/man/man9f/ddi_getiminor.9f
file path=usr/share/man/man9f/ddi_in_panic.9f
file path=usr/share/man/man9f/ddi_intr_add_handler.9f
file path=usr/share/man/man9f/ddi_intr_add_softint.9f
file path=usr/share/man/man9f/ddi_intr_alloc.9f
file path=usr/share/man/man9f/ddi_intr_dup_handler.9f
file path=usr/share/man/man9f/ddi_intr_enable.9f
file path=usr/share/man/man9f/ddi_intr_get_cap.9f
file path=usr/share/man/man9f/ddi_intr_get_hilevel_pri.9f
file path=usr/share/man/man9f/ddi_intr_get_nintrs.9f
file path=usr/share/man/man9f/ddi_intr_get_pending.9f
```



```
file path=usr/share/man/man9f/ddi_intr_get_pri.9f
file path=usr/share/man/man9f/ddi_intr_get_supported_types.9f
file path=usr/share/man/man9f/ddi_intr_hilevel.9f
file path=usr/share/man/man9f/ddi_intr_set_mask.9f
file path=usr/share/man/man9f/ddi_intr_set_nreq.9f
file path=usr/share/man/man9f/ddi_io_get8.9f
file path=usr/share/man/man9f/ddi_io_put8.9f
file path=usr/share/man/man9f/ddi_io_rep_get8.9f
file path=usr/share/man/man9f/ddi_io_rep_put8.9f
file path=usr/share/man/man9f/ddi_log_sysevent.9f
file path=usr/share/man/man9f/ddi_map_regs.9f
file path=usr/share/man/man9f/ddi_mem_get8.9f
file path=usr/share/man/man9f/ddi_mem_put8.9f
file path=usr/share/man/man9f/ddi_mem_rep_get8.9f
file path=usr/share/man/man9f/ddi_mem_rep_put8.9f
file path=usr/share/man/man9f/ddi_mmap_get_model.9f
file path=usr/share/man/man9f/ddi_model_convert_from.9f
file path=usr/share/man/man9f/ddi_modopen.9f
file path=usr/share/man/man9f/ddi_no_info.9f
file path=usr/share/man/man9f/ddi_node_name.9f
file path=usr/share/man/man9f/ddi_peek.9f
file path=usr/share/man/man9f/ddi_periodic_add.9f
file path=usr/share/man/man9f/ddi_periodic_delete.9f
file path=usr/share/man/man9f/ddi_poke.9f
file path=usr/share/man/man9f/ddi_prop_create.9f
file path=usr/share/man/man9f/ddi_prop_exists.9f
file path=usr/share/man/man9f/ddi_prop_get_int.9f
file path=usr/share/man/man9f/ddi_prop_lookup.9f
file path=usr/share/man/man9f/ddi_prop_op.9f
file path=usr/share/man/man9f/ddi_prop_update.9f
file path=usr/share/man/man9f/ddi_put8.9f
file path=usr/share/man/man9f/ddi_regs_map_free.9f
file path=usr/share/man/man9f/ddi_regs_map_setup.9f
file path=usr/share/man/man9f/ddi_remove_event_handler.9f
file path=usr/share/man/man9f/ddi_remove_minor_node.9f
file path=usr/share/man/man9f/ddi_removing_power.9f
file path=usr/share/man/man9f/ddi_rep_get8.9f
file path=usr/share/man/man9f/ddi_rep_put8.9f
file path=usr/share/man/man9f/ddi_report_dev.9f
file path=usr/share/man/man9f/ddi_root_node.9f
file path=usr/share/man/man9f/ddi_segmap.9f
file path=usr/share/man/man9f/ddi_slaveonly.9f
file path=usr/share/man/man9f/ddi_soft_state.9f
file path=usr/share/man/man9f/ddi_strtol.9f
file path=usr/share/man/man9f/ddi_strtoll.9f
file path=usr/share/man/man9f/ddi_strtoul.9f
file path=usr/share/man/man9f/ddi_umem_alloc.9f
file path=usr/share/man/man9f/ddi_umem_iosetup.9f
file path=usr/share/man/man9f/ddi_umem_lock.9f
file path=usr/share/man/man9f/delay.9f
file path=usr/share/man/man9f/devfs_clean.9f
file path=usr/share/man/man9f/devmap_default_access.9f
file path=usr/share/man/man9f/devmap_devmem_setup.9f
file path=usr/share/man/man9f/devmap_do_ctxmgt.9f
file path=usr/share/man/man9f/devmap_set_ctx_timeout.9f
file path=usr/share/man/man9f/devmap_setup.9f
file path=usr/share/man/man9f/devmap_unload.9f
file path=usr/share/man/man9f/disksort.9f
file path=usr/share/man/man9f/dlbindack.9f
file path=usr/share/man/man9f/drv_getparm.9f
file path=usr/share/man/man9f/drv_hztousec.9f
file path=usr/share/man/man9f/drv_priv.9f
file path=usr/share/man/man9f/drv_usectohz.9f
file path=usr/share/man/man9f/drv_usecwait.9f
file path=usr/share/man/man9f/dupb.9f
file path=usr/share/man/man9f/dupmsg.9f
```

```
260 file path=usr/share/man/man9f/enableok.9f
261 file path=usr/share/man/man9f/esballoc.9f
262 file path=usr/share/man/man9f/esbbcall.9f
263 file path=usr/share/man/man9f/firmload.9f
264 file path=usr/share/man/man9f/flushband.9f
265 file path=usr/share/man/man9f/flushq.9f
266 file path=usr/share/man/man9f/freeb.9f
267 file path=usr/share/man/man9f/freemsg.9f
268 file path=usr/share/man/man9f/freerbuf.9f
269 file path=usr/share/man/man9f/freezestr.9f
270 file path=usr/share/man/man9f/get_pktiopb.9f
271 file path=usr/share/man/man9f/geterror.9f
272 file path=usr/share/man/man9f/gethrtime.9f
273 file path=usr/share/man/man9f/getmajor.9f
274 file path=usr/share/man/man9f/getminor.9f
275 file path=usr/share/man/man9f/getq.9f
276 file path=usr/share/man/man9f/getrbuf.9f
277 file path=usr/share/man/man9f/gld.9f
278 file path=usr/share/man/man9f/hook_alloc.9f
279 file path=usr/share/man/man9f/hook_free.9f
280 file path=usr/share/man/man9f/id32_alloc.9f
281 file path=usr/share/man/man9f/id_space.9f
282 file path=usr/share/man/man9f/inb.9f
283 file path=usr/share/man/man9f/insq.9f
284 file path=usr/share/man/man9f/kiconv.9f
285 file path=usr/share/man/man9f/kiconv_close.9f
286 file path=usr/share/man/man9f/kiconv_open.9f
287 file path=usr/share/man/man9f/kiconvstr.9f
288 file path=usr/share/man/man9f/kmem_alloc.9f
289 file path=usr/share/man/man9f/kmem_cache_create.9f
290 file path=usr/share/man/man9f/kstat_create.9f
291 file path=usr/share/man/man9f/kstat_delete.9f
292 file path=usr/share/man/man9f/kstat_install.9f
293 file path=usr/share/man/man9f/kstat_named_init.9f
294 file path=usr/share/man/man9f/kstat_queue.9f
295 file path=usr/share/man/man9f/ldi_add_event_handler.9f
296 file path=usr/share/man/man9f/ldi_aread.9f
297 file path=usr/share/man/man9f/ldi_devmap.9f
298 file path=usr/share/man/man9f/ldi_dump.9f
299 file path=usr/share/man/man9f/ldi_ev_finalize.9f
300 file path=usr/share/man/man9f/ldi_ev_get_cookie.9f
301 file path=usr/share/man/man9f/ldi_ev_get_type.9f
302 file path=usr/share/man/man9f/ldi_ev_notify.9f
303 file path=usr/share/man/man9f/ldi_ev_register_callbacks.9f
304 file path=usr/share/man/man9f/ldi_ev_remove_callbacks.9f
305 file path=usr/share/man/man9f/ldi_get_dev.9f
306 file path=usr/share/man/man9f/ldi_get_eventcookie.9f
307 file path=usr/share/man/man9f/ldi_get_size.9f
308 file path=usr/share/man/man9f/ldi_ident_from_dev.9f
309 file path=usr/share/man/man9f/ldi_ioctl.9f
310 file path=usr/share/man/man9f/ldi_open_by_dev.9f
311 file path=usr/share/man/man9f/ldi_poll.9f
312 file path=usr/share/man/man9f/ldi_prop_exists.9f
313 file path=usr/share/man/man9f/ldi_prop_get_int.9f
314 file path=usr/share/man/man9f/ldi_prop_lookup_int_array.9f
315 file path=usr/share/man/man9f/ldi_putmsg.9f
316 file path=usr/share/man/man9f/ldi_read.9f
317 file path=usr/share/man/man9f/ldi_remove_event_handler.9f
318 file path=usr/share/man/man9f/ldi_strategy.9f
319 file path=usr/share/man/man9f/linkb.9f
320 file path=usr/share/man/man9f/list_create.9f
321 file path=usr/share/man/man9f/mac_alloc.9f
322 file path=usr/share/man/man9f/mac_hcksum_get.9f
323 file path=usr/share/man/man9f/mac_init_ops.9f
324 file path=usr/share/man/man9f/mac_link_update.9f
325 file path=usr/share/man/man9f/mac_lso_get.9f
```



```
326 file path=usr/share/man/man9f/mac_maxsdu_update.9f
327 file path=usr/share/man/man9f/mac_prop_info.9f
328 file path=usr/share/man/man9f/mac_register.9f
329 file path=usr/share/man/man9f/mac_rx.9f
330 file path=usr/share/man/man9f/mac_transceiver_info.9f
331 file path=usr/share/man/man9f/mac_tx_update.9f
332 file path=usr/share/man/man9f/makecom.9f
333 file path=usr/share/man/man9f/makedevice.9f
334 file path=usr/share/man/man9f/max.9f
335 file path=usr/share/man/man9f/mcopyin.9f
336 file path=usr/share/man/man9f/mcopymsg.9f
337 file path=usr/share/man/man9f/mcopyout.9f
338 file path=usr/share/man/man9f/membar_ops.9f
339 file path=usr/share/man/man9f/memchr.9f
340 file path=usr/share/man/man9f/merror.9f
341 file path=usr/share/man/man9f/mexchange.9f
342 file path=usr/share/man/man9f/min.9f
343 file path=usr/share/man/man9f/mioc2ack.9f
344 file path=usr/share/man/man9f/miocack.9f
345 file path=usr/share/man/man9f/miocnak.9f
346 file path=usr/share/man/man9f/miocpullup.9f
347 file path=usr/share/man/man9f/mkiocb.9f
348 file path=usr/share/man/man9f/mod_install.9f
349 file path=usr/share/man/man9f/msgdsize.9f
350 file path=usr/share/man/man9f/msgpullup.9f
351 file path=usr/share/man/man9f/msgsize.9f
352 file path=usr/share/man/man9f/mt-streams.9f
353 file path=usr/share/man/man9f/mutex.9f
354 file path=usr/share/man/man9f/net_event_notify_register.9f
355 file path=usr/share/man/man9f/net_getifname.9f
356 file path=usr/share/man/man9f/net_getlifaddr.9f
357 file path=usr/share/man/man9f/net_getmtu.9f
358 file path=usr/share/man/man9f/net_getnetid.9f
359 file path=usr/share/man/man9f/net_getpmtuenabled.9f
360 file path=usr/share/man/man9f/net_hook_register.9f
361 file path=usr/share/man/man9f/net_hook_unregister.9f
362 file path=usr/share/man/man9f/net_inject.9f
363 file path=usr/share/man/man9f/net_inject_alloc.9f
364 file path=usr/share/man/man9f/net_inject_free.9f
365 file path=usr/share/man/man9f/net_instance_alloc.9f
366 file path=usr/share/man/man9f/net_instance_free.9f
367 file path=usr/share/man/man9f/net_instance_notify_register.9f
368 file path=usr/share/man/man9f/net_instance_register.9f
369 file path=usr/share/man/man9f/net_instance_unregister.9f
370 file path=usr/share/man/man9f/net_ispartialchecksum.9f
371 file path=usr/share/man/man9f/net_isvalidchecksum.9f
372 file path=usr/share/man/man9f/net_kstat_create.9f
373 file path=usr/share/man/man9f/net_kstat_delete.9f
374 file path=usr/share/man/man9f/net_lifgetnext.9f
375 file path=usr/share/man/man9f/net_netidtozonid.9f
376 file path=usr/share/man/man9f/net_phygetnext.9f
377 file path=usr/share/man/man9f/net_phylookup.9f
378 file path=usr/share/man/man9f/net_protocol_lookup.9f
379 file path=usr/share/man/man9f/net_protocol_notify_register.9f
380 file path=usr/share/man/man9f/net_protocol_release.9f
381 file path=usr/share/man/man9f/net_protocol_walk.9f
382 file path=usr/share/man/man9f/net_routeto.9f
383 file path=usr/share/man/man9f/net_zoneidtonetid.9f
384 file path=usr/share/man/man9f/netinfo.9f
385 file path=usr/share/man/man9f/nochpoll.9f
386 file path=usr/share/man/man9f/nodev.9f
387 file path=usr/share/man/man9f/noenable.9f
388 file path=usr/share/man/man9f/nulldev.9f
389 file path=usr/share/man/man9f/nvlist_add_boolean.9f
390 file path=usr/share/man/man9f/nvlist_alloc.9f
391 file path=usr/share/man/man9f/nvlist_lookup_boolean.9f
```

```
392 file path=usr/share/man/man9f/nvlist_lookup_nvpair.9f
393 file path=usr/share/man/man9f/nvlist_next_nvpair.9f
394 file path=usr/share/man/man9f/nvlist_remove.9f
395 file path=usr/share/man/man9f/nvpair_value_byte.9f
396 file path=usr/share/man/man9f/outb.9f
397 file path=usr/share/man/man9f/pci_config_get8.9f
398 file path=usr/share/man/man9f/pci_config_setup.9f
399 file path=usr/share/man/man9f/pci_ereport_setup.9f
400 file path=usr/share/man/man9f/pci_report_pmcap.9f
401 file path=usr/share/man/man9f/pci_save_config_regs.9f
402 file path=usr/share/man/man9f/physio.9f
403 file path=usr/share/man/man9f/pm_busy_component.9f
404 file path=usr/share/man/man9f/pm_power_has_changed.9f
405 file path=usr/share/man/man9f/pm_raise_power.9f
406 file path=usr/share/man/man9f/pm_trans_check.9f
407 file path=usr/share/man/man9f/pollhead_clean.9f
408 file path=usr/share/man/man9f/pollwakeup.9f
409 file path=usr/share/man/man9f/priv_getbyname.9f
410 file path=usr/share/man/man9f/priv_policy.9f
411 file path=usr/share/man/man9f/proc_signal.9f
412 file path=usr/share/man/man9f/ptob.9f
413 file path=usr/share/man/man9f/pullupmsg.9f
414 file path=usr/share/man/man9f/put.9f
415 file path=usr/share/man/man9f/putbq.9f
416 file path=usr/share/man/man9f/putctl.9f
417 file path=usr/share/man/man9f/putctl1.9f
418 file path=usr/share/man/man9f/putnext.9f
419 file path=usr/share/man/man9f/putnextctl.9f
420 file path=usr/share/man/man9f/putnextctl1.9f
421 file path=usr/share/man/man9f/putq.9f
422 file path=usr/share/man/man9f/qassociate.9f
423 file path=usr/share/man/man9f/qbufcall.9f
424 file path=usr/share/man/man9f/qenable.9f
425 file path=usr/share/man/man9f/qprocson.9f
426 file path=usr/share/man/man9f/qreply.9f
427 file path=usr/share/man/man9f/qsize.9f
428 file path=usr/share/man/man9f/qtimeout.9f
429 file path=usr/share/man/man9f/qunbufcall.9f
430 file path=usr/share/man/man9f/quntimeout.9f
431 file path=usr/share/man/man9f/qwait.9f
432 file path=usr/share/man/man9f/qwriter.9f
433 file path=usr/share/man/man9f/rmalloc.9f
434 file path=usr/share/man/man9f/rmalloc_wait.9f
435 file path=usr/share/man/man9f/rmallocmap.9f
436 file path=usr/share/man/man9f/rmfree.9f
437 file path=usr/share/man/man9f/rmvb.9f
438 file path=usr/share/man/man9f/rmvq.9f
439 file path=usr/share/man/man9f/rwlock.9f
440 file path=usr/share/man/man9f/sas_phymap_create.9f
441 file path=usr/share/man/man9f/sas_phymap_lookup_ua.9f
442 file path=usr/share/man/man9f/scsi_abort.9f
443 file path=usr/share/man/man9f/scsi_address_device.9f
444 file path=usr/share/man/man9f/scsi_alloc_consistent_buf.9f
445 file path=usr/share/man/man9f/scsi_cname.9f
446 file path=usr/share/man/man9f/scsi_destroy_pkt.9f
447 file path=usr/share/man/man9f/scsi_dmaget.9f
448 file path=usr/share/man/man9f/scsi_errmsg.9f
449 file path=usr/share/man/man9f/scsi_ext_sense_fields.9f
450 file path=usr/share/man/man9f/scsi_find_sense_descr.9f
451 file path=usr/share/man/man9f/scsi_free_consistent_buf.9f
452 file path=usr/share/man/man9f/scsi_get_device_type_scsi_options.9f
453 file path=usr/share/man/man9f/scsi_get_device_type_string.9f
454 file path=usr/share/man/man9f/scsi_hba_attach_setup.9f
455 file path=usr/share/man/man9f/scsi_hba_init.9f
456 file path=usr/share/man/man9f/scsi_hba_iport_exist.9f
457 file path=usr/share/man/man9f/scsi_hba_iport_register.9f
```



```
458 file path=usr/share/man/man9f/scsi_hba_iport_unit_address.9f
459 file path=usr/share/man/man9f/scsi_hba_iportmap_create.9f
460 file path=usr/share/man/man9f/scsi_hba_lookup_capstr.9f
461 file path=usr/share/man/man9f/scsi_hba_pkt_alloc.9f
462 file path=usr/share/man/man9f/scsi_hba_pkt_comp.9f
463 file path=usr/share/man/man9f/scsi_hba_probe.9f
464 file path=usr/share/man/man9f/scsi_hba_tgtmap_create.9f
465 file path=usr/share/man/man9f/scsi_hba_tran_alloc.9f
466 file path=usr/share/man/man9f/scsi_ifgetcap.9f
467 file path=usr/share/man/man9f/scsi_init_pkt.9f
468 file path=usr/share/man/man9f/scsi_log.9f
469 file path=usr/share/man/man9f/scsi_pktalloc.9f
470 file path=usr/share/man/man9f/scsi_poll.9f
471 file path=usr/share/man/man9f/scsi_probe.9f
472 file path=usr/share/man/man9f/scsi_reset.9f
473 file path=usr/share/man/man9f/scsi_reset_notify.9f
474 file path=usr/share/man/man9f/scsi_sense_key.9f
475 file path=usr/share/man/man9f/scsi_setup_cdb.9f
476 file path=usr/share/man/man9f/scsi_slave.9f
477 file path=usr/share/man/man9f/scsi_sync_pkt.9f
478 file path=usr/share/man/man9f/scsi_transport.9f
479 file path=usr/share/man/man9f/scsi_unprobe.9f
480 file path=usr/share/man/man9f/scsi_validate_sense.9f
481 file path=usr/share/man/man9f/scsi_vu_errmsg.9f
482 file path=usr/share/man/man9f/scsi_wwnstr_to_wwn.9f
483 file path=usr/share/man/man9f/semaphore.9f
484 file path=usr/share/man/man9f/sprintf.9f
485 file path=usr/share/man/man9f/stoi.9f
486 file path=usr/share/man/man9f/string.9f
487 file path=usr/share/man/man9f/strlog.9f
488 file path=usr/share/man/man9f/strqget.9f
489 file path=usr/share/man/man9f/strqset.9f
490 file path=usr/share/man/man9f/swab.9f
491 file path=usr/share/man/man9f/taskq.9f
492 file path=usr/share/man/man9f/testb.9f
493 file path=usr/share/man/man9f/timeout.9f
494 file path=usr/share/man/man9f/u8_strcmp.9f
495 file path=usr/share/man/man9f/u8_textprep_str.9f
496 file path=usr/share/man/man9f/u8_validate.9f
497 file path=usr/share/man/man9f/uconv_u16tou32.9f
498 file path=usr/share/man/man9f/uiomove.9f
499 file path=usr/share/man/man9f/unbufcall.9f
500 file path=usr/share/man/man9f/unlinkb.9f
501 file path=usr/share/man/man9f/untimeout.9f
502 file path=usr/share/man/man9f/ureadc.9f
503 file path=usr/share/man/man9f/uwritec.9f
504 file path=usr/share/man/man9f/va_arg.9f
505 file path=usr/share/man/man9f/vmem_add.9f
506 file path=usr/share/man/man9f/vmem_alloc.9f
507 file path=usr/share/man/man9f/vmem_contains.9f
508 file path=usr/share/man/man9f/vmem_create.9f
509 file path=usr/share/man/man9f/vmem_walk.9f
510 link path=usr/share/man/man9f/AVL_NEXT.9f target=avl.9f
511 link path=usr/share/man/man9f/AVL_PREV.9f target=avl.9f
512 link path=usr/share/man/man9f/SIZEOF_PTR.9f target=STRUCT_DECL.9f
513 link path=usr/share/man/man9f/SIZEOF_STRUCT.9f target=STRUCT_DECL.9f
514 link path=usr/share/man/man9f/STRUCT_BUF.9f target=STRUCT_DECL.9f
515 link path=usr/share/man/man9f/STRUCT_FADDR.9f target=STRUCT_DECL.9f
516 link path=usr/share/man/man9f/STRUCT_FGET.9f target=STRUCT_DECL.9f
517 link path=usr/share/man/man9f/STRUCT_FGETP.9f target=STRUCT_DECL.9f
518 link path=usr/share/man/man9f/STRUCT_FSET.9f target=STRUCT_DECL.9f
519 link path=usr/share/man/man9f/STRUCT_FSETP.9f target=STRUCT_DECL.9f
520 link path=usr/share/man/man9f/STRUCT_HANDLE.9f target=STRUCT_DECL.9f
521 link path=usr/share/man/man9f/STRUCT_INIT.9f target=STRUCT_DECL.9f
522 link path=usr/share/man/man9f/STRUCT_SET_HANDLE.9f target=STRUCT_DECL.9f
523 link path=usr/share/man/man9f/STRUCT_SIZE.9f target=STRUCT_DECL.9f
```

```
link path=usr/share/man/man9f/assert.9f target=ASSERT.9f
link path=usr/share/man/man9f/atomic_add_16.9f target=atomic_add.9f
link path=usr/share/man/man9f/atomic_add_16_nv.9f target=atomic_add.9f
link path=usr/share/man/man9f/atomic_add_32.9f target=atomic_add.9f
link path=usr/share/man/man9f/atomic_add_32_nv.9f target=atomic_add.9f
link path=usr/share/man/man9f/atomic_add_64.9f target=atomic_add.9f
link path=usr/share/man/man9f/atomic_add_64_nv.9f target=atomic_add.9f
link path=usr/share/man/man9f/atomic_add_8.9f target=atomic_add.9f
link path=usr/share/man/man9f/atomic_add_8_nv.9f target=atomic_add.9f
link path=usr/share/man/man9f/atomic_add_char.9f target=atomic_add.9f
link path=usr/share/man/man9f/atomic_add_char_nv.9f target=atomic_add.9f
link path=usr/share/man/man9f/atomic_add_int.9f target=atomic_add.9f
link path=usr/share/man/man9f/atomic_add_int_nv.9f target=atomic_add.9f
link path=usr/share/man/man9f/atomic_add_long.9f target=atomic_add.9f
link path=usr/share/man/man9f/atomic_add_long_nv.9f target=atomic_add.9f
link path=usr/share/man/man9f/atomic_add_ptr.9f target=atomic_add.9f
link path=usr/share/man/man9f/atomic_add_ptr_nv.9f target=atomic_add.9f
link path=usr/share/man/man9f/atomic_add_short.9f target=atomic_add.9f
link path=usr/share/man/man9f/atomic_add_short_nv.9f target=atomic_add.9f
link path=usr/share/man/man9f/atomic_and_16.9f target=atomic_and.9f
link path=usr/share/man/man9f/atomic_and_16_nv.9f target=atomic_and.9f
link path=usr/share/man/man9f/atomic_and_32.9f target=atomic_and.9f
link path=usr/share/man/man9f/atomic_and_32_nv.9f target=atomic_and.9f
link path=usr/share/man/man9f/atomic_and_64.9f target=atomic_and.9f
link path=usr/share/man/man9f/atomic_and_64_nv.9f target=atomic_and.9f
link path=usr/share/man/man9f/atomic_and_8.9f target=atomic_and.9f
link path=usr/share/man/man9f/atomic_and_8_nv.9f target=atomic_and.9f
link path=usr/share/man/man9f/atomic_and_uchar.9f target=atomic_and.9f
link path=usr/share/man/man9f/atomic_and_uchar_nv.9f target=atomic_and.9f
link path=usr/share/man/man9f/atomic_and_uint.9f target=atomic_and.9f
link path=usr/share/man/man9f/atomic_and_uint_nv.9f target=atomic_and.9f
link path=usr/share/man/man9f/atomic_and_ulong.9f target=atomic_and.9f
link path=usr/share/man/man9f/atomic_and_ulong_nv.9f target=atomic_and.9f
link path=usr/share/man/man9f/atomic_and_ushort.9f target=atomic_and.9f
link path=usr/share/man/man9f/atomic_and_ushort_nv.9f target=atomic_and.9f
link path=usr/share/man/man9f/atomic_cas_16.9f target=atomic_cas.9f
link path=usr/share/man/man9f/atomic_cas_32.9f target=atomic_cas.9f
link path=usr/share/man/man9f/atomic_cas_64.9f target=atomic_cas.9f
link path=usr/share/man/man9f/atomic_cas_8.9f target=atomic_cas.9f
link path=usr/share/man/man9f/atomic_cas_ptr.9f target=atomic_cas.9f
link path=usr/share/man/man9f/atomic_cas_uchar.9f target=atomic_cas.9f
link path=usr/share/man/man9f/atomic_cas_uint.9f target=atomic_cas.9f
link path=usr/share/man/man9f/atomic_cas_ulong.9f target=atomic_cas.9f
link path=usr/share/man/man9f/atomic_cas_ushort.9f target=atomic_cas.9f
link path=usr/share/man/man9f/atomic_clear_long_excl.9f target=atomic_bits.9f
link path=usr/share/man/man9f/atomic_dec_16.9f target=atomic_dec.9f
link path=usr/share/man/man9f/atomic_dec_16_nv.9f target=atomic_dec.9f
link path=usr/share/man/man9f/atomic_dec_32.9f target=atomic_dec.9f
link path=usr/share/man/man9f/atomic_dec_32_nv.9f target=atomic_dec.9f
link path=usr/share/man/man9f/atomic_dec_64.9f target=atomic_dec.9f
link path=usr/share/man/man9f/atomic_dec_64_nv.9f target=atomic_dec.9f
link path=usr/share/man/man9f/atomic_dec_8.9f target=atomic_dec.9f
link path=usr/share/man/man9f/atomic_dec_8_nv.9f target=atomic_dec.9f
link path=usr/share/man/man9f/atomic_dec_ptr.9f target=atomic_dec.9f
link path=usr/share/man/man9f/atomic_dec_ptr_nv.9f target=atomic_dec.9f
link path=usr/share/man/man9f/atomic_dec_uchar.9f target=atomic_dec.9f
link path=usr/share/man/man9f/atomic_dec_uchar_nv.9f target=atomic_dec.9f
link path=usr/share/man/man9f/atomic_dec_uint.9f target=atomic_dec.9f
link path=usr/share/man/man9f/atomic_dec_uint_nv.9f target=atomic_dec.9f
link path=usr/share/man/man9f/atomic_dec_ulong.9f target=atomic_dec.9f
link path=usr/share/man/man9f/atomic_dec_ulong_nv.9f target=atomic_dec.9f
link path=usr/share/man/man9f/atomic_dec_ushort.9f target=atomic_dec.9f
link path=usr/share/man/man9f/atomic_dec_ushort_nv.9f target=atomic_dec.9f
link path=usr/share/man/man9f/atomic_inc_16.9f target=atomic_inc.9f
link path=usr/share/man/man9f/atomic_inc_16_nv.9f target=atomic_inc.9f
link path=usr/share/man/man9f/atomic_inc_32.9f target=atomic_inc.9f
```



```
link path=usr/share/man/man9f/atomic_inc_32_nv.9f target=atomic_inc.9f
link path=usr/share/man/man9f/atomic_inc_64.9f target=atomic_inc.9f
link path=usr/share/man/man9f/atomic_inc_64_nv.9f target=atomic_inc.9f
link path=usr/share/man/man9f/atomic_inc_8.9f target=atomic_inc.9f
link path=usr/share/man/man9f/atomic_inc_8_nv.9f target=atomic_inc.9f
link path=usr/share/man/man9f/atomic_inc_ptr.9f target=atomic_inc.9f
link path=usr/share/man/man9f/atomic_inc_ptr_nv.9f target=atomic_inc.9f
link path=usr/share/man/man9f/atomic_inc_uchar.9f target=atomic_inc.9f
link path=usr/share/man/man9f/atomic_inc_uchar_nv.9f target=atomic_inc.9f
link path=usr/share/man/man9f/atomic_inc_uint.9f target=atomic_inc.9f
link path=usr/share/man/man9f/atomic_inc_uint_nv.9f target=atomic_inc.9f
link path=usr/share/man/man9f/atomic_inc_ulong.9f target=atomic_inc.9f
link path=usr/share/man/man9f/atomic_inc_ulong_nv.9f target=atomic_inc.9f
link path=usr/share/man/man9f/atomic_inc_ushort.9f target=atomic_inc.9f
link path=usr/share/man/man9f/atomic_inc_ushort_nv.9f target=atomic_inc.9f
link path=usr/share/man/man9f/atomic_or_16.9f target=atomic_or.9f
link path=usr/share/man/man9f/atomic_or_16_nv.9f target=atomic_or.9f
link path=usr/share/man/man9f/atomic_or_32.9f target=atomic_or.9f
link path=usr/share/man/man9f/atomic_or_32_nv.9f target=atomic_or.9f
link path=usr/share/man/man9f/atomic_or_64.9f target=atomic_or.9f
link path=usr/share/man/man9f/atomic_or_64_nv.9f target=atomic_or.9f
link path=usr/share/man/man9f/atomic_or_8.9f target=atomic_or.9f
link path=usr/share/man/man9f/atomic_or_8_nv.9f target=atomic_or.9f
link path=usr/share/man/man9f/atomic_or_uchar.9f target=atomic_or.9f
link path=usr/share/man/man9f/atomic_or_uchar_nv.9f target=atomic_or.9f
link path=usr/share/man/man9f/atomic_or_uint.9f target=atomic_or.9f
link path=usr/share/man/man9f/atomic_or_uint_nv.9f target=atomic_or.9f
link path=usr/share/man/man9f/atomic_or_ulong.9f target=atomic_or.9f
link path=usr/share/man/man9f/atomic_or_ulong_nv.9f target=atomic_or.9f
link path=usr/share/man/man9f/atomic_or_ushort.9f target=atomic_or.9f
link path=usr/share/man/man9f/atomic_or_ushort_nv.9f target=atomic_or.9f
link path=usr/share/man/man9f/atomic_set_long_excl.9f target=atomic_bits.9f
link path=usr/share/man/man9f/atomic_swap_16.9f target=atomic_swap.9f
link path=usr/share/man/man9f/atomic_swap_32.9f target=atomic_swap.9f
link path=usr/share/man/man9f/atomic_swap_64.9f target=atomic_swap.9f
link path=usr/share/man/man9f/atomic_swap_8.9f target=atomic_swap.9f
link path=usr/share/man/man9f/atomic_swap_ptr.9f target=atomic_swap.9f
link path=usr/share/man/man9f/atomic_swap_uchar.9f target=atomic_swap.9f
link path=usr/share/man/man9f/atomic_swap_uint.9f target=atomic_swap.9f
link path=usr/share/man/man9f/atomic_swap_ulong.9f target=atomic_swap.9f
link path=usr/share/man/man9f/atomic_swap_ushort.9f target=atomic_swap.9f
link path=usr/share/man/man9f/avl_add.9f target=avl.9f
link path=usr/share/man/man9f/avl_create.9f target=avl.9f
link path=usr/share/man/man9f/avl_destroy.9f target=avl.9f
link path=usr/share/man/man9f/avl_destroy_nodes.9f target=avl.9f
link path=usr/share/man/man9f/avl_find.9f target=avl.9f
link path=usr/share/man/man9f/avl_first.9f target=avl.9f
link path=usr/share/man/man9f/avl_insert.9f target=avl.9f
link path=usr/share/man/man9f/avl_insert_here.9f target=avl.9f
link path=usr/share/man/man9f/avl_is_empty.9f target=avl.9f
link path=usr/share/man/man9f/avl_last.9f target=avl.9f
link path=usr/share/man/man9f/avl_nearest.9f target=avl.9f
link path=usr/share/man/man9f/avl_numnodes.9f target=avl.9f
link path=usr/share/man/man9f/avl_remove.9f target=avl.9f
link path=usr/share/man/man9f/avl_swap.9f target=avl.9f
link path=usr/share/man/man9f/bcanputnext.9f target=canputnext.9f
link path=usr/share/man/man9f/crgetgid.9f target=ddi_cred.9f
link path=usr/share/man/man9f/crgetgroups.9f target=ddi_cred.9f
link path=usr/share/man/man9f/crgetngroups.9f target=ddi_cred.9f
link path=usr/share/man/man9f/crgetrgid.9f target=ddi_cred.9f
link path=usr/share/man/man9f/crgetruid.9f target=ddi_cred.9f
link path=usr/share/man/man9f/crgetsgid.9f target=ddi_cred.9f
link path=usr/share/man/man9f/crgetsuid.9f target=ddi_cred.9f
link path=usr/share/man/man9f/crgetuid.9f target=ddi_cred.9f
link path=usr/share/man/man9f/crgetzoneid.9f target=ddi_cred.9f
link path=usr/share/man/man9f/csx_Get16.9f target=csx_Get8.9f
```

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656 link path=usr/share/man/man9f/csx_Get32.9f target=csx_Get8.9f
657 link path=usr/share/man/man9f/csx_Get64.9f target=csx_Get8.9f
658 link path=usr/share/man/man9f/csx_GetEventMask.9f target=csx_SetEventMask.9f
659 link path=usr/share/man/man9f/csx_GetNextClient.9f \
660     target=csx_GetFirstClient.9f
661 link path=usr/share/man/man9f/csx_GetNextTuple.9f target=csx_GetFirstTuple.9f
662 link path=usr/share/man/man9f/csx_Parse_CISTPL_DEVICE_A.9f \
663     target=csx_Parse_CISTPL_DEVICE.9f
664 link path=usr/share/man/man9f/csx_Parse_CISTPL_DEVICE_OA.9f \
665     target=csx_Parse_CISTPL_DEVICE.9f
666 link path=usr/share/man/man9f/csx_Parse_CISTPL_DEVICE_OC.9f \
667     target=csx_Parse_CISTPL_DEVICE.9f
668 link path=usr/share/man/man9f/csx_Parse_CISTPL_JEDEC_A.9f \
669     target=csx_Parse_CISTPL_JEDEC_C.9f
670 link path=usr/share/man/man9f/csx_Parse_CISTPL_LONGLINK_C.9f \
671     target=csx_Parse_CISTPL_LONGLINK_A.9f
672 link path=usr/share/man/man9f/csx_Put16.9f target=csx_Put8.9f
673 link path=usr/share/man/man9f/csx_Put32.9f target=csx_Put8.9f
674 link path=usr/share/man/man9f/csx_Put64.9f target=csx_Put8.9f
675 link path=usr/share/man/man9f/csx_ReleaseIO.9f target=csx_RequestIO.9f
676 link path=usr/share/man/man9f/csx_ReleaseIRQ.9f target=csx_RequestIRQ.9f
677 link path=usr/share/man/man9f/csx_ReleaseSocketMask.9f \
678     target=csx_RequestSocketMask.9f
679 link path=usr/share/man/man9f/csx_ReleaseWindow.9f target=csx_RequestWindow.9f
680 link path=usr/share/man/man9f/csx_RemoveDeviceNode.9f \
681     target=csx_MakeDeviceNode.9f
682 link path=usr/share/man/man9f/csx_RepGet16.9f target=csx_RepGet8.9f
683 link path=usr/share/man/man9f/csx_RepGet32.9f target=csx_RepGet8.9f
684 link path=usr/share/man/man9f/csx_RepGet64.9f target=csx_RepGet8.9f
685 link path=usr/share/man/man9f/csx_RepPut16.9f target=csx_RepPut8.9f
686 link path=usr/share/man/man9f/csx_RepPut32.9f target=csx_RepPut8.9f
687 link path=usr/share/man/man9f/csx_RepPut64.9f target=csx_RepPut8.9f
688 link path=usr/share/man/man9f/cv_broadcast.9f target=condvar.9f
689 link path=usr/share/man/man9f/cv_destroy.9f target=condvar.9f
690 link path=usr/share/man/man9f/cv_init.9f target=condvar.9f
691 link path=usr/share/man/man9f/cv_reltimedwait.9f target=condvar.9f
692 link path=usr/share/man/man9f/cv_reltimedwait_sig.9f target=condvar.9f
693 link path=usr/share/man/man9f/cv_signal.9f target=condvar.9f
694 link path=usr/share/man/man9f/cv_timedwait.9f target=condvar.9f
695 link path=usr/share/man/man9f/cv_timedwait_sig.9f target=condvar.9f
696 link path=usr/share/man/man9f/cv_wait.9f target=condvar.9f
697 link path=usr/share/man/man9f/cv_wait_sig.9f target=condvar.9f
698 link path=usr/share/man/man9f/ddi_btopr.9f target=ddi_btop.9f
699 link path=usr/share/man/man9f/ddi_cb_unregister.9f target=ddi_cb_register.9f
700 link path=usr/share/man/man9f/ddi_check_dma_handle.9f \
701     target=ddi_check_acc_handle.9f
702 link path=usr/share/man/man9f/ddi_devid_free.9f target=ddi_devid_compare.9f
703 link path=usr/share/man/man9f/ddi_devid_get.9f target=ddi_devid_compare.9f
704 link path=usr/share/man/man9f/ddi_devid_init.9f target=ddi_devid_compare.9f
705 link path=usr/share/man/man9f/ddi_devid_register.9f \
706     target=ddi_devid_compare.9f
707 link path=usr/share/man/man9f/ddi_devid_sizeof.9f target=ddi_devid_compare.9f
708 link path=usr/share/man/man9f/ddi_devid_str_decode.9f \
709     target=ddi_devid_compare.9f
710 link path=usr/share/man/man9f/ddi_devid_str_encode.9f \
711     target=ddi_devid_compare.9f
712 link path=usr/share/man/man9f/ddi_devid_str_free.9f \
713     target=ddi_devid_compare.9f
714 link path=usr/share/man/man9f/ddi_devid_unregister.9f \
715     target=ddi_devid_compare.9f
716 link path=usr/share/man/man9f/ddi_devid_valid.9f target=ddi_devid_compare.9f
717 link path=usr/share/man/man9f/ddi_devmap_segmap.9f target=devmap_setup.9f
718 link path=usr/share/man/man9f/ddi_dmae_1stparty.9f target=ddi_dmae.9f
719 link path=usr/share/man/man9f/ddi_dmae_alloc.9f target=ddi_dmae.9f
720 link path=usr/share/man/man9f/ddi_dmae_disable.9f target=ddi_dmae.9f
721 link path=usr/share/man/man9f/ddi_dmae_enable.9f target=ddi_dmae.9f
```



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722 link path=usr/share/man/man9f/ddi_dmae_getattr.9f target=ddi_dmae.9f
723 link path=usr/share/man/man9f/ddi_dmae_getcnt.9f target=ddi_dmae.9f
724 link path=usr/share/man/man9f/ddi_dmae_prog.9f target=ddi_dmae.9f
725 link path=usr/share/man/man9f/ddi_dmae_release.9f target=ddi_dmae.9f
726 link path=usr/share/man/man9f/ddi_dmae_stop.9f target=ddi_dmae.9f
727 link path=usr/share/man/man9f/ddi_exit_critical.9f \
728     target=ddi_enter_critical.9f
729 link path=usr/share/man/man9f/ddi_fls.9f target=ddi_ffs.9f
730 link path=usr/share/man/man9f/ddi_fm_capable.9f target=ddi_fm_init.9f
731 link path=usr/share/man/man9f/ddi_fm_dma_err_clear.9f \
732     target=ddi_fm_acc_err_clear.9f
733 link path=usr/share/man/man9f/ddi_fm_dma_err_get.9f \
734     target=ddi_fm_acc_err_get.9f
735 link path=usr/share/man/man9f/ddi_fm_fini.9f target=ddi_fm_init.9f
736 link path=usr/share/man/man9f/ddi_fm_handler_unregister.9f \
737     target=ddi_fm_handler_register.9f
738 link path=usr/share/man/man9f/ddi_get16.9f target=ddi_get8.9f
739 link path=usr/share/man/man9f/ddi_get32.9f target=ddi_get8.9f
740 link path=usr/share/man/man9f/ddi_get64.9f target=ddi_get8.9f
741 link path=usr/share/man/man9f/ddi_get_iblock_cookie.9f target=ddi_add_intr.9f
742 link path=usr/share/man/man9f/ddi_get_lbolt64.9f target=ddi_get_lbolt.9f
743 link path=usr/share/man/man9f/ddi_get_name.9f target=ddi_binding_name.9f
744 link path=usr/share/man/man9f/ddi_get_soft_iblock_cookie.9f \
745     target=ddi_add_softintr.9f
746 link path=usr/share/man/man9f/ddi_get_soft_state.9f target=ddi_soft_state.9f
747 link path=usr/share/man/man9f/ddi_getb.9f target=ddi_get8.9f
748 link path=usr/share/man/man9f/ddi_getl.9f target=ddi_get8.9f
749 link path=usr/share/man/man9f/ddi_getll.9f target=ddi_get8.9f
750 link path=usr/share/man/man9f/ddi_getlongprop.9f target=ddi_prop_op.9f
751 link path=usr/share/man/man9f/ddi_getlongprop_buf.9f target=ddi_prop_op.9f
752 link path=usr/share/man/man9f/ddi_getprop.9f target=ddi_prop_op.9f
753 link path=usr/share/man/man9f/ddi_getproplen.9f target=ddi_prop_op.9f
754 link path=usr/share/man/man9f/ddi_getw.9f target=ddi_get8.9f
755 link path=usr/share/man/man9f/ddi_intr_block_disable.9f \
756     target=ddi_intr_enable.9f
757 link path=usr/share/man/man9f/ddi_intr_block_enable.9f \
758     target=ddi_intr_enable.9f
759 link path=usr/share/man/man9f/ddi_intr_clr_mask.9f target=ddi_intr_set_mask.9f
760 link path=usr/share/man/man9f/ddi_intr_disable.9f target=ddi_intr_enable.9f
761 link path=usr/share/man/man9f/ddi_intr_free.9f target=ddi_intr_alloc.9f
762 link path=usr/share/man/man9f/ddi_intr_get_navail.9f \
763     target=ddi_intr_get_nintrs.9f
764 link path=usr/share/man/man9f/ddi_intr_get_softint_pri.9f \
765     target=ddi_intr_add_softint.9f
766 link path=usr/share/man/man9f/ddi_intr_remove_handler.9f \
767     target=ddi_intr_add_handler.9f
768 link path=usr/share/man/man9f/ddi_intr_remove_softint.9f \
769     target=ddi_intr_add_softint.9f
770 link path=usr/share/man/man9f/ddi_intr_set_cap.9f target=ddi_intr_get_cap.9f
771 link path=usr/share/man/man9f/ddi_intr_set_pri.9f target=ddi_intr_get_pri.9f
772 link path=usr/share/man/man9f/ddi_intr_set_softint_pri.9f \
773     target=ddi_intr_add_softint.9f
774 link path=usr/share/man/man9f/ddi_intr_trigger_softint.9f \
775     target=ddi_intr_add_softint.9f
776 link path=usr/share/man/man9f/ddi_io_get16.9f target=ddi_io_get8.9f
777 link path=usr/share/man/man9f/ddi_io_get32.9f target=ddi_io_get8.9f
778 link path=usr/share/man/man9f/ddi_io_getb.9f target=ddi_io_get8.9f
779 link path=usr/share/man/man9f/ddi_io_getl.9f target=ddi_io_get8.9f
780 link path=usr/share/man/man9f/ddi_io_getw.9f target=ddi_io_get8.9f
781 link path=usr/share/man/man9f/ddi_io_put16.9f target=ddi_io_put8.9f
782 link path=usr/share/man/man9f/ddi_io_put32.9f target=ddi_io_put8.9f
783 link path=usr/share/man/man9f/ddi_io_putb.9f target=ddi_io_put8.9f
784 link path=usr/share/man/man9f/ddi_io_putl.9f target=ddi_io_put8.9f
785 link path=usr/share/man/man9f/ddi_io_putw.9f target=ddi_io_put8.9f
786 link path=usr/share/man/man9f/ddi_io_rep_get16.9f target=ddi_io_rep_get8.9f
787 link path=usr/share/man/man9f/ddi_io_rep_get32.9f target=ddi_io_rep_get8.9f
```

```
788 link path=usr/share/man/man9f/ddi_io_rep_getb.9f target=ddi_io_rep_get8.9f
789 link path=usr/share/man/man9f/ddi_io_rep_getl.9f target=ddi_io_rep_get8.9f
790 link path=usr/share/man/man9f/ddi_io_rep_getw.9f target=ddi_io_rep_get8.9f
791 link path=usr/share/man/man9f/ddi_io_rep_put16.9f target=ddi_io_rep_put8.9f
792 link path=usr/share/man/man9f/ddi_io_rep_put32.9f target=ddi_io_rep_put8.9f
793 link path=usr/share/man/man9f/ddi_io_rep_putb.9f target=ddi_io_rep_put8.9f
794 link path=usr/share/man/man9f/ddi_io_rep_putl.9f target=ddi_io_rep_put8.9f
795 link path=usr/share/man/man9f/ddi_io_rep_putw.9f target=ddi_io_rep_put8.9f
796 link path=usr/share/man/man9f/ddi_mem_get16.9f target=ddi_mem_get8.9f
797 link path=usr/share/man/man9f/ddi_mem_get32.9f target=ddi_mem_get8.9f
798 link path=usr/share/man/man9f/ddi_mem_get64.9f target=ddi_mem_get8.9f
799 link path=usr/share/man/man9f/ddi_mem_getb.9f target=ddi_mem_get8.9f
800 link path=usr/share/man/man9f/ddi_mem_getl.9f target=ddi_mem_get8.9f
801 link path=usr/share/man/man9f/ddi_mem_getll.9f target=ddi_mem_get8.9f
802 link path=usr/share/man/man9f/ddi_mem_getw.9f target=ddi_mem_get8.9f
803 link path=usr/share/man/man9f/ddi_mem_put16.9f target=ddi_mem_put8.9f
804 link path=usr/share/man/man9f/ddi_mem_put32.9f target=ddi_mem_put8.9f
805 link path=usr/share/man/man9f/ddi_mem_put64.9f target=ddi_mem_put8.9f
806 link path=usr/share/man/man9f/ddi_mem_putb.9f target=ddi_mem_put8.9f
807 link path=usr/share/man/man9f/ddi_mem_putl.9f target=ddi_mem_put8.9f
808 link path=usr/share/man/man9f/ddi_mem_putll.9f target=ddi_mem_put8.9f
809 link path=usr/share/man/man9f/ddi_mem_putw.9f target=ddi_mem_put8.9f
810 link path=usr/share/man/man9f/ddi_mem_rep_get16.9f target=ddi_mem_rep_get8.9f
811 link path=usr/share/man/man9f/ddi_mem_rep_get32.9f target=ddi_mem_rep_get8.9f
812 link path=usr/share/man/man9f/ddi_mem_rep_get64.9f target=ddi_mem_rep_get8.9f
813 link path=usr/share/man/man9f/ddi_mem_rep_getb.9f target=ddi_mem_rep_get8.9f
814 link path=usr/share/man/man9f/ddi_mem_rep_getl.9f target=ddi_mem_rep_get8.9f
815 link path=usr/share/man/man9f/ddi_mem_rep_getll.9f target=ddi_mem_rep_get8.9f
816 link path=usr/share/man/man9f/ddi_mem_rep_getw.9f target=ddi_mem_rep_get8.9f
817 link path=usr/share/man/man9f/ddi_mem_rep_put16.9f target=ddi_mem_rep_put8.9f
818 link path=usr/share/man/man9f/ddi_mem_rep_put32.9f target=ddi_mem_rep_put8.9f
819 link path=usr/share/man/man9f/ddi_mem_rep_put64.9f target=ddi_mem_rep_put8.9f
820 link path=usr/share/man/man9f/ddi_mem_rep_putb.9f target=ddi_mem_rep_put8.9f
821 link path=usr/share/man/man9f/ddi_mem_rep_putl.9f target=ddi_mem_rep_put8.9f
822 link path=usr/share/man/man9f/ddi_mem_rep_putll.9f target=ddi_mem_rep_put8.9f
823 link path=usr/share/man/man9f/ddi_mem_rep_putw.9f target=ddi_mem_rep_put8.9f
824 link path=usr/share/man/man9f/ddi_modclose.9f target=ddi_modopen.9f
825 link path=usr/share/man/man9f/ddi_modsym.9f target=ddi_modopen.9f
826 link path=usr/share/man/man9f/ddi_peek16.9f target=ddi_peek.9f
827 link path=usr/share/man/man9f/ddi_peek32.9f target=ddi_peek.9f
828 link path=usr/share/man/man9f/ddi_peek64.9f target=ddi_peek.9f
829 link path=usr/share/man/man9f/ddi_peek8.9f target=ddi_peek.9f
830 link path=usr/share/man/man9f/ddi_peekc.9f target=ddi_peek.9f
831 link path=usr/share/man/man9f/ddi_peekd.9f target=ddi_peek.9f
832 link path=usr/share/man/man9f/ddi_peekl.9f target=ddi_peek.9f
833 link path=usr/share/man/man9f/ddi_peeks.9f target=ddi_peek.9f
834 link path=usr/share/man/man9f/ddi_poke16.9f target=ddi_poke.9f
835 link path=usr/share/man/man9f/ddi_poke32.9f target=ddi_poke.9f
836 link path=usr/share/man/man9f/ddi_poke64.9f target=ddi_poke.9f
837 link path=usr/share/man/man9f/ddi_poke8.9f target=ddi_poke.9f
838 link path=usr/share/man/man9f/ddi_pokec.9f target=ddi_poke.9f
839 link path=usr/share/man/man9f/ddi_poked.9f target=ddi_poke.9f
840 link path=usr/share/man/man9f/ddi_pokel.9f target=ddi_poke.9f
841 link path=usr/share/man/man9f/ddi_pokes.9f target=ddi_poke.9f
842 link path=usr/share/man/man9f/ddi_prop_free.9f target=ddi_prop_lookup.9f
843 link path=usr/share/man/man9f/ddi_prop_get_int64.9f target=ddi_prop_get_int.9f
844 link path=usr/share/man/man9f/ddi_prop_lookup_byte_array.9f \
845     target=ddi_prop_lookup.9f
846 link path=usr/share/man/man9f/ddi_prop_lookup_int64_array.9f \
847     target=ddi_prop_lookup.9f
848 link path=usr/share/man/man9f/ddi_prop_lookup_int_array.9f \
849     target=ddi_prop_lookup.9f
850 link path=usr/share/man/man9f/ddi_prop_lookup_string.9f \
851     target=ddi_prop_lookup.9f
852 link path=usr/share/man/man9f/ddi_prop_lookup_string_array.9f \
853     target=ddi_prop_lookup.9f
```



```
854 link path=usr/share/man/man9f/ddi_prop_modify.9f target=ddi_prop_create.9f
855 link path=usr/share/man/man9f/ddi_prop_remove.9f target=ddi_prop_create.9f
856 link path=usr/share/man/man9f/ddi_prop_remove_all.9f target=ddi_prop_create.9f
857 link path=usr/share/man/man9f/ddi_prop_undefine.9f target=ddi_prop_create.9f
858 link path=usr/share/man/man9f/ddi_prop_update_byte_array.9f \
859     target=ddi_prop_update.9f
860 link path=usr/share/man/man9f/ddi_prop_update_int.9f target=ddi_prop_update.9f
861 link path=usr/share/man/man9f/ddi_prop_update_int64.9f \
862     target=ddi_prop_update.9f
863 link path=usr/share/man/man9f/ddi_prop_update_int64_array.9f \
864     target=ddi_prop_update.9f
865 link path=usr/share/man/man9f/ddi_prop_update_int_array.9f \
866     target=ddi_prop_update.9f
867 link path=usr/share/man/man9f/ddi_prop_update_string.9f \
868     target=ddi_prop_update.9f
869 link path=usr/share/man/man9f/ddi_prop_update_string_array.9f \
870     target=ddi_prop_update.9f
871 link path=usr/share/man/man9f/ddi_ptob.9f target=ddi_btop.9f
872 link path=usr/share/man/man9f/ddi_put16.9f target=ddi_put8.9f
873 link path=usr/share/man/man9f/ddi_put32.9f target=ddi_put8.9f
874 link path=usr/share/man/man9f/ddi_put64.9f target=ddi_put8.9f
875 link path=usr/share/man/man9f/ddi_putb.9f target=ddi_put8.9f
876 link path=usr/share/man/man9f/ddi_putl.9f target=ddi_put8.9f
877 link path=usr/share/man/man9f/ddi_putll.9f target=ddi_put8.9f
878 link path=usr/share/man/man9f/ddi_putw.9f target=ddi_put8.9f
879 link path=usr/share/man/man9f/ddi_remove_intr.9f target=ddi_add_intr.9f
880 link path=usr/share/man/man9f/ddi_remove_softintr.9f \
881     target=ddi_add_softintr.9f
882 link path=usr/share/man/man9f/ddi_rep_get16.9f target=ddi_rep_get8.9f
883 link path=usr/share/man/man9f/ddi_rep_get32.9f target=ddi_rep_get8.9f
884 link path=usr/share/man/man9f/ddi_rep_get64.9f target=ddi_rep_get8.9f
885 link path=usr/share/man/man9f/ddi_rep_getb.9f target=ddi_rep_get8.9f
886 link path=usr/share/man/man9f/ddi_rep_getl.9f target=ddi_rep_get8.9f
887 link path=usr/share/man/man9f/ddi_rep_getll.9f target=ddi_rep_get8.9f
888 link path=usr/share/man/man9f/ddi_rep_getw.9f target=ddi_rep_get8.9f
889 link path=usr/share/man/man9f/ddi_rep_put16.9f target=ddi_rep_put8.9f
890 link path=usr/share/man/man9f/ddi_rep_put32.9f target=ddi_rep_put8.9f
891 link path=usr/share/man/man9f/ddi_rep_put64.9f target=ddi_rep_put8.9f
892 link path=usr/share/man/man9f/ddi_rep_putb.9f target=ddi_rep_put8.9f
893 link path=usr/share/man/man9f/ddi_rep_putl.9f target=ddi_rep_put8.9f
894 link path=usr/share/man/man9f/ddi_rep_putll.9f target=ddi_rep_put8.9f
895 link path=usr/share/man/man9f/ddi_rep_putw.9f target=ddi_rep_put8.9f
896 link path=usr/share/man/man9f/ddi_segmap_setup.9f target=ddi_segmap.9f
897 link path=usr/share/man/man9f/ddi_set_driver_private.9f \
898     target=ddi_get_driver_private.9f
899 link path=usr/share/man/man9f/ddi_soft_state_fini.9f target=ddi_soft_state.9f
900 link path=usr/share/man/man9f/ddi_soft_state_free.9f target=ddi_soft_state.9f
901 link path=usr/share/man/man9f/ddi_soft_state_init.9f target=ddi_soft_state.9f
902 link path=usr/share/man/man9f/ddi_soft_state_zalloc.9f \
903     target=ddi_soft_state.9f
904 link path=usr/share/man/man9f/ddi_strdup.9f target=string.9f
905 link path=usr/share/man/man9f/ddi_strtoull.9f target=ddi_strtoll.9f
906 link path=usr/share/man/man9f/ddi_taskq_create.9f target=taskq.9f
907 link path=usr/share/man/man9f/ddi_taskq_destroy.9f target=taskq.9f
908 link path=usr/share/man/man9f/ddi_taskq_dispatch.9f target=taskq.9f
909 link path=usr/share/man/man9f/ddi_taskq_resume.9f target=taskq.9f
910 link path=usr/share/man/man9f/ddi_taskq_suspend.9f target=taskq.9f
911 link path=usr/share/man/man9f/ddi_taskq_wait.9f target=taskq.9f
912 link path=usr/share/man/man9f/ddi_trigger_softintr.9f \
913     target=ddi_add_softintr.9f
914 link path=usr/share/man/man9f/ddi_umem_free.9f target=ddi_umem_alloc.9f
915 link path=usr/share/man/man9f/ddi_umem_unlock.9f target=ddi_umem_lock.9f
916 link path=usr/share/man/man9f/ddi_unmap_regs.9f target=ddi_map_regs.9f
917 link path=usr/share/man/man9f/desballoc.9f target=esballoc.9f
918 link path=usr/share/man/man9f/dev_err.9f target=cmn_err.9f
919 link path=usr/share/man/man9f/devmap_load.9f target=devmap_unload.9f
```

```
link path=usr/share/man/man9f/devmap_umem_setup.9f \
    target=devmap_devmem_setup.9f
link path=usr/share/man/man9f/dlerrorack.9f target=dlbindack.9f
link path=usr/share/man/man9f/dlokack.9f target=dlbindack.9f
link path=usr/share/man/man9f/dlphysaddrack.9f target=dlbindack.9f
link path=usr/share/man/man9f/dluderrorind.9f target=dlbindack.9f
link path=usr/share/man/man9f/firmware_close.9f target=firmload.9f
link path=usr/share/man/man9f/firmware_free.9f target=firmload.9f
link path=usr/share/man/man9f/firmware_get_size.9f target=firmload.9f
link path=usr/share/man/man9f/firmware_malloc.9f target=firmload.9f
link path=usr/share/man/man9f/firmware_open.9f target=firmload.9f
link path=usr/share/man/man9f/firmware_read.9f target=firmload.9f
link path=usr/share/man/man9f/free_pktiopb.9f target=get_pktiopb.9f
link path=usr/share/man/man9f/gld_intr.9f target=gld.9f
link path=usr/share/man/man9f/gld_mac_alloc.9f target=gld.9f
link path=usr/share/man/man9f/gld_mac_free.9f target=gld.9f
link path=usr/share/man/man9f/gld_recv.9f target=gld.9f
link path=usr/share/man/man9f/gld_register.9f target=gld.9f
link path=usr/share/man/man9f/gld_sched.9f target=gld.9f
link path=usr/share/man/man9f/gld_unregister.9f target=gld.9f
link path=usr/share/man/man9f/id32_free.9f target=id32_alloc.9f
link path=usr/share/man/man9f/id32_lookup.9f target=id32_alloc.9f
link path=usr/share/man/man9f/id_alloc.9f target=id_space.9f
link path=usr/share/man/man9f/id_alloc_nosleep.9f target=id_space.9f
link path=usr/share/man/man9f/id_alloc_specific_nosleep.9f target=id_space.9f
link path=usr/share/man/man9f/id_allocff.9f target=id_space.9f
link path=usr/share/man/man9f/id_allocff_nosleep.9f target=id_space.9f
link path=usr/share/man/man9f/id_free.9f target=id_space.9f
link path=usr/share/man/man9f/id_space_create.9f target=id_space.9f
link path=usr/share/man/man9f/id_space_destroy.9f target=id_space.9f
link path=usr/share/man/man9f/id_space_extend.9f target=id_space.9f
link path=usr/share/man/man9f/inl.9f target=inb.9f
link path=usr/share/man/man9f/intro.9f target=Intro.9f
link path=usr/share/man/man9f/inw.9f target=inb.9f
link path=usr/share/man/man9f/kmem_cache_alloc.9f target=kmem_cache_create.9f
link path=usr/share/man/man9f/kmem_cache_destroy.9f \
    target=kmem_cache_create.9f
link path=usr/share/man/man9f/kmem_cache_free.9f target=kmem_cache_create.9f
link path=usr/share/man/man9f/kmem_cache_set_move.9f \
    target=kmem_cache_create.9f
link path=usr/share/man/man9f/kmem_free.9f target=kmem_alloc.9f
link path=usr/share/man/man9f/kmem_zalloc.9f target=kmem_alloc.9f
link path=usr/share/man/man9f/kstat_named_setstr.9f target=kstat_named_init.9f
link path=usr/share/man/man9f/kstat_runq_back_to_waitq.9f \
    target=kstat_queue.9f
link path=usr/share/man/man9f/kstat_runq_enter.9f target=kstat_queue.9f
link path=usr/share/man/man9f/kstat_runq_exit.9f target=kstat_queue.9f
link path=usr/share/man/man9f/kstat_waitq_enter.9f target=kstat_queue.9f
link path=usr/share/man/man9f/kstat_waitq_exit.9f target=kstat_queue.9f
link path=usr/share/man/man9f/kstat_waitq_to_runq.9f target=kstat_queue.9f
link path=usr/share/man/man9f/ldi_awrite.9f target=ldi_aread.9f
link path=usr/share/man/man9f/ldi_close.9f target=ldi_open_by_dev.9f
link path=usr/share/man/man9f/ldi_get_devid.9f target=ldi_get_dev.9f
link path=usr/share/man/man9f/ldi_get_minor_name.9f target=ldi_get_dev.9f
link path=usr/share/man/man9f/ldi_get_otyp.9f target=ldi_get_dev.9f
link path=usr/share/man/man9f/ldi_getmsg.9f target=ldi_putmsg.9f
link path=usr/share/man/man9f/ldi_ident_from_dip.9f \
    target=ldi_ident_from_dev.9f
link path=usr/share/man/man9f/ldi_ident_from_stream.9f \
    target=ldi_ident_from_dev.9f
link path=usr/share/man/man9f/ldi_ident_release.9f \
    target=ldi_ident_from_dev.9f
link path=usr/share/man/man9f/ldi_open_by_devid.9f target=ldi_open_by_dev.9f
link path=usr/share/man/man9f/ldi_open_by_name.9f target=ldi_open_by_dev.9f
link path=usr/share/man/man9f/ldi_prop_get_int64.9f target=ldi_prop_get_int.9f
link path=usr/share/man/man9f/ldi_prop_lookup_byte_array.9f \
```



```
    target=ldi_prop_lookup_int_array.9f
link path=usr/share/man/man9f/ldi_prop_lookup_int64_array.9f \
    target=ldi_prop_lookup_int_array.9f
link path=usr/share/man/man9f/ldi_prop_lookup_string.9f \
    target=ldi_prop_lookup_int_array.9f
link path=usr/share/man/man9f/ldi_prop_lookup_string_array.9f \
    target=ldi_prop_lookup_int_array.9f
link path=usr/share/man/man9f/ldi_write.9f target=ldi_read.9f
link path=usr/share/man/man9f/list_destroy.9f target=list_create.9f
link path=usr/share/man/man9f/list_head.9f target=list_create.9f
link path=usr/share/man/man9f/list_insert_after.9f target=list_create.9f
link path=usr/share/man/man9f/list_insert_before.9f target=list_create.9f
link path=usr/share/man/man9f/list_insert_head.9f target=list_create.9f
link path=usr/share/man/man9f/list_insert_tail.9f target=list_create.9f
link path=usr/share/man/man9f/list_is_empty.9f target=list_create.9f
link path=usr/share/man/man9f/list_link_active.9f target=list_create.9f
link path=usr/share/man/man9f/list_link_init.9f target=list_create.9f
link path=usr/share/man/man9f/list_link_replace.9f target=list_create.9f
link path=usr/share/man/man9f/list_move_tail.9f target=list_create.9f
link path=usr/share/man/man9f/list_next.9f target=list_create.9f
link path=usr/share/man/man9f/list_prev.9f target=list_create.9f
link path=usr/share/man/man9f/list_remove.9f target=list_create.9f
link path=usr/share/man/man9f/list_remove_head.9f target=list_create.9f
link path=usr/share/man/man9f/list_remove_tail.9f target=list_create.9f
link path=usr/share/man/man9f/list_tail.9f target=list_create.9f
link path=usr/share/man/man9f/mac_fini_ops.9f target=mac_init_ops.9f
link path=usr/share/man/man9f/mac_free.9f target=mac_alloc.9f
link path=usr/share/man/man9f/mac_hcksum_set.9f target=mac_hcksum_get.9f
link path=usr/share/man/man9f/mac_prop_info_set_default_link_flowctrl.9f \
    target=mac_prop_info.9f
link path=usr/share/man/man9f/mac_prop_info_set_default_str.9f \
    target=mac_prop_info.9f
link path=usr/share/man/man9f/mac_prop_info_set_default_uint32.9f \
    target=mac_prop_info.9f
link path=usr/share/man/man9f/mac_prop_info_set_default_uint64.9f \
    target=mac_prop_info.9f
link path=usr/share/man/man9f/mac_prop_info_set_default_uint8.9f \
    target=mac_prop_info.9f
link path=usr/share/man/man9f/mac_prop_info_set_perm.9f \
    target=mac_prop_info.9f
link path=usr/share/man/man9f/mac_prop_info_set_range_uint32.9f \
    target=mac_prop_info.9f
link path=usr/share/man/man9f/mac_transceiver_info_set_present.9f \
    target=mac_transceiver_info.9f
link path=usr/share/man/man9f/mac_transceiver_info_set_usable.9f \
    target=mac_transceiver_info.9f
link path=usr/share/man/man9f/mac_unregister.9f target=mac_register.9f
link path=usr/share/man/man9f/makecom_g0.9f target=makecom.9f
link path=usr/share/man/man9f/makecom_g0_s.9f target=makecom.9f
link path=usr/share/man/man9f/makecom_g1.9f target=makecom.9f
link path=usr/share/man/man9f/makecom_g5.9f target=makecom.9f
link path=usr/share/man/man9f/membar_consumer.9f target=membar_ops.9f
link path=usr/share/man/man9f/membar_enter.9f target=membar_ops.9f
link path=usr/share/man/man9f/membar_exit.9f target=membar_ops.9f
link path=usr/share/man/man9f/membar_producer.9f target=membar_ops.9f
link path=usr/share/man/man9f/memcmp.9f target=memchr.9f
link path=usr/share/man/man9f/memcpy.9f target=memchr.9f
link path=usr/share/man/man9f/memmove.9f target=memchr.9f
link path=usr/share/man/man9f/memset.9f target=memchr.9f
link path=usr/share/man/man9f/minphys.9f target=physio.9f
link path=usr/share/man/man9f/mod_info.9f target=mod_install.9f
link path=usr/share/man/man9f/mod_modname.9f target=mod_install.9f
link path=usr/share/man/man9f/mod_remove.9f target=mod_install.9f
link path=usr/share/man/man9f/mutex_destroy.9f target=mutex.9f
link path=usr/share/man/man9f/mutex_enter.9f target=mutex.9f
link path=usr/share/man/man9f/mutex_exit.9f target=mutex.9f
```

```
1052 link path=usr/share/man/man9f/mutex_init.9f target=mutex.9f
1053 link path=usr/share/man/man9f/mutex_owned.9f target=mutex.9f
1054 link path=usr/share/man/man9f/mutex_tryenter.9f target=mutex.9f
1055 link path=usr/share/man/man9f/net_event_notify_unregister.9f \
1056     target=net_event_notify_register.9f
1057 link path=usr/share/man/man9f/net_instance_notify_unregister.9f \
1058     target=net_instance_notify_register.9f
1059 link path=usr/share/man/man9f/net_instance_protocol_unregister.9f \
1060     target=net_protocol_notify_register.9f
1061 link path=usr/share/man/man9f/numtos.9f target=stoi.9f
1062 link path=usr/share/man/man9f/nv_alloc_fini.9f target=nvlist_alloc.9f
1063 link path=usr/share/man/man9f/nv_alloc_init.9f target=nvlist_alloc.9f
1064 link path=usr/share/man/man9f/nvlist_add_boolean_array.9f \
1065     target=nvlist_add_boolean.9f
1066 link path=usr/share/man/man9f/nvlist_add_boolean_value.9f \
1067     target=nvlist_add_boolean.9f
1068 link path=usr/share/man/man9f/nvlist_add_byte.9f target=nvlist_add_boolean.9f
1069 link path=usr/share/man/man9f/nvlist_add_byte_array.9f \
1070     target=nvlist_add_boolean.9f
1071 link path=usr/share/man/man9f/nvlist_add_int16.9f target=nvlist_add_boolean.9f
1072 link path=usr/share/man/man9f/nvlist_add_int16_array.9f \
1073     target=nvlist_add_boolean.9f
1074 link path=usr/share/man/man9f/nvlist_add_int32.9f target=nvlist_add_boolean.9f
1075 link path=usr/share/man/man9f/nvlist_add_int32_array.9f \
1076     target=nvlist_add_boolean.9f
1077 link path=usr/share/man/man9f/nvlist_add_int64.9f target=nvlist_add_boolean.9f
1078 link path=usr/share/man/man9f/nvlist_add_int64_array.9f \
1079     target=nvlist_add_boolean.9f
1080 link path=usr/share/man/man9f/nvlist_add_int8.9f target=nvlist_add_boolean.9f
1081 link path=usr/share/man/man9f/nvlist_add_int8_array.9f \
1082     target=nvlist_add_boolean.9f
1083 link path=usr/share/man/man9f/nvlist_add_nvlist.9f \
1084     target=nvlist_add_boolean.9f
1085 link path=usr/share/man/man9f/nvlist_add_nvlist_array.9f \
1086     target=nvlist_add_boolean.9f
1087 link path=usr/share/man/man9f/nvlist_add_nvpair.9f \
1088     target=nvlist_add_boolean.9f
1089 link path=usr/share/man/man9f/nvlist_add_string.9f \
1090     target=nvlist_add_boolean.9f
1091 link path=usr/share/man/man9f/nvlist_add_string_array.9f \
1092     target=nvlist_add_boolean.9f
1093 link path=usr/share/man/man9f/nvlist_add_uint16.9f \
1094     target=nvlist_add_boolean.9f
1095 link path=usr/share/man/man9f/nvlist_add_uint16_array.9f \
1096     target=nvlist_add_boolean.9f
1097 link path=usr/share/man/man9f/nvlist_add_uint32.9f \
1098     target=nvlist_add_boolean.9f
1099 link path=usr/share/man/man9f/nvlist_add_uint32_array.9f \
1100     target=nvlist_add_boolean.9f
1101 link path=usr/share/man/man9f/nvlist_add_uint64.9f \
1102     target=nvlist_add_boolean.9f
1103 link path=usr/share/man/man9f/nvlist_add_uint64_array.9f \
1104     target=nvlist_add_boolean.9f
1105 link path=usr/share/man/man9f/nvlist_add_uint8.9f target=nvlist_add_boolean.9f
1106 link path=usr/share/man/man9f/nvlist_add_uint8_array.9f \
1107     target=nvlist_add_boolean.9f
1108 link path=usr/share/man/man9f/nvlist_dup.9f target=nvlist_alloc.9f
1109 link path=usr/share/man/man9f/nvlist_exists.9f target=nvlist_lookup_nvpair.9f
1110 link path=usr/share/man/man9f/nvlist_free.9f target=nvlist_alloc.9f
1111 link path=usr/share/man/man9f/nvlist_lookup_boolean_array.9f \
1112     target=nvlist_lookup_boolean.9f
1113 link path=usr/share/man/man9f/nvlist_lookup_boolean_value.9f \
1114     target=nvlist_lookup_boolean.9f
1115 link path=usr/share/man/man9f/nvlist_lookup_byte.9f \
1116     target=nvlist_lookup_boolean.9f
1117 link path=usr/share/man/man9f/nvlist_lookup_byte_array.9f \
```



```
1118     target=nvlist_lookup_boolean.9f
1119 link path=usr/share/man/man9f/nvlist_lookup_int16.9f \
1120     target=nvlist_lookup_boolean.9f
1121 link path=usr/share/man/man9f/nvlist_lookup_int16_array.9f \
1122     target=nvlist_lookup_boolean.9f
1123 link path=usr/share/man/man9f/nvlist_lookup_int32.9f \
1124     target=nvlist_lookup_boolean.9f
1125 link path=usr/share/man/man9f/nvlist_lookup_int32_array.9f \
1126     target=nvlist_lookup_boolean.9f
1127 link path=usr/share/man/man9f/nvlist_lookup_int64.9f \
1128     target=nvlist_lookup_boolean.9f
1129 link path=usr/share/man/man9f/nvlist_lookup_int64_array.9f \
1130     target=nvlist_lookup_boolean.9f
1131 link path=usr/share/man/man9f/nvlist_lookup_int8.9f \
1132     target=nvlist_lookup_boolean.9f
1133 link path=usr/share/man/man9f/nvlist_lookup_int8_array.9f \
1134     target=nvlist_lookup_boolean.9f
1135 link path=usr/share/man/man9f/nvlist_lookup_nvlist.9f \
1136     target=nvlist_lookup_boolean.9f
1137 link path=usr/share/man/man9f/nvlist_lookup_nvlist_array.9f \
1138     target=nvlist_lookup_boolean.9f
1139 link path=usr/share/man/man9f/nvlist_lookup_pairs.9f \
1140     target=nvlist_lookup_boolean.9f
1141 link path=usr/share/man/man9f/nvlist_lookup_string.9f \
1142     target=nvlist_lookup_boolean.9f
1143 link path=usr/share/man/man9f/nvlist_lookup_string_array.9f \
1144     target=nvlist_lookup_boolean.9f
1145 link path=usr/share/man/man9f/nvlist_lookup_uint16.9f \
1146     target=nvlist_lookup_boolean.9f
1147 link path=usr/share/man/man9f/nvlist_lookup_uint16_array.9f \
1148     target=nvlist_lookup_boolean.9f
1149 link path=usr/share/man/man9f/nvlist_lookup_uint32.9f \
1150     target=nvlist_lookup_boolean.9f
1151 link path=usr/share/man/man9f/nvlist_lookup_uint32_array.9f \
1152     target=nvlist_lookup_boolean.9f
1153 link path=usr/share/man/man9f/nvlist_lookup_uint64.9f \
1154     target=nvlist_lookup_boolean.9f
1155 link path=usr/share/man/man9f/nvlist_lookup_uint64_array.9f \
1156     target=nvlist_lookup_boolean.9f
1157 link path=usr/share/man/man9f/nvlist_lookup_uint8.9f \
1158     target=nvlist_lookup_boolean.9f
1159 link path=usr/share/man/man9f/nvlist_lookup_uint8_array.9f \
1160     target=nvlist_lookup_boolean.9f
1161 link path=usr/share/man/man9f/nvlist_merge.9f target=nvlist_alloc.9f
1162 link path=usr/share/man/man9f/nvlist_pack.9f target=nvlist_alloc.9f
1163 link path=usr/share/man/man9f/nvlist_remove_all.9f target=nvlist_remove.9f
1164 link path=usr/share/man/man9f/nvlist_size.9f target=nvlist_alloc.9f
1165 link path=usr/share/man/man9f/nvlist_t.9f target=nvlist_add_boolean.9f
1166 link path=usr/share/man/man9f/nvlist_unpack.9f target=nvlist_alloc.9f
1167 link path=usr/share/man/man9f/nvlist_xalloc.9f target=nvlist_alloc.9f
1168 link path=usr/share/man/man9f/nvlist_xdup.9f target=nvlist_alloc.9f
1169 link path=usr/share/man/man9f/nvlist_xpack.9f target=nvlist_alloc.9f
1170 link path=usr/share/man/man9f/nvlist_xunpack.9f target=nvlist_alloc.9f
1171 link path=usr/share/man/man9f/nvpair_name.9f target=nvlist_next_nvpair.9f
1172 link path=usr/share/man/man9f/nvpair_type.9f target=nvlist_next_nvpair.9f
1173 link path=usr/share/man/man9f/nvpair_value_boolean_array.9f \
1174     target=nvpair_value_byte.9f
1175 link path=usr/share/man/man9f/nvpair_value_byte_array.9f \
1176     target=nvpair_value_byte.9f
1177 link path=usr/share/man/man9f/nvpair_value_int16.9f \
1178     target=nvpair_value_byte.9f
1179 link path=usr/share/man/man9f/nvpair_value_int16_array.9f \
1180     target=nvpair_value_byte.9f
1181 link path=usr/share/man/man9f/nvpair_value_int32.9f \
1182     target=nvpair_value_byte.9f
1183 link path=usr/share/man/man9f/nvpair_value_int32_array.9f \
```

```
1184     target=nvpair_value_byte.9f
1185 link path=usr/share/man/man9f/nvpair_value_int64.9f \
1186     target=nvpair_value_byte.9f
1187 link path=usr/share/man/man9f/nvpair_value_int64_array.9f \
1188     target=nvpair_value_byte.9f
1189 link path=usr/share/man/man9f/nvpair_value_int8.9f target=nvpair_value_byte.9f
1190 link path=usr/share/man/man9f/nvpair_value_int8_array.9f \
1191     target=nvpair_value_byte.9f
1192 link path=usr/share/man/man9f/nvpair_value_nvlist.9f \
1193     target=nvpair_value_byte.9f
1194 link path=usr/share/man/man9f/nvpair_value_nvlist_array.9f \
1195     target=nvpair_value_byte.9f
1196 link path=usr/share/man/man9f/nvpair_value_string.9f \
1197     target=nvpair_value_byte.9f
1198 link path=usr/share/man/man9f/nvpair_value_string_array.9f \
1199     target=nvpair_value_byte.9f
1200 link path=usr/share/man/man9f/nvpair_value_uint16.9f \
1201     target=nvpair_value_byte.9f
1202 link path=usr/share/man/man9f/nvpair_value_uint16_array.9f \
1203     target=nvpair_value_byte.9f
1204 link path=usr/share/man/man9f/nvpair_value_uint32.9f \
1205     target=nvpair_value_byte.9f
1206 link path=usr/share/man/man9f/nvpair_value_uint32_array.9f \
1207     target=nvpair_value_byte.9f
1208 link path=usr/share/man/man9f/nvpair_value_uint64.9f \
1209     target=nvpair_value_byte.9f
1210 link path=usr/share/man/man9f/nvpair_value_uint64_array.9f \
1211     target=nvpair_value_byte.9f
1212 link path=usr/share/man/man9f/nvpair_value_uint8.9f \
1213     target=nvpair_value_byte.9f
1214 link path=usr/share/man/man9f/nvpair_value_uint8_array.9f \
1215     target=nvpair_value_byte.9f
1216 link path=usr/share/man/man9f/otherq.9f target=OTHERQ.9f
1217 link path=usr/share/man/man9f/outl.9f target=outb.9f
1218 link path=usr/share/man/man9f/outw.9f target=outb.9f
1219 link path=usr/share/man/man9f/pci_config_get16.9f target=pci_config_get8.9f
1220 link path=usr/share/man/man9f/pci_config_get32.9f target=pci_config_get8.9f
1221 link path=usr/share/man/man9f/pci_config_get64.9f target=pci_config_get8.9f
1222 link path=usr/share/man/man9f/pci_config_getb.9f target=pci_config_get8.9f
1223 link path=usr/share/man/man9f/pci_config_getl.9f target=pci_config_get8.9f
1224 link path=usr/share/man/man9f/pci_config_getll.9f target=pci_config_get8.9f
1225 link path=usr/share/man/man9f/pci_config_getw.9f target=pci_config_get8.9f
1226 link path=usr/share/man/man9f/pci_config_put16.9f target=pci_config_get8.9f
1227 link path=usr/share/man/man9f/pci_config_put32.9f target=pci_config_get8.9f
1228 link path=usr/share/man/man9f/pci_config_put64.9f target=pci_config_get8.9f
1229 link path=usr/share/man/man9f/pci_config_put8.9f target=pci_config_get8.9f
1230 link path=usr/share/man/man9f/pci_config_putb.9f target=pci_config_get8.9f
1231 link path=usr/share/man/man9f/pci_config_putl.9f target=pci_config_get8.9f
1232 link path=usr/share/man/man9f/pci_config_putll.9f target=pci_config_get8.9f
1233 link path=usr/share/man/man9f/pci_config_putw.9f target=pci_config_get8.9f
1234 link path=usr/share/man/man9f/pci_config_teardown.9f \
1235     target=pci_config_setup.9f
1236 link path=usr/share/man/man9f/pci_ereport_post.9f target=pci_ereport_setup.9f
1237 link path=usr/share/man/man9f/pci_ereport_teardown.9f \
1238     target=pci_ereport_setup.9f
1239 link path=usr/share/man/man9f/pci_restore_config_regs.9f \
1240     target=pci_save_config_regs.9f
1241 link path=usr/share/man/man9f/pm_idle_component.9f target=pm_busy_component.9f
1242 link path=usr/share/man/man9f/pm_lower_power.9f target=pm_raise_power.9f
1243 link path=usr/share/man/man9f/priv_policy_choice.9f target=priv_policy.9f
1244 link path=usr/share/man/man9f/priv_policy_only.9f target=priv_policy.9f
1245 link path=usr/share/man/man9f/proc_ref.9f target=proc_signal.9f
1246 link path=usr/share/man/man9f/proc_unref.9f target=proc_signal.9f
1247 link path=usr/share/man/man9f/qprocsoff.9f target=qprocson.9f
1248 link path=usr/share/man/man9f/qwait_sig.9f target=qwait.9f
1249 link path=usr/share/man/man9f/rd.9f target=RD.9f
```



```
1250 link path=usr/share/man/man9f/repinsb.9f target=inb.9f
1251 link path=usr/share/man/man9f/repinsd.9f target=inb.9f
1252 link path=usr/share/man/man9f/repinsw.9f target=inb.9f
1253 link path=usr/share/man/man9f/repoutsb.9f target=outb.9f
1254 link path=usr/share/man/man9f/repoutsd.9f target=outb.9f
1255 link path=usr/share/man/man9f/repoutsw.9f target=outb.9f
1256 link path=usr/share/man/man9f/rmallocmap_wait.9f target=rmallocmap.9f
1257 link path=usr/share/man/man9f/rmfreemap.9f target=rmallocmap.9f
1258 link path=usr/share/man/man9f/rw_destroy.9f target=rwlock.9f
1259 link path=usr/share/man/man9f/rw_downgrade.9f target=rwlock.9f
1260 link path=usr/share/man/man9f/rw_enter.9f target=rwlock.9f
1261 link path=usr/share/man/man9f/rw_exit.9f target=rwlock.9f
1262 link path=usr/share/man/man9f/rw_init.9f target=rwlock.9f
1263 link path=usr/share/man/man9f/rw_read_locked.9f target=rwlock.9f
1264 link path=usr/share/man/man9f/rw_tryenter.9f target=rwlock.9f
1265 link path=usr/share/man/man9f/rw_tryupgrade.9f target=rwlock.9f
1266 link path=usr/share/man/man9f/samestr.9f target=SAMESTR.9f
1267 link path=usr/share/man/man9f/sas_phymap_destroy.9f \
1268     target=sas_phymap_create.9f
1269 link path=usr/share/man/man9f/sas_phymap_lookup_uapriv.9f \
1270     target=sas_phymap_lookup_ua.9f
1271 link path=usr/share/man/man9f/sas_phymap_phy2ua.9f \
1272     target=sas_phymap_lookup_ua.9f
1273 link path=usr/share/man/man9f/sas_phymap_phy_add.9f \
1274     target=sas_phymap_create.9f
1275 link path=usr/share/man/man9f/sas_phymap_phy_rem.9f \
1276     target=sas_phymap_create.9f
1277 link path=usr/share/man/man9f/sas_phymap_phys_free.9f \
1278     target=sas_phymap_lookup_ua.9f
1279 link path=usr/share/man/man9f/sas_phymap_phys_next.9f \
1280     target=sas_phymap_lookup_ua.9f
1281 link path=usr/share/man/man9f/sas_phymap_ua2phys.9f \
1282     target=sas_phymap_lookup_ua.9f
1283 link path=usr/share/man/man9f/sas_phymap_ua_free.9f \
1284     target=sas_phymap_lookup_ua.9f
1285 link path=usr/share/man/man9f/sas_phymap_uahasphys.9f \
1286     target=sas_phymap_lookup_ua.9f
1287 link path=usr/share/man/man9f/scsi_device_hba_private_get.9f \
1288     target=scsi_address_device.9f
1289 link path=usr/share/man/man9f/scsi_device_hba_private_set.9f \
1290     target=scsi_address_device.9f
1291 link path=usr/share/man/man9f/scsi_device_unit_address.9f \
1292     target=scsi_address_device.9f
1293 link path=usr/share/man/man9f/scsi_dmafree.9f target=scsi_dmaget.9f
1294 link path=usr/share/man/man9f/scsi_dname.9f target=scsi_cname.9f
1295 link path=usr/share/man/man9f/scsi_free_wwnstr.9f target=scsi_wwnstr_to_wwn.9f
1296 link path=usr/share/man/man9f/scsi_hba_detach.9f \
1297     target=scsi_hba_attach_setup.9f
1298 link path=usr/share/man/man9f/scsi_hba_fini.9f target=scsi_hba_init.9f
1299 link path=usr/share/man/man9f/scsi_hba_iport_find.9f \
1300     target=scsi_hba_iport_exist.9f
1301 link path=usr/share/man/man9f/scsi_hba_iportmap_destroy.9f \
1302     target=scsi_hba_iportmap_create.9f
1303 link path=usr/share/man/man9f/scsi_hba_iportmap_iport_add.9f \
1304     target=scsi_hba_iportmap_create.9f
1305 link path=usr/share/man/man9f/scsi_hba_iportmap_iport_remove.9f \
1306     target=scsi_hba_iportmap_create.9f
1307 link path=usr/share/man/man9f/scsi_hba_pkt_free.9f \
1308     target=scsi_hba_pkt_alloc.9f
1309 link path=usr/share/man/man9f/scsi_hba_tgtmap_destroy.9f \
1310     target=scsi_hba_tgtmap_create.9f
1311 link path=usr/share/man/man9f/scsi_hba_tgtmap_set_add.9f \
1312     target=scsi_hba_tgtmap_create.9f
1313 link path=usr/share/man/man9f/scsi_hba_tgtmap_set_begin.9f \
1314     target=scsi_hba_tgtmap_create.9f
1315 link path=usr/share/man/man9f/scsi_hba_tgtmap_set_end.9f \
```

```
1316     target=scsi_hba_tgtmap_create.9f
1317 link path=usr/share/man/man9f/scsi_hba_tgtmap_set_flush.9f \
1318     target=scsi_hba_tgtmap_create.9f
1319 link path=usr/share/man/man9f/scsi_hba_tgtmap_tgt_add.9f \
1320     target=scsi_hba_tgtmap_create.9f
1321 link path=usr/share/man/man9f/scsi_hba_tgtmap_tgt_remove.9f \
1322     target=scsi_hba_tgtmap_create.9f
1323 link path=usr/share/man/man9f/scsi_hba_tran_free.9f \
1324     target=scsi_hba_tran_alloc.9f
1325 link path=usr/share/man/man9f/scsi_ifsetcap.9f target=scsi_ifgetcap.9f
1326 link path=usr/share/man/man9f/scsi_mname.9f target=scsi_cname.9f
1327 link path=usr/share/man/man9f/scsi_pktfree.9f target=scsi_pktalloc.9f
1328 link path=usr/share/man/man9f/scsi_resalloc.9f target=scsi_pktalloc.9f
1329 link path=usr/share/man/man9f/scsi_resfree.9f target=scsi_pktalloc.9f
1330 link path=usr/share/man/man9f/scsi_rname.9f target=scsi_cname.9f
1331 link path=usr/share/man/man9f/scsi_sense_asc.9f target=scsi_sense_key.9f
1332 link path=usr/share/man/man9f/scsi_sense_ascq.9f target=scsi_sense_key.9f
1333 link path=usr/share/man/man9f/scsi_sense_cmdspecific_uint64.9f \
1334     target=scsi_ext_sense_fields.9f
1335 link path=usr/share/man/man9f/scsi_sense_info_uint64.9f \
1336     target=scsi_ext_sense_fields.9f
1337 link path=usr/share/man/man9f/scsi_sname.9f target=scsi_cname.9f
1338 link path=usr/share/man/man9f/scsi_unslave.9f target=scsi_unprobe.9f
1339 link path=usr/share/man/man9f/scsi_wwn_to_wwnstr.9f \
1340     target=scsi_wwnstr_to_wwn.9f
1341 link path=usr/share/man/man9f/sema_destroy.9f target=semaphore.9f
1342 link path=usr/share/man/man9f/sema_init.9f target=semaphore.9f
1343 link path=usr/share/man/man9f/sema_p.9f target=semaphore.9f
1344 link path=usr/share/man/man9f/sema_p_sig.9f target=semaphore.9f
1345 link path=usr/share/man/man9f/sema_tryp.9f target=semaphore.9f
1346 link path=usr/share/man/man9f/sema_v.9f target=semaphore.9f
1347 link path=usr/share/man/man9f/snprintf.9f target=sprintf.9f
1348 link path=usr/share/man/man9f/strcasecmp.9f target=string.9f
1349 link path=usr/share/man/man9f/strcat.9f target=string.9f
1350 link path=usr/share/man/man9f/strchr.9f target=string.9f
1351 link path=usr/share/man/man9f/strcmp.9f target=string.9f
1352 link path=usr/share/man/man9f/strcpy.9f target=string.9f
1353 link path=usr/share/man/man9f/strdup.9f target=string.9f
1354 link path=usr/share/man/man9f/strfree.9f target=string.9f
1355 link path=usr/share/man/man9f/strlcat.9f target=string.9f
1356 link path=usr/share/man/man9f/strlcpy.9f target=string.9f
1357 link path=usr/share/man/man9f/strlen.9f target=string.9f
1358 link path=usr/share/man/man9f/strncasecmp.9f target=string.9f
1359 link path=usr/share/man/man9f/strncat.9f target=string.9f
1360 link path=usr/share/man/man9f/strncmp.9f target=string.9f
1361 link path=usr/share/man/man9f/strncpy.9f target=string.9f
1362 link path=usr/share/man/man9f/strnlen.9f target=string.9f
1363 link path=usr/share/man/man9f/strrchr.9f target=string.9f
1364 link path=usr/share/man/man9f/strspn.9f target=string.9f
1365 link path=usr/share/man/man9f/taskq_suspended.9f target=taskq.9f
1366 link path=usr/share/man/man9f/uconv_u16tou8.9f target=uconv_u16tou32.9f
1367 link path=usr/share/man/man9f/uconv_u32tou16.9f target=uconv_u16tou32.9f
1368 link path=usr/share/man/man9f/uconv_u32tou8.9f target=uconv_u16tou32.9f
1369 link path=usr/share/man/man9f/uconv_u8tou16.9f target=uconv_u16tou32.9f
1370 link path=usr/share/man/man9f/uconv_u8tou32.9f target=uconv_u16tou32.9f
1371 link path=usr/share/man/man9f/unfreezestr.9f target=freezestr.9f
1372 link path=usr/share/man/man9f/va_copy.9f target=va_arg.9f
1373 link path=usr/share/man/man9f/va_end.9f target=va_arg.9f
1374 link path=usr/share/man/man9f/va_start.9f target=va_arg.9f
1375 link path=usr/share/man/man9f/vcmn_err.9f target=cmn_err.9f
1376 link path=usr/share/man/man9f/vmem_destroy.9f target=vmem_create.9f
1377 link path=usr/share/man/man9f/vmem_free.9f target=vmem_alloc.9f
1378 link path=usr/share/man/man9f/vmem_size.9f target=vmem_walk.9f
1379 link path=usr/share/man/man9f/vmem_xalloc.9f target=vmem_alloc.9f
1380 link path=usr/share/man/man9f/vmem_xcreate.9f target=vmem_create.9f
1381 link path=usr/share/man/man9f/vmem_xfree.9f target=vmem_alloc.9f
```



```
1382 link path=usr/share/man/man9f/vsnprintf.9f target=sprintf.9f
1383 link path=usr/share/man/man9f/vsprintf.9f target=sprintf.9f
1384 link path=usr/share/man/man9f/vzcmn_err.9f target=cmn_err.9f
1385 link path=usr/share/man/man9f/wr.9f target=WR.9f
1386 link path=usr/share/man/man9f/zcmn_err.9f target=cmn_err.9f
```