Mark6

Generated by Doxygen 1.7.4

Contents

Chapter 1

addess for page pointer array

struct bd_resc_page - tracks DMA'able memory allocated for BD tables

list head to link elements : maximun pointers that can be stored in this page : number of pointer valid in this page

structure to track DMA'able memory allocated for command BD tables

Chapter 2

to access

e1000_get_phy_addr_for_bm_page - Retrieve PHY page address

Returns the phy address for the page requested.

e1000_get_phy_addr_for_hv_page - Get PHY adrress based on page

Chapter 3

Todo List

Class ControlMessage   Remove this.

Member FileWriter::FileWriter(const int id, const int write_block_size, const int write_blocks, const std::string &capt
Obsolete parameter.

Class IPEndpoint   Is this really required?

Namespace log4cxx   Remove LOG4CXX and replace with more robust solution (perhaps syslog?).

Encapsulate LOG4CXX as a singleton.

Implement my own LOG4CXX?

Member NetReader::NetReader(const int id, const std::string interface, const int snaplen, const int payload_length, c
Robustify this.

Class StatsWriter   Track this down and fix.

Chapter 4

Directory Hierarchy

4.1 Directories

This directory hierarchy is sorted roughly, but not completely, alphabetically:

Chapter 5

Class Index

5.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

Chapter 6

Class Index

6.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

Chapter 7

File Index

7.1 File List

Here is a list of all documented files with brief descriptions:

src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/**e1000_82541.c**
        ??
src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/**e1000_82541.h**
        ??
src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/**e1000_82542.c**
        ??
src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/**e1000_82543.c**
        ??
src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/**e1000_82543.h**
        ??
src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/**e1000_api.c** . **??**
src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/**e1000_api.h** . **??**
src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/**e1000_defines.h**
        ??
src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/**e1000_ethtool.c**
        ??
src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/**e1000_hw.h** . **??**
src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/**e1000_mac.c**
        ??
src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/**e1000_mac.h**
        ??
src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/**e1000_main.c**
        ??
src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/**e1000_manage.c**
        ??
src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/**e1000_manage.h**
        ??
src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/**e1000_nvm.c**
        ??
src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/**e1000_nvm.h**
        ??
src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/**e1000_osdep.h**
        ??
src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/**e1000_param.c**
        ??
src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/**e1000_phy.c** **??**
src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/**e1000_phy.h** **??**
src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/**e1000_regs.h**
        ??
src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/**kcompat.c** . . **??**
src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/**kcompat.h** . . **??**
src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/**kcompat_ethtool.c**
        ??
src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/**80003es2lan.c**
        ??
src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/**80003es2lan.h**
        ??
src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/**82571.c** . **??**
src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/**82571.h** . **??**
src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/**defines.h** **??**

src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/Win32/Include/**bittypes.h**
        ??
src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/Win32/Include/**cdecl_ext.h**
        ??
src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/Win32/Include/**Gnuc.h** **??**
src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/Win32/Include/**inetprivate.h**
        ??
src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/Win32/Include/**ip6_misc.h**
        ??
src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/Win32/Include/**sockstorage.h**
        ??
src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/Win32/Include/arpa/**nameser.h**
        ??
src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/Win32/Include/net/**if.h** . **??**
src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/Win32/Include/net/**netdb.h**
        ??
src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/Win32/Include/net/**paths.h**
        ??
src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/Win32/Src/**ffs.c** . . . . **??**
src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/Win32/Src/**gai_strerror.c**
        ??
src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/Win32/Src/**getaddrinfo.c**
        ??
src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/Win32/Src/**getnetbynm.c**
        ??
src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/Win32/Src/**getnetent.c**
        ??
src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/Win32/Src/**getopt.c** . . **??**
src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/Win32/Src/**getservent.c**
        ??
src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/Win32/Src/**inet_aton.c** **??**
src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/Win32/Src/**inet_net.c** . **??**
src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/Win32/Src/**inet_pton.c** **??**
src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/api/**daq.h** . . . . **??**
src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/api/**daq_api.h** . . . . **??**
src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/api/**daq_base.c** . . . . . . **??**
src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/api/**daq_common.h** . . . . **??**
src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/api/**daq_mod_ops.c** . . . . **??**
src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/os-daq-modules/**daq_afpacket.c**
        ??
src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/os-daq-modules/**daq_dump.c**
        ??
src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/os-daq-modules/**daq_ipfw.c**
        ??
src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/os-daq-modules/**daq_ipq.c**
        ??
src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/os-daq-modules/**daq_nfq.c**
        ??
src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/os-daq-modules/**daq_pcap.c**
        ??

Chapter 8

Directory Documentation

8.1 src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/api/ Directory Reference

Files

- file **daq.h**
- file **daq_api.h**
- file **daq_base.c**
- file **daq_common.h**
- file **daq_mod_ops.c**

8.2 src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/win32/Include/Arpa/ Directory Reference

Files

- file **tftp.h**

8.3 src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/Win32/Include/arpa/ Directory Reference

Files

- file **nameser.h**

8.4 src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/ Directory Reference

Directories

- directory src

8.5 src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/ Directory Reference

Directories

- directory driver

8.6 src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/ Directory Reference

Directories

- directory src

8.7 src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/bpf/ Directory Reference

Directories

- directory net

8.8 src/extern/PF_RING-4.7.0/drivers/broadcom/ Directory Reference

Directories

- directory netxtreme2-5.2.50
- directory tg3

8.9 src/extern/PF_RING-4.7.0/userland/c++/ Directory Reference

Files

- file **pf_test.cpp**
- file **PFring.cpp**
- file **PFring.h**

8.10 src/extern/PF_RING-4.7.0/legacy/kernel/net/core/ Directory Reference

Files

- file **PATCH-1-to-dev.c**
- file **PATCH-2-to-dev.c**
- file **PATCH-3-to-dev.c**
- file **PATCH-4-to-dev.c**

8.11 src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/ Directory Reference

Directories

- directory api
- directory os-daq-modules
- directory sfbpf

8.12 src/disk2vlbi/ Directory Reference

Files

- file **main.cc**

8.13 src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/ Directory Reference

Files

- file **57xx_iscsi_constants_bnx2i.h**
- file **57xx_iscsi_hsi.h**
- file **bnx2i.h**
- file **bnx2i_hwi.c**
- file **bnx2i_init.c**
- file **bnx2i_ioctl.c**
- file **bnx2i_ioctl.h**
- file **bnx2i_iscsi.c**
- file **bnx2i_sysfs.c**

8.14 src/extern/PF_RING-4.7.0/drivers/ Directory Reference

Directories

- directory broadcom
- directory intel
- directory myricom

8.15 src/extern/PF_RING-4.7.0/drivers/intel/e1000/ Directory Reference

Directories

- directory e1000-8.0.30

8.16 src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/ Directory Reference

Directories

- directory src

8.17 src/extern/PF_RING-4.7.0/drivers/intel/e1000e/ Directory Reference

Directories

- directory e1000e-1.3.10a

8.18 src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/ Directory Reference

Directories

- directory src

8.19 src/extern/PF_RING-4.7.0/userland/examples/ Directory Reference

Files

- file **alldevs.c**
- file **dummy_plugin_pfcount.c**
- file **forwarder.c**
- file **interval.c**
- file **pcap2nspcap.c**
- file **pcaps.c**
- file **pcount.c**
- file **pfbounce.c**
- file **pfcount.c**
- file **pfcount_82599.c**
- file **pfcount_bundle.c**
- file **pfcount_dummy_plugin.c**
- file **pfcount_multichannel.c**
- file **pffilter_test.c**
- file **pfmap.c**
- file **pfsend.c**
- file **pfsystest.c**
- file **pftwin.c**
- file **preflect.c**
- file **ptwin.c**
- file **pwrite.c**
- file **ringc.c**
- file **ringm.c**
- file **rings.c**
- file **vdevice_simulator.c**

8.20 src/extern/ Directory Reference

Directories

- directory PF_RING-4.7.0

8.21 src/extern/PF_RING-4.7.0/drivers/myricom/myri10ge-linux.1.5.1/firmware/ Directory Reference

Files

- file **eth_z8e.h**
- file **ethp_z8e.h**
- file mcp_gen_header.h
- file **myri10ge_mcp.h**
- file **rss_eth_z8e.h**
- file **rss_ethp_z8e.h**

8.22 src/extern/PF_RING-4.7.0/drivers/intel/igb/ Directory Reference

Directories

- directory igb-3.0.22

8.23 src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/ Directory Reference

Directories

- directory src

8.24 src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/win32/Include/ Directory Reference

Directories

- directory Arpa
- directory Netinet

Files

- file **errno.h**
- file **getopt.h**
- file **inetprivate.h**
- file **telnet.h**
- file **w32_fzs.h**

8.25 src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/Win32/Include/ Directory Reference

Directories

- directory arpa
- directory net

Files

- file **addrinfo.h**
- file **bittypes.h**
- file **cdecl_ext.h**
- file **Gnuc.h**
- file **inetprivate.h**
- file **ip6_misc.h**
- file **sockstorage.h**

8.26 src/extern/PF_RING-4.7.0/legacy/kernel/include/ Directory Reference

Directories

- directory linux
- directory net

8.27 src/extern/PF_RING-4.7.0/drivers/intel/ Directory Reference

Directories

- directory e1000
- directory e1000e

- directory igb
- directory ixgbe

8.28 src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ Directory Reference

Directories

- directory ixgbe-3.1.15-FlowDirector-NoTNAPI
- directory ixgbe-3.3.9-DNA

8.29 src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/ Directory Reference

Directories

- directory src

8.30 src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/ Directory Reference

Directories

- directory src

8.31 src/extern/PF_RING-4.7.0/legacy/kernel/ Directory Reference

Directories

- directory include
- directory net

Files

- file **ring.c**
- file **ring.h**

8.32   src/extern/PF_RING-4.7.0/kernel/ Directory Reference

Directories

- directory linux
- directory plugins

Files

- file **pf_ring.c**

8.33   src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/lbl/ Directory Reference

Files

- file **os-osf4.h**
- file **os-solaris2.h**
- file **os-sunos4.h**
- file **os-ultrix4.h**

8.34   src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/lbl/ Directory Reference

Files

- file **os-aix4.h**
- file **os-hpux11.h**
- file **os-osf4.h**
- file **os-osf5.h**
- file **os-solaris2.h**
- file **os-sunos4.h**
- file **os-ultrix4.h**

8.35   src/extern/PF_RING-4.7.0/legacy/ Directory Reference

Directories

- directory kernel

8.36 src/extern/PF_RING-4.7.0/userland/lib/ Directory Reference

Files

- file **pfring.c**
- file **pfring.h**
- file **pfring_mod.c**
- file **pfring_mod.h**
- file **pfring_mod_dag.c**
- file **pfring_mod_dag.h**
- file **pfring_mod_dna.c**
- file **pfring_mod_dna.h**
- file **pfring_utils.c**
- file **pfring_utils.h**

8.37 src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/ Directory Reference

Directories

- directory bpf
- directory lbl
- directory missing
- directory msdos
- directory pcap
- directory Win32

Files

- file **arcnet.h**
- file **atmuni31.h**
- file **bpf_dump.c**
- file **bpf_image.c**
- file **dlpisubs.c**
- file **dlpisubs.h**
- file **etherent.c**
- file **ethertype.h**
- file **fad-getad.c**
- file **fad-gifc.c**
- file **fad-glifc.c**
- file **fad-null.c**
- file **fad-sita.c**
- file **fad-win32.c**

- file **filtertest.c**
- file **findalldevstest.c**
- file **gencode.c**
- file **gencode.h**
- file **ieee80211.h**
- file **inet.c**
- file **llc.h**
- file **nametoaddr.c**
- file **nlpid.h**
- file **opentest.c**
- file **optimize.c**
- file **pcap-bpf.c**
- file **pcap-bpf.h**
- file **pcap-bt-linux.c**
- file **pcap-bt-linux.h**
- file **pcap-can-linux.c**
- file **pcap-can-linux.h**
- file **pcap-common.c**
- file **pcap-common.h**
- file **pcap-dag.c**
- file **pcap-dag.h**
- file **pcap-dlpi.c**
- file **pcap-dos.c**
- file **pcap-dos.h**
- file **pcap-enet.c**
- file **pcap-int.h**
- file **pcap-libdlpi.c**
- file **pcap-linux.c**
- file **pcap-namedb.h**
- file **pcap-nit.c**
- file **pcap-null.c**
- file **pcap-pf.c**
- file **pcap-septel.c**
- file **pcap-septel.h**
- file **pcap-sita.c**
- file **pcap-sita.h**
- file **pcap-snf.c**
- file **pcap-snf.h**
- file **pcap-snit.c**
- file **pcap-snoop.c**
- file **pcap-stdinc.h**
- file **pcap-usb-linux.c**
- file **pcap-usb-linux.h**
- file **pcap-win32.c**
- file **pcap.c**
- file **pcap.h**

- file **ppp.h**
- file **savefile.c**
- file **selpolltest.c**
- file **sf-pcap-ng.c**
- file **sf-pcap-ng.h**
- file **sf-pcap.c**
- file **sf-pcap.h**
- file **sunatmpos.h**

8.38 src/extern/PF_RING-4.7.0/legacy/kernel/include/linux/ Directory Reference

Files

- file **ring.h**

8.39 src/extern/PF_RING-4.7.0/kernel/linux/ Directory Reference

Files

- file **pf_ring.h**

8.40 src/extern/PF_RING-4.7.0/drivers/myricom/myri10ge-linux.1.5.1/linux/ Directory Reference

Files

- file **inet_lro.c**
- file **inet_lro.h**
- file **myri10ge.c**
- file **myri10ge_hal.h**
- file **myri10ge_rx_skbs.h**

8.41 src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/missing/ Directory Reference

Files

- file **addrinfo.h**

- file **addrsize.h**
- file **bittypes.h**
- file **datalinks.c**
- file **dlnames.c**
- file **getnameinfo.c**
- file **inet_aton.c**
- file **inet_ntop.c**
- file **inet_pton.c**
- file **resolv6.h**
- file **resolv_ext.h**
- file **snprintf.c**
- file **sockstorage.h**
- file **strdup.c**
- file **strlcat.c**
- file **strlcpy.c**
- file **strsep.c**

8.42 src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/missing/ Directory Reference

Files

- file **snprintf.c**

8.43 src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/msdos/ Directory Reference

Files

- file **bin2c.c**
- file **ndis2.c**
- file **ndis2.h**
- file **pktdrvr.c**
- file **pktdrvr.h**

8.44 src/extern/PF_RING-4.7.0/drivers/myricom/myri10ge-linux.1.5.1/ Directory Reference

Directories

- directory firmware
- directory linux

8.45 src/extern/PF_RING-4.7.0/drivers/myricom/ Directory Reference

Directories

- directory myri10ge-linux.1.5.1

8.46 src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/Win32/Include Directory Reference

Files

- file **if.h**
- file **netdb.h**
- file **paths.h**

8.47 src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/bpf/net/ Directory Reference

Files

- file **bpf_filter.c**

8.48 src/extern/PF_RING-4.7.0/legacy/kernel/include/net/ Directory Reference

Files

- file **PATCH-to-sock.h**

8.49 src/extern/PF_RING-4.7.0/legacy/kernel/net/ Directory Reference

Directories

- directory core
- directory ring

Files

- file **PATCH-to-netsyms.c**

8.50 src/net2disk/ Directory Reference

Files

- file **file_writer.cc**
- file **file_writer.h**
- file **logger.cc**
- file **logger.h**
- file **main.cc**
- file **mark6.h**
- file **net_reader.cc**
- file **net_reader.h**
- file **pfr.cc**
- file **pfr.h**
- file **stats_writer.cc**
- file **stats_writer.h**
- file **test_file_writer.cc**
- file **test_file_writer.h**
- file **test_main.cc**
- file **threaded.h**

8.51 src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/win32/Include/Netinet/ Directory Reference

Files

- file **in_systm.h**
- file **ip.h**

8.52 src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/ Directory Reference

Directories

- directory bnx2-2.0.8b
- directory bnx2i_sles11-2.0.1e-05
- directory bnx2x-1.52.12

8.53 src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/os-daq-modules/ Directory Reference

Files

- file **daq_afpacket.c**
- file **daq_dump.c**
- file **daq_ipfw.c**
- file **daq_ipq.c**
- file **daq_nfq.c**
- file **daq_pcap.c**
- file **daq_pfring.c**
- file **daq_static_modules.c**
- file **daq_static_modules.h**

8.54 src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap/ Directory Reference

Files

- file **bluetooth.h**
- file **bpf.h**
- file **ipnet.h**
- file **namedb.h**
- file **pcap.h**
- file **sll.h**
- file **usb.h**
- file **vlan.h**

8.55 src/extern/PF_RING-4.7.0/ Directory Reference

Directories

- directory drivers
- directory kernel
- directory legacy
- directory userland

8.56 src/extern/PF_RING-4.7.0/legacy/kernel/net/ring/plugins/ Directory Reference

Files

- file **dummy_plugin.c**

8.57 src/extern/PF_RING-4.7.0/kernel/plugins/ Directory Reference

Files

- file **dummy_plugin.c**
- file **dummy_plugin.h**

8.58 src/extern/PF_RING-4.7.0/legacy/kernel/net/ring/ Directory Reference

Directories

- directory plugins

Files

- file **ring_packet.c**

8.59 src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/sfbpf/ Directory Reference

Files

- file **arcnet.h**
- file **atmuni31.h**
- file **bittypes.h**
- file **ethertype.h**
- file **gencode.h**
- file **ieee80211.h**
- file **IP6_misc.h**
- file **ipnet.h**
- file **llc.h**

- file **namedb.h**
- file **nlpid.h**
- file **ppp.h**
- file **sf-redefines.h**
- file **sf_bpf_filter.c**
- file **sf_bpf_printer.c**
- file **sf_gencode.c**
- file **sf_nametoaddr.c**
- file **sf_optimize.c**
- file **sfbpf-int.c**
- file **sfbpf-int.h**
- file **sfbpf.h**
- file **sfbpf_dlt.h**
- file **sll.h**
- file **sunatmpos.h**
- file **win32-stdinc.h**

8.60 src/extern/PF_RING-4.7.0/userland/snort/ Directory Reference

Directories

- directory daq-0.5

8.61 src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/win32/Src/ Directory Reference

Files

- file **getopt.c**

8.62 src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/Win32/Src/ Directory Reference

Files

- file **ffs.c**
- file **gai_strerror.c**
- file **getaddrinfo.c**
- file **getnetbynm.c**
- file **getnetent.c**

- file **getopt.c**
- file **getservent.c**
- file **inet_aton.c**
- file **inet_net.c**
- file **inet_pton.c**

8.63 src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ Directory Reference

Files

- file **ixgbe.h**
- file **ixgbe_82598.c**
- file **ixgbe_82599.c**
- file **ixgbe_api.c**
- file **ixgbe_api.h**
- file **ixgbe_common.c**
- file **ixgbe_common.h**
- file **ixgbe_dcb.c**
- file **ixgbe_dcb.h**
- file **ixgbe_dcb_82598.c**
- file **ixgbe_dcb_82598.h**
- file **ixgbe_dcb_82599.c**
- file **ixgbe_dcb_82599.h**
- file **ixgbe_dcb_nl.c**
- file **ixgbe_dna.c**
- file **ixgbe_ethtool.c**
- file **ixgbe_fcoe.c**
- file **ixgbe_fcoe.h**
- file **ixgbe_main.c**
- file **ixgbe_mbx.c**
- file **ixgbe_mbx.h**
- file **ixgbe_osdep.h**
- file **ixgbe_param.c**
- file **ixgbe_phy.c**
- file **ixgbe_phy.h**
- file **ixgbe_sriov.c**
- file **ixgbe_sriov.h**
- file **ixgbe_sysfs.c**
- file **ixgbe_type.h**
- file **ixgbe_x540.c**
- file **ixgbe_x540.h**
- file **kcompat.c**
- file **kcompat.h**
- file **kcompat_ethtool.c**

8.64 src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ Directory Reference

Files

- file **ixgbe.h**
- file **ixgbe_82598.c**
- file **ixgbe_82599.c**
- file **ixgbe_api.c**
- file **ixgbe_api.h**
- file **ixgbe_common.c**
- file **ixgbe_common.h**
- file **ixgbe_dcb.c**
- file **ixgbe_dcb.h**
- file **ixgbe_dcb_82598.c**
- file **ixgbe_dcb_82598.h**
- file **ixgbe_dcb_82599.c**
- file **ixgbe_dcb_82599.h**
- file **ixgbe_dcb_nl.c**
- file **ixgbe_ethtool.c**
- file **ixgbe_fcoe.c**
- file **ixgbe_fcoe.h**
- file **ixgbe_main.c**
- file **ixgbe_mbx.c**
- file **ixgbe_mbx.h**
- file **ixgbe_osdep.h**
- file **ixgbe_param.c**
- file **ixgbe_phy.c**
- file **ixgbe_phy.h**
- file **ixgbe_sriov.c**
- file **ixgbe_sriov.h**
- file **ixgbe_sysfs.c**
- file **ixgbe_type.h**
- file **ixgbe_x540.c**
- file **kcompat.c**
- file **kcompat.h**
- file **kcompat_ethtool.c**

8.65 src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/ Directory Reference

Files

- file **e1000_82575.c**

- file **e1000_82575.h**
- file **e1000_api.c**
- file **e1000_api.h**
- file **e1000_defines.h**
- file **e1000_hw.h**
- file **e1000_mac.c**
- file **e1000_mac.h**
- file **e1000_manage.c**
- file **e1000_manage.h**
- file **e1000_mbx.c**
- file **e1000_mbx.h**
- file **e1000_nvm.c**
- file **e1000_nvm.h**
- file **e1000_osdep.h**
- file **e1000_phy.c**
- file **e1000_phy.h**
- file **e1000_regs.h**
- file **igb.h**
- file **igb_ethtool.c**
- file **igb_main.c**
- file **igb_param.c**
- file **igb_regtest.h**
- file **igb_vmdq.c**
- file **igb_vmdq.h**
- file **kcompat.c**
- file **kcompat.h**
- file **kcompat_ethtool.c**

8.66 src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/ Directory Reference

Files

- file **80003es2lan.c**
- file **80003es2lan.h**
- file **82571.c**
- file **82571.h**
- file **defines.h**
- file **e1000.h**
- file **ethtool.c**
- file **hw.h**
- file **ich8lan.c**
- file **ich8lan.h**
- file **kcompat.c**
- file **kcompat.h**

- file **kcompat_ethtool.c**
- file **mac.c**
- file **mac.h**
- file **manage.c**
- file **manage.h**
- file **netdev.c**
- file **nvm.c**
- file **nvm.h**
- file **param.c**
- file **phy.c**
- file **phy.h**
- file **regs.h**

8.67 src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/ Directory Reference

Files

- file **e1000.h**
- file **e1000_82540.c**
- file **e1000_82541.c**
- file **e1000_82541.h**
- file **e1000_82542.c**
- file **e1000_82543.c**
- file **e1000_82543.h**
- file **e1000_api.c**
- file **e1000_api.h**
- file **e1000_defines.h**
- file **e1000_ethtool.c**
- file **e1000_hw.h**
- file **e1000_mac.c**
- file **e1000_mac.h**
- file **e1000_main.c**
- file **e1000_manage.c**
- file **e1000_manage.h**
- file **e1000_nvm.c**
- file **e1000_nvm.h**
- file **e1000_osdep.h**
- file **e1000_param.c**
- file **e1000_phy.c**
- file **e1000_phy.h**
- file **e1000_regs.h**
- file **kcompat.c**
- file **kcompat.h**
- file **kcompat_ethtool.c**

8.68   src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/ Directory Reference

Files

- file **bnx2x.h**
- file **bnx2x_compat.h**
- file **bnx2x_dump.h**
- file **bnx2x_fw_defs.h**
- file **bnx2x_fw_file_hdr.h**
- file **bnx2x_hsi.h**
- file **bnx2x_init.h**
- file **bnx2x_init_ops.h**
- file **bnx2x_init_values_e1.c**
- file **bnx2x_init_values_e1h.c**
- file **bnx2x_link.c**
- file **bnx2x_link.h**
- file **bnx2x_main.c**
- file **bnx2x_reg.h**
- file **bnx2x_self_test.h**

8.69   src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/ Directory Reference

Files

- file **bnx2.c**
- file **bnx2.h**
- file **bnx2_fw.h**
- file **bnx2_fw2.h**
- file **cnic.c**
- file **cnic.h**
- file **cnic_defs.h**
- file **cnic_if.h**

8.70   src/ Directory Reference

Directories

- directory disk2vlbi
- directory extern
- directory net2disk

8.71 src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ Directory Reference

Directories

- directory lbl
- directory missing
- directory win32

Files

- file **acconfig.h**
- file **addrtoname.c**
- file **addrtoname.h**
- file **af.c**
- file **af.h**
- file **ah.h**
- file **aodv.h**
- file **appletalk.h**
- file **arcnet.h**
- file **atm.h**
- file **atmuni31.h**
- file **bgp.h**
- file **bootp.h**
- file **bpf_dump.c**
- file **chdlc.h**
- file **checksum.c**
- file **cpack.c**
- file **cpack.h**
- file **dccp.h**
- file **decnet.h**
- file **decode_prefix.h**
- file **enc.h**
- file **esp.h**
- file **ether.h**
- file **ethertype.h**
- file **extract.h**
- file **fddi.h**
- file **forces.h**
- file **gmpls.c**
- file **gmpls.h**
- file **gmt2local.c**
- file **gmt2local.h**
- file **icmp6.h**
- file **ieee802_11.h**

- file **ieee802_11_radio.h**
- file **igrp.h**
- file **interface.h**
- file **ip.h**
- file **ip6.h**
- file **ipfc.h**
- file **ipnet.h**
- file **ipproto.c**
- file **ipproto.h**
- file **ipsec_doi.h**
- file **ipx.h**
- file **isakmp.h**
- file **l2tp.h**
- file **l2vpn.c**
- file **l2vpn.h**
- file **lane.h**
- file **llc.h**
- file **machdep.c**
- file **machdep.h**
- file **mib.h**
- file **mpls.h**
- file **nameser.h**
- file **netbios.h**
- file **netdissect.h**
- file **nfs.h**
- file **nfsfh.h**
- file **nlpid.c**
- file **nlpid.h**
- file **ntp.h**
- file **oakley.h**
- file **ospf.h**
- file **ospf6.h**
- file **oui.c**
- file **oui.h**
- file **parsenfsfh.c**
- file **pcap-missing.h**
- file **pcap_dump_ftell.c**
- file **pmap_prot.h**
- file **ppp.h**
- file **print-802_11.c**
- file **print-ah.c**
- file **print-aodv.c**
- file **print-ap1394.c**
- file **print-arcnet.c**
- file **print-arp.c**
- file **print-ascii.c**

- file **print-atalk.c**
- file **print-atm.c**
- file **print-beep.c**
- file **print-bfd.c**
- file **print-bgp.c**
- file **print-bootp.c**
- file **print-bt.c**
- file **print-cdp.c**
- file **print-cfm.c**
- file **print-chdlc.c**
- file **print-cip.c**
- file **print-cnfp.c**
- file **print-dccp.c**
- file **print-decnet.c**
- file **print-dhcp6.c**
- file **print-domain.c**
- file **print-dtp.c**
- file **print-dvmrp.c**
- file **print-eap.c**
- file **print-egp.c**
- file **print-eigrp.c**
- file **print-enc.c**
- file **print-esp.c**
- file **print-ether.c**
- file **print-fddi.c**
- file **print-forces.c**
- file **print-fr.c**
- file **print-frag6.c**
- file **print-gre.c**
- file **print-hsrp.c**
- file **print-icmp.c**
- file **print-icmp6.c**
- file **print-igmp.c**
- file **print-igrp.c**
- file **print-ip.c**
- file **print-ip6.c**
- file **print-ip6opts.c**
- file **print-ipcomp.c**
- file **print-ipfc.c**
- file **print-ipnet.c**
- file **print-ipx.c**
- file **print-isakmp.c**
- file **print-isoclns.c**
- file **print-juniper.c**
- file **print-krb.c**
- file **print-l2tp.c**

- file **print-lane.c**
- file **print-ldp.c**
- file **print-llc.c**
- file **print-lldp.c**
- file **print-lmp.c**
- file **print-lspping.c**
- file **print-lwapp.c**
- file **print-lwres.c**
- file **print-mobile.c**
- file **print-mobility.c**
- file **print-mpcp.c**
- file **print-mpls.c**
- file **print-msdp.c**
- file **print-netbios.c**
- file **print-nfs.c**
- file **print-ntp.c**
- file **print-null.c**
- file **print-olsr.c**
- file **print-ospf.c**
- file **print-ospf6.c**
- file **print-pflog.c**
- file **print-pgm.c**
- file **print-pim.c**
- file **print-ppp.c**
- file **print-pppoe.c**
- file **print-pptp.c**
- file **print-radius.c**
- file **print-raw.c**
- file **print-rip.c**
- file **print-ripng.c**
- file **print-rrcp.c**
- file **print-rsvp.c**
- file **print-rt6.c**
- file **print-rx.c**
- file **print-sctp.c**
- file **print-sflow.c**
- file **print-sip.c**
- file **print-sl.c**
- file **print-sll.c**
- file **print-slow.c**
- file **print-smb.c**
- file **print-snmp.c**
- file **print-stp.c**
- file **print-sunatm.c**
- file **print-sunrpc.c**
- file **print-symantec.c**

- file **print-syslog.c**
- file **print-tcp.c**
- file **print-telnet.c**
- file **print-tftp.c**
- file **print-timed.c**
- file **print-token.c**
- file **print-udld.c**
- file **print-udp.c**
- file **print-usb.c**
- file **print-vjc.c**
- file **print-vqp.c**
- file **print-vrrp.c**
- file **print-vtp.c**
- file **print-wb.c**
- file **print-zephyr.c**
- file **route6d.h**
- file **rpc_auth.h**
- file **rpc_msg.h**
- file **rx.h**
- file **sctpConstants.h**
- file **sctpHeader.h**
- file **setsignal.c**
- file **setsignal.h**
- file **signature.c**
- file **signature.h**
- file **slcompress.h**
- file **slip.h**
- file **sll.h**
- file **smb.h**
- file **smbutil.c**
- file **strcasecmp.c**
- file **tcp.h**
- file **tcpdump-stdinc.h**
- file **tcpdump.c**
- file **telnet.h**
- file **tftp.h**
- file **timed.h**
- file **token.h**
- file **udp.h**
- file **util.c**
- file **vfprintf.c**

8.72   src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/ Directory Reference

Directories

- directory tg3-3.102
- directory tg3-3.99k

8.73   src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.102/ Directory Reference

Files

- file **tg3.c**
- file **tg3.h**
- file **tg3_compat.h**
- file **tg3_compat2.h**
- file **tg3_firmware.h**

8.74   src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.99k/ Directory Reference

Files

- file **tg3.c**
- file **tg3.h**
- file **tg3_compat.h**
- file **tg3_compat2.h**
- file **tg3_firmware.h**

8.75   src/extern/PF_RING-4.7.0/userland/ Directory Reference

Directories

- directory c++
- directory examples
- directory lib
- directory libpcap-1.1.1-ring
- directory snort
- directory tcpdump-4.1.1

8.76 src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/win32/ Directory Reference

Directories

- directory Include
- directory Src

8.77 src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/Win32/ Directory Reference

Directories

- directory Include
- directory Src

Chapter 9

Class Documentation

9.1 __pfring Struct Reference

Public Attributes

- u_int8_t **initialized**
- u_char **dna_mapped_device**
- u_int16_t **num_rx_pkts_before_dns_sync**
- u_int16_t **num_tx_pkts_before_dns_sync**
- u_int16_t **dna_sync_watermark**
- u_int32_t **tot_dna_read_pkts**
- u_int32_t **rx_reg**
- u_int32_t **tx_reg**
- u_int32_t **last_rx_slot_read**
- dna_device **dna_dev**
- u_int32_t ∗ **rx_reg_ptr**
- u_int32_t ∗ **tx_reg_ptr**
- dna_device_operation **last_dna_operation**
- void ∗ **priv_data**
- void(∗ **close**)(pfring ∗)
- int(∗ **stats**)(pfring ∗, pfring_stat ∗)
- int(∗ **recv**)(pfring ∗, u_char ∗∗, u_int, struct pfring_pkthdr ∗, u_int8_t)
- int(∗ **set_poll_watermark**)(pfring ∗, u_int16_t)
- int(∗ **set_poll_duration**)(pfring ∗, u_int)
- int(∗ **add_hw_rule**)(pfring ∗, hw_filtering_rule ∗)
- int(∗ **remove_hw_rule**)(pfring ∗, u_int16_t)
- int(∗ **set_channel_id**)(pfring ∗, u_int32_t)
- int(∗ **set_application_name**)(pfring ∗, char ∗)
- int(∗ **bind**)(pfring ∗, char ∗)
- int(∗ **send**)(pfring ∗, char ∗, u_int, u_int8_t)
- u_int8_t(∗ **get_num_rx_channels**)(pfring ∗)
- int(∗ **set_sampling_rate**)(pfring ∗, u_int32_t)

- int(∗ **get_selectable_fd**)(pfring ∗)
- int(∗ **set_direction**)(pfring ∗, packet_direction)
- int(∗ **set_cluster**)(pfring ∗, u_int, cluster_type)
- int(∗ **remove_from_cluster**)(pfring ∗)
- int(∗ **set_master_id**)(pfring ∗, u_int32_t)
- int(∗ **set_master**)(pfring ∗, pfring ∗)
- u_int16_t(∗ **get_ring_id**)(pfring ∗)
- u_int32_t(∗ **get_num_queued_pkts**)(pfring ∗)
- u_int8_t(∗ **get_packet_consumer_mode**)(pfring ∗)
- int(∗ **set_packet_consumer_mode**)(pfring ∗, u_int8_t, char ∗, u_int)
- int(∗ **get_hash_filtering_rule_stats**)(pfring ∗, hash_filtering_rule ∗, char ∗, u_-int ∗)
- int(∗ **handle_hash_filtering_rule**)(pfring ∗, hash_filtering_rule ∗, u_char)
- int(∗ **purge_idle_hash_rules**)(pfring ∗, u_int16_t)
- int(∗ **add_filtering_rule**)(pfring ∗, filtering_rule ∗)
- int(∗ **remove_filtering_rule**)(pfring ∗, u_int16_t)
- int(∗ **get_filtering_rule_stats**)(pfring ∗, u_int16_t, char ∗, u_int ∗)
- int(∗ **toggle_filtering_policy**)(pfring ∗, u_int8_t)
- int(∗ **enable_rss_rehash**)(pfring ∗)
- int(∗ **poll**)(pfring ∗, u_int)
- int(∗ **version**)(pfring ∗, u_int32_t ∗)
- int(∗ **get_bound_device_address**)(pfring ∗, u_char[6])
- u_int16_t(∗ **get_slot_header_len**)(pfring ∗)
- int(∗ **set_virtual_device**)(pfring ∗, virtual_filtering_device_info ∗)
- int(∗ **loopback_test**)(pfring ∗, char ∗, u_int, u_int)
- int(∗ **enable_ring**)(pfring ∗)
- int(∗ **disable_ring**)(pfring ∗)
- int(∗ **dna_init**)(pfring ∗)
- void(∗ **dna_term**)(pfring ∗)
- u_int8_t(∗ **dna_check_packet_to_read**)(pfring ∗, u_int8_t)
- u_char ∗(∗ **dna_next_packet**)(pfring ∗, u_char ∗∗, u_int, struct pfring_pkthdr ∗)
- char ∗ **buffer**
- char ∗ **slots**
- char ∗ **device_name**
- u_int32_t **caplen**
- u_int16_t **slot_header_len**
- u_int8_t **kernel_packet_consumer**
- u_int8_t **is_shutting_down**
- int **fd**
- FlowSlotInfo ∗ **slots_info**
- u_int **poll_sleep**
- u_int16_t **poll_duration**
- u_int8_t **promisc**
- u_int8_t **clear_promisc**
- u_int8_t **reentrant**
- u_int8_t **break_recv_loop**
- u_long **num_poll_calls**
- pthread_spinlock_t **spinlock**
- struct sockaddr_ll **sock_tx**

9.1.1 Detailed Description

Definition at line 117 of file pfring.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/lib/pfring.h

9.2 __res_state_ext Struct Reference

Public Attributes

- struct sockaddr_storage **nsaddr_list** [MAXNS]
- struct {
    int **af**
    union {
      struct in_addr **ina**
    } **addr**
    union {
      struct in_addr **ina**
    } **mask**
  } **sort_list** [MAXRESOLVSORT]

9.2.1 Detailed Description

Definition at line 35 of file resolv_ext.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/missing/resolv_ext.h

9.3 _af_packet_entry Struct Reference

Public Attributes

- struct _af_packet_entry ∗ **next**
- union thdr **hdr**
- const uint8_t ∗ **begin**

9.3.1 Detailed Description

Definition at line 62 of file daq_afpacket.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/os-daq-modules/daq_afpacket.c

9.4 _af_packet_instance Struct Reference

Public Attributes

- struct _af_packet_instance ∗ **next**
- unsigned **tp_version**
- unsigned **tp_hdrlen**
- uint32_t **frames_per_block**
- struct tpacket_req **layout**
- AFPacketEntry ∗ **ring**
- AFPacketEntry ∗ **entry**
- void ∗ **buffer**
- char ∗ **name**
- int **index**
- int **fd**
- struct _af_packet_instance ∗ **peer**
- struct sockaddr_ll **sll**

9.4.1 Detailed Description

Definition at line 69 of file daq_afpacket.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/os-daq-modules/daq_afpacket.c

9.5 _afpacket_context Struct Reference

Public Attributes

- char ∗ **device**
- char ∗ **filter**
- int **snaplen**
- int **timeout**
- uint32_t **size**
- int **debug**
- AFPacketInstance ∗ **instances**
- uint32_t **intf_count**
- struct sfbpf_program **fcode**
- volatile int **break_loop**
- DAQ_Stats_t **stats**
- DAQ_State **state**
- char **errbuf** [256]

9.5.1 Detailed Description

Definition at line 86 of file daq_afpacket.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/os-daq-modules/daq_afpacket.c

9.6 _BindingsList Struct Reference

Public Attributes

- WORD **numBindings**
- BYTE **moduleName** [2][16]

9.6.1 Detailed Description

Definition at line 441 of file ndis2.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/msdos/ndis2.h

9.7 _CardHandle Struct Reference

Public Attributes

- BYTE **moduleName** [16]
- CommonChars ∗ **common**

9.7.1 Detailed Description

Definition at line 435 of file ndis2.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/msdos/ndis2.h

9.8 _CommonChars Struct Reference

Public Attributes

- WORD **tableSize**

- BYTE **majorNdisVersion**
- BYTE **minorNdisVersion**
- WORD **reserved1**
- BYTE **majorModuleVersion**
- BYTE **minorModuleVersion**
- DWORD **moduleFlags**
- BYTE **moduleName** [16]
- BYTE **protocolLevelUpper**
- BYTE **interfaceUpper**
- BYTE **protocolLevelLower**
- BYTE **interfaceLower**
- WORD **moduleId**
- WORD **moduleDS**
- SystemRequest **systemRequest**
- BYTE ∗ **serviceChars**
- BYTE ∗ **serviceStatus**
- BYTE ∗ **upperDispatchTable**
- BYTE ∗ **lowerDispatchTable**
- BYTE ∗ **reserved2**
- BYTE ∗ **reserved3**

9.8.1   Detailed Description

Definition at line 237 of file ndis2.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/msdos/ndis2.h

9.9   _daq_config Struct Reference

Public Attributes

- char ∗ **name**
- int **snaplen**
- unsigned **timeout**
- DAQ_Mode **mode**
- uint32_t **flags**
- DAQ_Dict ∗ **values**
- char ∗ **extra**

9.9.1 Detailed Description

Definition at line 117 of file daq_common.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/api/daq_common.h

9.10 _daq_dict_entry Struct Reference

Public Attributes

- char ∗ **key**
- char ∗ **value**
- struct _daq_dict_entry ∗ **next**

9.10.1 Detailed Description

Definition at line 26 of file daq_api.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/api/daq_api.h

9.11 _daq_list_node Struct Reference

Public Attributes

- const DAQ_Module_t ∗ **module**
- void ∗ **dl_handle**
- struct _daq_list_node ∗ **next**

9.11.1 Detailed Description

Definition at line 98 of file daq_base.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/api/daq_base.c

9.12 _daq_module Struct Reference

Public Attributes

- const uint32_t **api_version**

- const uint32_t **module_version**
- const char ∗ **name**
- const uint32_t **type**
- int(∗ **initialize**)(const DAQ_Config_t ∗config, void ∗∗ctxt_ptr, char ∗errbuf, size_t len)
- int(∗ **set_filter**)(void ∗handle, const char ∗filter)
- int(∗ **start**)(void ∗handle)
- int(∗ **acquire**)(void ∗handle, int cnt, DAQ_Analysis_Func_t callback, void ∗user)
- int(∗ **inject**)(void ∗handle, const DAQ_PktHdr_t ∗hdr, const uint8_t ∗packet_-data, uint32_t len, int reverse)
- int(∗ **breakloop**)(void ∗handle)
- int(∗ **stop**)(void ∗handle)
- void(∗ **shutdown**)(void ∗handle)
- DAQ_State(∗ **check_status**)(void ∗handle)
- int(∗ **get_stats**)(void ∗handle, DAQ_Stats_t ∗stats)
- void(∗ **reset_stats**)(void ∗handle)
- int(∗ **get_snaplen**)(void ∗handle)
- uint32_t(∗ **get_capabilities**)(void ∗handle)
- int(∗ **get_datalink_type**)(void ∗handle)
- const char ∗(∗ **get_errbuf**)(void ∗handle)
- void(∗ **set_errbuf**)(void ∗handle, const char ∗string)
- int(∗ **get_device_index**)(void ∗handle, const char ∗device)

9.12.1 Detailed Description

Definition at line 33 of file daq_api.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/api/daq_api.h

9.13 _daq_pkthdr Struct Reference

Public Attributes

- struct timeval **ts**
- uint32_t **caplen**
- uint32_t **pktlen**
- int **device_index**
- uint32_t **flags**

9.13.1 Detailed Description

Definition at line 85 of file daq_common.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/api/daq_common.h

9.14 _daq_stats Struct Reference

Public Attributes

- uint64_t **hw_packets_received**
- uint64_t **hw_packets_dropped**
- uint64_t **packets_received**
- uint64_t **packets_filtered**
- uint64_t **packets_injected**
- uint64_t **verdicts** [MAX_DAQ_VERDICT]

9.14.1 Detailed Description

Definition at line 137 of file daq_common.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/api/daq_common.h

9.15 _EthernetIIHeader Struct Reference

Public Attributes

- [HardwareAddress](#) **etherDestHost**
- [HardwareAddress](#) **etherSrcHost**
- WORD **etherType**

9.15.1 Detailed Description

Definition at line 469 of file ndis2.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/msdos/ndis2.h

9.16 _FailingModules Struct Reference

Public Attributes

- BYTE **upperModuleName** [16]
- BYTE **lowerModuleName** [16]

9.16.1 Detailed Description

Definition at line 447 of file ndis2.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/msdos/ndis2.h

9.17 _FddiHeader Struct Reference

Public Attributes

- BYTE **frameControl**
- HardwareAddress **etherDestHost**
- HardwareAddress **etherSrcHost**

9.17.1 Detailed Description

Definition at line 462 of file ndis2.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/msdos/ndis2.h

9.18 _filtering_hash_bucket Struct Reference

Public Attributes

- hash_filtering_rule **rule**
- void ∗ **plugin_data_ptr**
- u_int16_t **plugin_data_ptr_len**
- struct _filtering_hash_bucket ∗ **next**

9.18.1 Detailed Description

Definition at line 201 of file ring.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/legacy/kernel/include/linux/ring.h
- src/extern/PF_RING-4.7.0/legacy/kernel/ring.h

9.19 _HardwareAddress Union Reference

Public Attributes

- BYTE **bytes** [6]
- WORD **words** [3]
- struct {
    BYTE **bytes** [6]
  } **addr**

9.19.1 Detailed Description

Definition at line 453 of file ndis2.h.

The documentation for this union was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/msdos/ndis2.h

9.20 _Ieee802Dot2SnapHeader Struct Reference

Public Attributes

- BYTE **dsap**
- BYTE **ssap**
- BYTE **control**
- BYTE **protocolId** [5]

9.20.1 Detailed Description

Definition at line 483 of file ndis2.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/msdos/ndis2.h

9.21 _Ieee802Dot5Header Struct Reference

Public Attributes

- HardwareAddress **etherDestHost**
- HardwareAddress **etherSrcHost**
- BYTE **routeInfo** [30]

9.21.1 Detailed Description

Definition at line 476 of file ndis2.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/msdos/ndis2.h

9.22 _iso_rec Struct Reference

Public Attributes

- int32_t **error_count**
- int32_t **numdesc**

9.22.1 Detailed Description

Definition at line 70 of file usb.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap/usb.h

9.23 _kc_ethtool_coalesce Struct Reference

Public Attributes

- u32 **cmd**
- u32 **rx_coalesce_usecs**
- u32 **rx_max_coalesced_frames**
- u32 **rx_coalesce_usecs_irq**
- u32 **rx_max_coalesced_frames_irq**
- u32 **tx_coalesce_usecs**
- u32 **tx_max_coalesced_frames**
- u32 **tx_coalesce_usecs_irq**
- u32 **tx_max_coalesced_frames_irq**

- u32 **stats_block_coalesce_usecs**
- u32 **use_adaptive_rx_coalesce**
- u32 **use_adaptive_tx_coalesce**
- u32 **pkt_rate_low**
- u32 **rx_coalesce_usecs_low**
- u32 **rx_max_coalesced_frames_low**
- u32 **tx_coalesce_usecs_low**
- u32 **tx_max_coalesced_frames_low**
- u32 **pkt_rate_high**
- u32 **rx_coalesce_usecs_high**
- u32 **rx_max_coalesced_frames_high**
- u32 **tx_coalesce_usecs_high**
- u32 **tx_max_coalesced_frames_high**
- u32 **rate_sample_interval**

9.23.1 Detailed Description

Definition at line 521 of file kcompat.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/kcompat.h

9.24 _kc_ethtool_ops Struct Reference

Public Attributes

- int(∗ **get_settings**)(struct net_device ∗, struct ethtool_cmd ∗)
- int(∗ **set_settings**)(struct net_device ∗, struct ethtool_cmd ∗)
- void(∗ **get_drvinfo**)(struct net_device ∗, struct ethtool_drvinfo ∗)
- int(∗ **get_regs_len**)(struct net_device ∗)
- void(∗ **get_regs**)(struct net_device ∗, struct ethtool_regs ∗, void ∗)
- void(∗ **get_wol**)(struct net_device ∗, struct ethtool_wolinfo ∗)
- int(∗ **set_wol**)(struct net_device ∗, struct ethtool_wolinfo ∗)
- u32(∗ **get_msglevel**)(struct net_device ∗)
- void(∗ **set_msglevel**)(struct net_device ∗, u32)
- int(∗ **nway_reset**)(struct net_device ∗)
- u32(∗ **get_link**)(struct net_device ∗)
- int(∗ **get_eeprom_len**)(struct net_device ∗)
- int(∗ **get_eeprom**)(struct net_device ∗, struct ethtool_eeprom ∗, u8 ∗)
- int(∗ **set_eeprom**)(struct net_device ∗, struct ethtool_eeprom ∗, u8 ∗)

- int(∗ **get_coalesce**)(struct net_device ∗, struct ethtool_coalesce ∗)
- int(∗ **set_coalesce**)(struct net_device ∗, struct ethtool_coalesce ∗)
- void(∗ **get_ringparam**)(struct net_device ∗, struct ethtool_ringparam ∗)
- int(∗ **set_ringparam**)(struct net_device ∗, struct ethtool_ringparam ∗)
- void(∗ **get_pauseparam**)(struct net_device ∗, struct ethtool_pauseparam ∗)
- int(∗ **set_pauseparam**)(struct net_device ∗, struct ethtool_pauseparam ∗)
- u32(∗ **get_rx_csum**)(struct net_device ∗)
- int(∗ **set_rx_csum**)(struct net_device ∗, u32)
- u32(∗ **get_tx_csum**)(struct net_device ∗)
- int(∗ **set_tx_csum**)(struct net_device ∗, u32)
- u32(∗ **get_sg**)(struct net_device ∗)
- int(∗ **set_sg**)(struct net_device ∗, u32)
- u32(∗ **get_tso**)(struct net_device ∗)
- int(∗ **set_tso**)(struct net_device ∗, u32)
- int(∗ **self_test_count**)(struct net_device ∗)
- void(∗ **self_test**)(struct net_device ∗, struct ethtool_test ∗, u64 ∗)
- void(∗ **get_strings**)(struct net_device ∗, u32 stringset, u8 ∗)
- int(∗ **phys_id**)(struct net_device ∗, u32)
- int(∗ **get_stats_count**)(struct net_device ∗)
- void(∗ **get_ethtool_stats**)(struct net_device ∗, struct ethtool_stats ∗, u64 ∗)

9.24.1 Detailed Description

Definition at line 70 of file kcompat_ethtool.c.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/kcompat_ethtool.c
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/kcompat_ethtool.c
- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/kcompat_ethtool.c
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/kcompat_-ethtool.c
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/kcompat_ethtool.c

9.25 _kc_ethtool_pauseparam Struct Reference

Public Attributes

- u32 **cmd**
- u32 **autoneg**
- u32 **rx_pause**
- u32 **tx_pause**

9.25.1 Detailed Description

Definition at line 653 of file kcompat.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/kcompat.h

9.26 _kc_ethtool_regs Struct Reference

Public Attributes

- u32 **cmd**
- u32 **version**
- u32 **len**
- u8 **data** [0]

9.26.1 Detailed Description

Definition at line 491 of file kcompat.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/kcompat.h

9.27 _kc_ethtool_ringparam Struct Reference

Public Attributes

- u32 **cmd**
- u32 **rx_max_pending**
- u32 **rx_mini_max_pending**
- u32 **rx_jumbo_max_pending**
- u32 **tx_max_pending**
- u32 **rx_pending**
- u32 **rx_mini_pending**
- u32 **rx_jumbo_pending**
- u32 **tx_pending**

9.27.1   Detailed Description

Definition at line 624 of file kcompat.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/kcompat.h

9.28   _kc_mii_if_info Struct Reference

Public Attributes

- int **phy_id**
- int **advertising**
- int **phy_id_mask**
- int **reg_num_mask**
- unsigned int **full_duplex**: 1
- unsigned int **force_media**: 1
- struct net_device ∗ **dev**
- int(∗ **mdio_read**)(struct net_device ∗dev, int phy_id, int location)
- void(∗ **mdio_write**)(struct net_device ∗dev, int phy_id, int location, int val)

9.28.1   Detailed Description

Definition at line 871 of file kcompat_ethtool.c.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/kcompat_ethtool.c
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/kcompat_ethtool.c
- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/kcompat_ethtool.c
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/kcompat_-
  ethtool.c
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/kcompat_ethtool.c

9.29   _kc_net_dev_ext Struct Reference

Public Attributes

- struct net_device ∗ **dev**
- unsigned int **carrier**

9.29.1 Detailed Description

Definition at line 920 of file kcompat_ethtool.c.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/kcompat_ethtool.c
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/kcompat_ethtool.c
- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/kcompat_ethtool.c
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/kcompat_-ethtool.c
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/kcompat_ethtool.c

9.30 _kc_pci_dev_ext Struct Reference

Public Attributes

- struct pci_dev ∗ **dev**
- void ∗ **pci_drvdata**
- struct pci_driver ∗ **driver**

9.30.1 Detailed Description

Definition at line 914 of file kcompat_ethtool.c.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/kcompat_ethtool.c
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/kcompat_ethtool.c
- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/kcompat_ethtool.c
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/kcompat_-ethtool.c
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/kcompat_ethtool.c

9.31 _kc_vlan_ethhdr Struct Reference

Public Attributes

- unsigned char **h_dest** [ETH_ALEN]
- unsigned char **h_source** [ETH_ALEN]
- __be16 **h_vlan_proto**
- __be16 **h_vlan_TCI**
- __be16 **h_vlan_encapsulated_proto**

9.31.1 Detailed Description

Definition at line 367 of file kcompat.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/kcompat.h

9.32 _kc_vlan_hdr Struct Reference

Public Attributes

- __be16 **h_vlan_TCI**
- __be16 **h_vlan_encapsulated_proto**

9.32.1 Detailed Description

Definition at line 375 of file kcompat.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/kcompat.h

9.33 _MacChars Struct Reference

Public Attributes

- WORD **tableSize**
- BYTE **macName** [16]
- WORD **addressLength**
- BYTE **permanentAddress** [16]
- BYTE **currentAddress** [16]
- DWORD **currentFunctionalAddress**
- MulticastList ∗ **multicastList**
- DWORD **linkSpeed**
- DWORD **serviceFlags**
- WORD **maxFrameSize**

- DWORD **txBufferSize**
- WORD **txBufferAllocSize**
- DWORD **rxBufferSize**
- WORD **rxBufferAllocSize**
- BYTE **ieeeVendor** [3]
- BYTE **vendorAdapter**
- BYTE ∗ **vendorAdapterDescription**
- WORD **interruptLevel**
- WORD **txQueueDepth**
- WORD **maxDataBlocks**

9.33.1 Detailed Description

Definition at line 289 of file ndis2.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/msdos/ndis2.h

9.34 _MacStatusTable Struct Reference

Public Attributes

- WORD **tableSize**
- DWORD **lastDiag**
- DWORD **macStatus**
- WORD **packetFilter**
- BYTE ∗ **mediaSpecificStats**
- DWORD **lastClear**
- DWORD **totalFramesRx**
- DWORD **totalFramesCrc**
- DWORD **totalBytesRx**
- DWORD **totalDiscardBufSpaceRx**
- DWORD **totalMulticastRx**
- DWORD **totalBroadcastRx**
- DWORD **obsolete1** [5]
- DWORD **totalDiscardHwErrorRx**
- DWORD **totalFramesTx**
- DWORD **totalBytesTx**
- DWORD **totalMulticastTx**
- DWORD **totalBroadcastTx**
- DWORD **obsolete2** [2]
- DWORD **totalDiscardTimeoutTx**
- DWORD **totalDiscardHwErrorTx**

9.34.1 Detailed Description

Definition at line 331 of file ndis2.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/msdos/ndis2.h

9.35 _MacUpperDispatch Struct Reference

Public Attributes

- CommonChars ∗ **backPointer**
- Request **request**
- TransmitChain **transmitChain**
- TransferData **transferData**
- ReceiveRelease **receiveRelease**
- IndicationOn **indicationOn**
- IndicationOff **indicationOff**

9.35.1 Detailed Description

Definition at line 320 of file ndis2.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/msdos/ndis2.h

9.36 _MulticastList Struct Reference

Public Attributes

- WORD **maxMulticastAddresses**
- WORD **numberMulticastAddresses**
- BYTE **multicastAddress** [16][16]

9.36.1 Detailed Description

Definition at line 282 of file ndis2.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/msdos/ndis2.h

9.37 **_pcap_bluetooth_h4_header Struct Reference**

Public Attributes

- u_int32_t **direction**

9.37.1 Detailed Description

Definition at line 43 of file bluetooth.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap/bluetooth.h

9.38 **_pcap_context Struct Reference**

Public Attributes

- char ∗ **device**
- char ∗ **file**
- char ∗ **filter_string**
- int **snaplen**
- pcap_t ∗ **handle**
- char **errbuf** [PCAP_ERRBUF_SIZE]
- int **promisc_flag**
- int **timeout**
- int **buffer_size**
- int **packets**
- int **delayed_open**
- DAQ_Analysis_Func_t **analysis_func**
- u_char ∗ **user_data**
- uint32_t **netmask**
- DAQ_Stats_t **stats**
- uint32_t **base_recv**
- uint32_t **base_drop**
- uint64_t **rollover_recv**
- uint64_t **rollover_drop**
- uint32_t **wrap_recv**
- uint32_t **wrap_drop**
- DAQ_State **state**

9.38.1 Detailed Description

Definition at line 44 of file daq_pcap.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/os-daq-modules/daq_pcap.c

9.39 _pfring_context Struct Reference

Public Attributes

- char ∗ **device**
- char ∗ **twin_device**
- char ∗ **filter_string**
- int **snaplen**
- pfring ∗ **ring_handle**
- pfring ∗ **twin_ring_handle**
- char **errbuf** [1024]
- char ∗ **pkt_buffer**
- u_int **breakloop**
- int **promisc_flag**
- int **timeout**
- DAQ_Analysis_Func_t **analysis_func**
- uint32_t **netmask**
- DAQ_Stats_t **stats**
- u_int **clusterid**
- u_int **bindcpu**
- uint32_t **base_recv** [2]
- uint32_t **base_drop** [2]
- DAQ_State **state**

9.39.1 Detailed Description

Definition at line 42 of file daq_pfring.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/os-daq-modules/daq_pfring.c

9.40 _PktBuf Struct Reference

Public Attributes

- struct _PktBuf ∗ **nextLink**

- struct _PktBuf ∗ **prevLink**
- int **handle**
- int **length**
- int **packetLength**
- DWORD **sequence**
- BYTE ∗ **buffer**

9.40.1 Detailed Description

Definition at line 424 of file ndis2.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/msdos/ndis2.h

9.41 _ProtDispatch Struct Reference

Public Attributes

- CommonChars ∗ **backPointer**
- DWORD **flags**
- void(∗ **requestConfirm**)(void)
- void(∗ **transmitConfirm**)(void)
- void(∗ **receiveLookahead**)(void)
- void(∗ **indicationComplete**)(void)
- void(∗ **receiveChain**)(void)
- void(∗ **status**)(void)

9.41.1 Detailed Description

Definition at line 356 of file ndis2.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/msdos/ndis2.h

9.42 _ProtocolChars Struct Reference

Public Attributes

- WORD **length**
- BYTE **name** [16]
- WORD **type**

9.42.1 Detailed Description

Definition at line 313 of file ndis2.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/msdos/ndis2.h

9.43 _ReqBlock Struct Reference

Public Attributes

- WORD **opcode**
- WORD **status**
- BYTE FAR ∗ **pointer1**
- BYTE FAR ∗ **pointer2**
- WORD **word1**

9.43.1 Detailed Description

Definition at line 373 of file ndis2.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/msdos/ndis2.h

9.44 _RxBufDescr Struct Reference

Public Attributes

- WORD **rxDataCount**
- RxBufDescrRec **rxBufDescrRec** [NDIS_RX_BUF_LENGTH]

9.44.1 Detailed Description

Definition at line 418 of file ndis2.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/msdos/ndis2.h

9.45 _RxBufDescrRec Struct Reference

Public Attributes

- WORD **rxDataLen**
- BYTE ∗ **rxDataPtr**

9.45.1 Detailed Description

Definition at line 412 of file ndis2.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/msdos/ndis2.h

9.46 _sw_filtering_hash_bucket Struct Reference

Public Attributes

- hash_filtering_rule **rule**
- void ∗ **plugin_data_ptr**
- u_int16_t **plugin_data_ptr_len**
- struct _sw_filtering_hash_bucket ∗ **next**

9.46.1 Detailed Description

Definition at line 430 of file pf_ring.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/kernel/linux/pf_ring.h

9.47 _TDBufDescr Struct Reference

Public Attributes

- WORD **tDDataCount**
- TDBufDescrRec **tDBufDescrRec** [NDIS_TD_BUF_LENGTH]

9.47.1 Detailed Description

Definition at line 406 of file ndis2.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/msdos/ndis2.h

9.48 _TDBufDescrRec Struct Reference

Public Attributes

- BYTE **tDPtrType**
- BYTE **dummy**
- WORD **tDDataLen**
- BYTE ∗ **tDDataPtr**

9.48.1 Detailed Description

Definition at line 398 of file ndis2.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/msdos/ndis2.h

9.49 _TxBufDescr Struct Reference

Public Attributes

- WORD **txImmedLen**
- BYTE ∗ **txImmedPtr**
- WORD **txDataCount**
- TxBufDescrRec **txBufDescrRec** [NDIS_TX_BUF_LENGTH]

9.49.1 Detailed Description

Definition at line 390 of file ndis2.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/msdos/ndis2.h

9.50 _TxBufDescrRec Struct Reference

Public Attributes

- BYTE **txPtrType**
- BYTE **dummy**
- WORD **txDataLen**
- BYTE ∗ **txDataPtr**

9.50.1 Detailed Description

Definition at line 382 of file ndis2.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/msdos/ndis2.h

9.51 _usb_header Struct Reference

Public Attributes

- u_int64_t **id**
- u_int8_t **event_type**
- u_int8_t **transfer_type**
- u_int8_t **endpoint_number**
- u_int8_t **device_address**
- u_int16_t **bus_id**
- char **setup_flag**
- char **data_flag**
- int64_t **ts_sec**
- int32_t **ts_usec**
- int32_t **status**
- u_int32_t **urb_len**
- u_int32_t **data_len**
- pcap_usb_setup **setup**

9.51.1 Detailed Description

Definition at line 79 of file usb.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap/usb.h

9.52 _usb_header_mmapped Struct Reference

Public Attributes

- u_int64_t **id**
- u_int8_t **event_type**
- u_int8_t **transfer_type**
- u_int8_t **endpoint_number**
- u_int8_t **device_address**
- u_int16_t **bus_id**

- char **setup_flag**
- char **data_flag**
- int64_t **ts_sec**
- int32_t **ts_usec**
- int32_t **status**
- u_int32_t **urb_len**
- u_int32_t **data_len**
- union {
        pcap_usb_setup **setup**
        iso_rec **iso**
  } **s**

- int32_t **interval**
- int32_t **start_frame**
- u_int32_t **xfer_flags**
- u_int32_t **ndesc**

9.52.1 Detailed Description

Definition at line 104 of file usb.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap/usb.h

9.53 _usb_isodesc Struct Reference

Public Attributes

- int32_t **status**
- u_int32_t **offset**
- u_int32_t **len**
- u_int8_t **pad** [4]

9.53.1 Detailed Description

Definition at line 136 of file usb.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap/usb.h

9.54 _usb_setup Struct Reference

Public Attributes

- u_int8_t **bmRequestType**
- u_int8_t **bRequest**
- u_int16_t **wValue**
- u_int16_t **wIndex**
- u_int16_t **wLength**

9.54.1 Detailed Description

Definition at line 59 of file usb.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap/usb.h

9.55 aarp Struct Reference

Public Attributes

- u_int16_t **htype**
- u_int16_t **ptype**
- u_int8_t **halen**
- u_int8_t **palen**
- u_int16_t **op**
- u_int8_t **hsaddr** [6]
- u_int8_t **psaddr** [4]
- u_int8_t **hdaddr** [6]
- u_int8_t **pdaddr** [4]

9.55.1 Detailed Description

Definition at line 56 of file print-atalk.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-atalk.c

9.56 ackmsg Struct Reference

Public Attributes

- byte **ak_flags**

- word **ak_dst**
- word **ak_src**
- word **ak_acknum** [2]

9.56.1 Detailed Description

Definition at line 393 of file decnet.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/decnet.h

9.57 add_to_cluster Struct Reference

Public Attributes

- u_int **clusterId**
- cluster_type **the_type**

9.57.1 Detailed Description

Definition at line 570 of file pf_ring.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/kernel/linux/pf_ring.h

9.58 addrinfo Struct Reference

Public Attributes

- int **ai_flags**
- int **ai_family**
- int **ai_socktype**
- int **ai_protocol**
- size_t **ai_addrlen**
- char ∗ **ai_canonname**
- struct sockaddr ∗ **ai_addr**
- struct addrinfo ∗ **ai_next**

9.58.1 Detailed Description

Definition at line 71 of file addrinfo.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/Win32/Include/addrinfo.h
- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/missing/addrinfo.h

9.59 ah Struct Reference

Public Attributes

- u_int8_t **ah_nxt**
- u_int8_t **ah_len**
- u_int16_t **ah_reserve**
- u_int32_t **ah_spi**

9.59.1 Detailed Description

Definition at line 40 of file ah.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ah.h

9.60 aodv Union Reference

Public Attributes

- struct aodv_rreq **rreq**
- struct aodv_rrep **rrep**
- struct aodv_rerr **rerr**
- struct aodv_rrep_ack **rrep_ack**

9.60.1 Detailed Description

Definition at line 154 of file aodv.h.

The documentation for this union was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/aodv.h

9.61 aodv_ext Struct Reference

Public Attributes

- u_int8_t **type**
- u_int8_t **length**

9.61.1 Detailed Description

Definition at line 177 of file aodv.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/aodv.h

9.62 aodv_hello Struct Reference

Public Attributes

- struct aodv_ext **eh**
- u_int32_t **interval**

9.62.1 Detailed Description

Definition at line 182 of file aodv.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/aodv.h

9.63 aodv_rerr Struct Reference

Public Attributes

- u_int8_t **rerr_type**
- u_int8_t **rerr_flags**
- u_int8_t **rerr_zero0**
- u_int8_t **rerr_dc**
- union {
     struct rerr_unreach **dest** [1]
  } **r**

9.63.1 Detailed Description

Definition at line 132 of file aodv.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/aodv.h

9.64   aodv_rrep Struct Reference

Public Attributes

- u_int8_t **rrep_type**
- u_int8_t **rrep_flags**
- u_int8_t **rrep_ps**
- u_int8_t **rrep_hops**
- u_int32_t **rrep_da**
- u_int32_t **rrep_ds**
- u_int32_t **rrep_oa**
- u_int32_t **rrep_life**

9.64.1   Detailed Description

Definition at line 79 of file aodv.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/aodv.h

9.65   aodv_rrep_ack Struct Reference

Public Attributes

- u_int8_t **ra_type**
- u_int8_t **ra_zero0**

9.65.1   Detailed Description

Definition at line 149 of file aodv.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/aodv.h

9.66 aodv_rreq Struct Reference

Public Attributes

- u_int8_t **rreq_type**
- u_int8_t **rreq_flags**
- u_int8_t **rreq_zero0**
- u_int8_t **rreq_hops**
- u_int32_t **rreq_id**
- u_int32_t **rreq_da**
- u_int32_t **rreq_ds**
- u_int32_t **rreq_oa**
- u_int32_t **rreq_os**

9.66.1 Detailed Description

Definition at line 36 of file aodv.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/aodv.h

9.67 arb_line Struct Reference

Public Attributes

- int **l**
- int **add**
- int **ubound**

9.67.1 Detailed Description

Definition at line 265 of file bnx2x_init_ops.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-init_ops.h

9.68 arc_header Struct Reference

Public Attributes

- u_int8_t **arc_shost**

- u_int8_t **arc_dhost**
- u_int8_t **arc_type**
- u_int8_t **arc_flag**
- u_int16_t **arc_seqid**
- u_int8_t **arc_type2**
- u_int8_t **arc_flag2**
- u_int16_t **arc_seqid2**

9.68.1 Detailed Description

Definition at line 42 of file arcnet.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/arcnet.h

9.69 arc_linux_header Struct Reference

Public Attributes

- u_int8_t **arc_shost**
- u_int8_t **arc_dhost**
- u_int16_t **arc_offset**
- u_int8_t **arc_type**
- u_int8_t **arc_flag**
- u_int16_t **arc_seqid**

9.69.1 Detailed Description

Definition at line 86 of file arcnet.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/arcnet.h

9.70 arp_pkthdr Struct Reference

Public Attributes

- u_short **ar_hrd**
- u_short **ar_pro**
- u_char **ar_hln**
- u_char **ar_pln**
- u_short **ar_op**

9.70.1 Detailed Description

Definition at line 52 of file print-arp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-arp.c

9.71 arth Struct Reference

Public Attributes

- struct block ∗ **b**
- struct slist ∗ **s**
- int **regno**

9.71.1 Detailed Description

Definition at line 258 of file gencode.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/gencode.h
- src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/sfbpf/gencode.h

9.72 atATP Struct Reference

Public Attributes

- u_int8_t **control**
- u_int8_t **bitmap**
- u_int16_t **transID**
- int32_t **userData**

9.72.1 Detailed Description

Definition at line 76 of file appletalk.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/appletalk.h

9.73 atDDP Struct Reference

Public Attributes

- u_int16_t **length**
- u_int16_t **checksum**
- u_int16_t **dstNet**
- u_int16_t **srcNet**
- u_int8_t **dstNode**
- u_int8_t **srcNode**
- u_int8_t **dstSkt**
- u_int8_t **srcSkt**
- u_int8_t **type**

9.73.1 Detailed Description

Definition at line 37 of file appletalk.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/appletalk.h

9.74 atEcho Struct Reference

Public Attributes

- u_int8_t **echoFunction**
- u_int8_t ∗ **echoData**

9.74.1 Detailed Description

Definition at line 97 of file appletalk.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/appletalk.h

9.75 atmarp_pkthdr Struct Reference

Public Attributes

- u_short **aar_hrd**
- u_short **aar_pro**
- u_char **aar_shtl**

- u_char **aar_sstl**
- u_short **aar_op**
- u_char **aar_spln**
- u_char **aar_thtl**
- u_char **aar_tstl**
- u_char **aar_tpln**

9.75.1 Detailed Description

Definition at line 133 of file print-arp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-arp.c

9.76 atNBP Struct Reference

Public Attributes

- u_int8_t **control**
- u_int8_t **id**

9.76.1 Detailed Description

Definition at line 110 of file appletalk.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/appletalk.h

9.77 atNBPtuple Struct Reference

Public Attributes

- u_int16_t **net**
- u_int8_t **node**
- u_int8_t **skt**
- u_int8_t **enumerator**

9.77.1 Detailed Description

Definition at line 115 of file appletalk.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/appletalk.h

9.78 atShortDDP Struct Reference

Public Attributes

- u_int16_t **length**
- u_int8_t **dstSkt**
- u_int8_t **srcSkt**
- u_int8_t **type**

9.78.1 Detailed Description

Definition at line 49 of file appletalk.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/appletalk.h

9.79 atten_def_status_block Struct Reference

Public Attributes

- __le32 **attn_bits**
- __le32 **attn_bits_ack**
- u8 **status_block_id**
- u8 **reserved0**
- __le16 **attn_bits_index**
- __le32 **reserved1**

9.79.1 Detailed Description

Definition at line 1337 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.80 attn_route Struct Reference

Public Attributes

- u32 **sig** [4]

9.80.1 Detailed Description

Definition at line 958 of file bnx2x.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x.h

9.81 attrmap Struct Reference

Public Attributes

- const char ∗ **type**
- u_int **nvalue**
- const char ∗ **value** [30]

9.81.1 Detailed Description

Definition at line 461 of file print-isakmp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-isakmp.c

9.82 attrtype Struct Reference

Public Attributes

- const char ∗ **name**
- const char ∗∗ **subtypes**
- u_char **siz_subtypes**
- u_char **first_subtype**
- void(∗ **print_func**)(register u_char ∗, u_int, u_short)

9.82.1 Detailed Description

Definition at line 336 of file print-radius.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-radius.c

9.83 bd_resc_page Struct Reference

Public Attributes

- struct list_head **link**
- u32 **max_ptrs**
- u32 **num_valid**
- void ∗ **page** [1]

9.83.1 Detailed Description

Definition at line 179 of file bnx2i.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/bnx2i.h

9.84 be Struct Reference

Public Attributes

- u_int32_t **asnlen**
- union {
    caddr_t **raw**
    int32_t **integer**
    u_int32_t **uns**
    const u_char ∗ **str**
    struct {
      u_int32_t **high**
      u_int32_t **low**
    } **uns64**
  } **data**

- u_short **id**
- u_char **form**
- u_char **class**
- u_char **type**

9.84.1 Detailed Description

Definition at line 328 of file print-snmp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-snmp.c

9.85 bfd_auth_header_t Struct Reference

Public Attributes

- u_int8_t **auth_type**
- u_int8_t **auth_len**
- u_int8_t **auth_data**

9.85.1 Detailed Description

Definition at line 98 of file print-bfd.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-bfd.c

9.86 bfd_header_t Struct Reference

Public Attributes

- u_int8_t **version_diag**
- u_int8_t **flags**
- u_int8_t **detect_time_multiplier**
- u_int8_t **length**
- u_int8_t **my_discriminator** [4]
- u_int8_t **your_discriminator** [4]
- u_int8_t **desired_min_tx_interval** [4]
- u_int8_t **required_min_rx_interval** [4]
- u_int8_t **required_min_echo_interval** [4]

9.86.1 Detailed Description

Definition at line 76 of file print-bfd.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-bfd.c

9.87 bgp Struct Reference

Public Attributes

- u_int8_t **bgp_marker** [16]
- u_int16_t **bgp_len**
- u_int8_t **bgp_type**

9.87.1 Detailed Description

Definition at line 55 of file print-bgp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-bgp.c

9.88 bgp_attr Struct Reference

Public Attributes

- u_int8_t **bgpa_flags**
- u_int8_t **bgpa_type**
- union {
    u_int8_t **len**
    u_int16_t **elen**
  } **bgpa_len**

9.88.1 Detailed Description

Definition at line 118 of file print-bgp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-bgp.c

9.89 bgp_notification Struct Reference

Public Attributes

- u_int8_t **bgpn_marker** [16]
- u_int16_t **bgpn_len**
- u_int8_t **bgpn_type**
- u_int8_t **bgpn_major**
- u_int8_t **bgpn_minor**

9.89.1 Detailed Description

Definition at line 99 of file print-bgp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-bgp.c

9.90 bgp_open Struct Reference

Public Attributes

- u_int8_t **bgpo_marker** [16]
- u_int16_t **bgpo_len**
- u_int8_t **bgpo_type**
- u_int8_t **bgpo_version**
- u_int16_t **bgpo_myas**
- u_int16_t **bgpo_holdtime**
- u_int32_t **bgpo_id**
- u_int8_t **bgpo_optlen**

9.90.1 Detailed Description

Definition at line 77 of file print-bgp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-bgp.c

9.91 bgp_opt Struct Reference

Public Attributes

- u_int8_t **bgpopt_type**
- u_int8_t **bgpopt_len**

9.91.1 Detailed Description

Definition at line 90 of file print-bgp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-bgp.c

9.92 bgp_route_refresh Struct Reference

Public Attributes

- u_int8_t **bgp_marker** [16]
- u_int16_t **len**
- u_int8_t **type**
- u_int8_t **afi** [2]

- u_int8_t **res**
- u_int8_t **safi**

9.92.1 Detailed Description

Definition at line 108 of file print-bgp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-bgp.c

9.93 block Struct Reference

Public Attributes

- int **id**
- struct slist ∗ **stmts**
- struct stmt **s**
- int **mark**
- int **longjt**
- int **longjf**
- int **level**
- int **offset**
- int **sense**
- struct edge **et**
- struct edge **ef**
- struct block ∗ **head**
- struct block ∗ **link**
- uset **dom**
- uset **closure**
- struct edge ∗ **in_edges**
- atomset **def**
- atomset **kill**
- atomset **in_use**
- atomset **out_use**
- int **oval**
- int **val** [N_ATOMS]

9.93.1 Detailed Description

Definition at line 234 of file gencode.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/gencode.h
- src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/sfbpf/gencode.h

9.94 block_cursor Struct Reference

Public Attributes

- u_char ∗ **data**
- size_t **data_remaining**
- bpf_u_int32 **block_type**

9.94.1 Detailed Description

Definition at line 198 of file sf-pcap-ng.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/sf-pcap-ng.c

9.95 block_header Struct Reference

Public Attributes

- bpf_u_int32 **block_type**
- bpf_u_int32 **total_length**

9.95.1 Detailed Description

Definition at line 70 of file sf-pcap-ng.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/sf-pcap-ng.c

9.96 block_trailer Struct Reference

Public Attributes

- bpf_u_int32 **total_length**

9.96.1 Detailed Description

Definition at line 78 of file sf-pcap-ng.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/sf-pcap-ng.c

9.97 bmac_stats Struct Reference

Public Attributes

- u32 **tx_stat_gtpkt_lo**
- u32 **tx_stat_gtpkt_hi**
- u32 **tx_stat_gtxpf_lo**
- u32 **tx_stat_gtxpf_hi**
- u32 **tx_stat_gtfcs_lo**
- u32 **tx_stat_gtfcs_hi**
- u32 **tx_stat_gtmca_lo**
- u32 **tx_stat_gtmca_hi**
- u32 **tx_stat_gtbca_lo**
- u32 **tx_stat_gtbca_hi**
- u32 **tx_stat_gtfrg_lo**
- u32 **tx_stat_gtfrg_hi**
- u32 **tx_stat_gtovr_lo**
- u32 **tx_stat_gtovr_hi**
- u32 **tx_stat_gt64_lo**
- u32 **tx_stat_gt64_hi**
- u32 **tx_stat_gt127_lo**
- u32 **tx_stat_gt127_hi**
- u32 **tx_stat_gt255_lo**
- u32 **tx_stat_gt255_hi**
- u32 **tx_stat_gt511_lo**
- u32 **tx_stat_gt511_hi**
- u32 **tx_stat_gt1023_lo**
- u32 **tx_stat_gt1023_hi**
- u32 **tx_stat_gt1518_lo**
- u32 **tx_stat_gt1518_hi**
- u32 **tx_stat_gt2047_lo**
- u32 **tx_stat_gt2047_hi**
- u32 **tx_stat_gt4095_lo**
- u32 **tx_stat_gt4095_hi**
- u32 **tx_stat_gt9216_lo**
- u32 **tx_stat_gt9216_hi**
- u32 **tx_stat_gt16383_lo**
- u32 **tx_stat_gt16383_hi**
- u32 **tx_stat_gtmax_lo**
- u32 **tx_stat_gtmax_hi**
- u32 **tx_stat_gtufl_lo**
- u32 **tx_stat_gtufl_hi**
- u32 **tx_stat_gterr_lo**
- u32 **tx_stat_gterr_hi**
- u32 **tx_stat_gtbyt_lo**
- u32 **tx_stat_gtbyt_hi**

- u32 **rx_stat_gr64_lo**
- u32 **rx_stat_gr64_hi**
- u32 **rx_stat_gr127_lo**
- u32 **rx_stat_gr127_hi**
- u32 **rx_stat_gr255_lo**
- u32 **rx_stat_gr255_hi**
- u32 **rx_stat_gr511_lo**
- u32 **rx_stat_gr511_hi**
- u32 **rx_stat_gr1023_lo**
- u32 **rx_stat_gr1023_hi**
- u32 **rx_stat_gr1518_lo**
- u32 **rx_stat_gr1518_hi**
- u32 **rx_stat_gr2047_lo**
- u32 **rx_stat_gr2047_hi**
- u32 **rx_stat_gr4095_lo**
- u32 **rx_stat_gr4095_hi**
- u32 **rx_stat_gr9216_lo**
- u32 **rx_stat_gr9216_hi**
- u32 **rx_stat_gr16383_lo**
- u32 **rx_stat_gr16383_hi**
- u32 **rx_stat_grmax_lo**
- u32 **rx_stat_grmax_hi**
- u32 **rx_stat_grpkt_lo**
- u32 **rx_stat_grpkt_hi**
- u32 **rx_stat_grfcs_lo**
- u32 **rx_stat_grfcs_hi**
- u32 **rx_stat_grmca_lo**
- u32 **rx_stat_grmca_hi**
- u32 **rx_stat_grbca_lo**
- u32 **rx_stat_grbca_hi**
- u32 **rx_stat_grxcf_lo**
- u32 **rx_stat_grxcf_hi**
- u32 **rx_stat_grxpf_lo**
- u32 **rx_stat_grxpf_hi**
- u32 **rx_stat_grxuo_lo**
- u32 **rx_stat_grxuo_hi**
- u32 **rx_stat_grjbr_lo**
- u32 **rx_stat_grjbr_hi**
- u32 **rx_stat_grovr_lo**
- u32 **rx_stat_grovr_hi**
- u32 **rx_stat_grflr_lo**
- u32 **rx_stat_grflr_hi**
- u32 **rx_stat_grmeg_lo**
- u32 **rx_stat_grmeg_hi**
- u32 **rx_stat_grmeb_lo**
- u32 **rx_stat_grmeb_hi**

- u32 **rx_stat_grbyt_lo**
- u32 **rx_stat_grbyt_hi**
- u32 **rx_stat_grund_lo**
- u32 **rx_stat_grund_hi**
- u32 **rx_stat_grfrg_lo**
- u32 **rx_stat_grfrg_hi**
- u32 **rx_stat_grerb_lo**
- u32 **rx_stat_grerb_hi**
- u32 **rx_stat_grfre_lo**
- u32 **rx_stat_grfre_hi**
- u32 **rx_stat_gripj_lo**
- u32 **rx_stat_gripj_hi**

9.97.1 Detailed Description

Definition at line 1046 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.98 bnx2 Struct Reference

Public Attributes

- void __iomem ∗ **regview**
- struct net_device ∗ **dev**
- struct pci_dev ∗ **pdev**
- atomic_t **intr_sem**
- u32 **flags**
- struct bnx2_napi **bnx2_napi** [BNX2_MAX_MSIX_VEC]
- u32 **rx_buf_use_size**
- u32 **rx_buf_size**
- u32 **rx_copy_thresh**
- u32 **rx_jumbo_thresh**
- u32 **rx_max_ring_idx**
- u32 **rx_max_pg_ring_idx**
- u32 **rx_csum**
- int **tx_ring_size**
- u32 **tx_wake_thresh**
- struct cnic_ops ∗ **cnic_ops**
- void ∗ **cnic_data**
- unsigned int **current_interval**
- struct timer_list **timer**

- struct tq_struct **reset_task**
- spinlock_t **phy_lock**
- spinlock_t **indirect_lock**
- u32 **phy_flags**
- u32 **mii_bmcr**
- u32 **mii_bmsr**
- u32 **mii_bmsr1**
- u32 **mii_adv**
- u32 **mii_lpa**
- u32 **mii_up1**
- u32 **chip_id**
- u32 **phy_addr**
- u32 **phy_id**
- u16 **bus_speed_mhz**
- u8 **wol**
- u8 **index**
- u16 **fw_wr_seq**
- u16 **fw_drv_pulse_wr_seq**
- int **rx_max_ring**
- int **rx_ring_size**
- int **rx_max_pg_ring**
- int **rx_pg_ring_size**
- u16 **tx_quick_cons_trip**
- u16 **tx_quick_cons_trip_int**
- u16 **rx_quick_cons_trip**
- u16 **rx_quick_cons_trip_int**
- u16 **comp_prod_trip**
- u16 **comp_prod_trip_int**
- u16 **tx_ticks**
- u16 **tx_ticks_int**
- u16 **com_ticks**
- u16 **com_ticks_int**
- u16 **cmd_ticks**
- u16 **cmd_ticks_int**
- u16 **rx_ticks**
- u16 **rx_ticks_int**
- u32 **stats_ticks**
- dma_addr_t **status_blk_mapping**
- struct statistics_block ∗ **stats_blk**
- dma_addr_t **stats_blk_mapping**
- int **ctx_pages**
- void ∗ **ctx_blk** [4]
- dma_addr_t **ctx_blk_mapping** [4]
- u32 **hc_cmd**
- u32 **rx_mode**
- u16 **req_line_speed**

- u8 **req_duplex**
- u8 **phy_port**
- u8 **link_up**
- u16 **line_speed**
- u8 **duplex**
- u8 **flow_ctrl**
- u32 **advertising**
- u8 **req_flow_ctrl**
- u8 **autoneg**
- u8 **loopback**
- u8 **serdes_an_pending**
- u8 **mac_addr** [8]
- u32 **shmem_base**
- char **fw_version** [32]
- int **pm_cap**
- int **pcix_cap**
- struct net_device_stats **net_stats**
- struct flash_spec ∗ **flash_info**
- u32 **flash_size**
- int **status_stats_size**
- struct z_stream_s ∗ **strm**
- void ∗ **gunzip_buf**
- struct bnx2_irq **irq_tbl** [BNX2_MAX_MSIX_VEC]
- int **irq_nvecs**
- u8 **num_tx_rings**
- u8 **num_rx_rings**
- u32 **idle_chk_status_idx**
- u8 **reset_failed**

9.98.1 Detailed Description

Definition at line 7662 of file bnx2.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/bnx2.h

9.99 bnx2_irq Struct Reference

Public Attributes

- irqreturn_t(∗ **handler**)(int, void ∗, struct pt_regs ∗)
- unsigned int **vector**
- u8 **requested**
- char **name** [16]

9.99.1 Detailed Description

Definition at line 7556 of file bnx2.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/bnx2.h

9.100 bnx2_napi Struct Reference

Public Attributes

- struct [bnx2](#) ∗ **bp**
- union {
    struct [status_block](#) ∗ **msi**
    struct [status_block_msix](#) ∗ **msix**
  } **status_blk**

- volatile u16 ∗ **hw_tx_cons_ptr**
- volatile u16 ∗ **hw_rx_cons_ptr**
- u32 **last_status_idx**
- u32 **int_num**
- u32 **cnic_tag**
- int **cnic_present**
- struct [bnx2_rx_ring_info](#) **rx_ring**
- struct [bnx2_tx_ring_info](#) **tx_ring**

9.100.1 Detailed Description

Definition at line 7603 of file bnx2.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/bnx2.h

9.101 bnx2_rx_ring_info Struct Reference

Public Attributes

- u32 **rx_prod_bseq**
- u16 **rx_prod**
- u16 **rx_cons**
- u32 **rx_bidx_addr**
- u32 **rx_bseq_addr**
- u32 **rx_pg_bidx_addr**

- u16 **rx_pg_prod**
- u16 **rx_pg_cons**
- struct sw_bd ∗ **rx_buf_ring**
- struct rx_bd ∗ **rx_desc_ring** [MAX_RX_RINGS]
- struct sw_pg ∗ **rx_pg_ring**
- struct rx_bd ∗ **rx_pg_desc_ring** [MAX_RX_PG_RINGS]
- dma_addr_t **rx_desc_mapping** [MAX_RX_RINGS]
- dma_addr_t **rx_pg_desc_mapping** [MAX_RX_PG_RINGS]

9.101.1 Detailed Description

Definition at line 7582 of file bnx2.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/bnx2.h

9.102 bnx2_tx_ring_info Struct Reference

Public Attributes

- u32 **tx_prod_bseq**
- u16 **tx_prod**
- u32 **tx_bidx_addr**
- u32 **tx_bseq_addr**
- struct tx_bd ∗ **tx_desc_ring**
- struct sw_tx_bd ∗ **tx_buf_ring**
- u16 **tx_cons**
- u16 **hw_tx_cons**
- dma_addr_t **tx_desc_mapping**

9.102.1 Detailed Description

Definition at line 7567 of file bnx2.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/bnx2.h

9.103 bnx2i_5771x_cq_db Struct Reference

Public Attributes

- struct bnx2x_iscsi_cq_pend_cmpl **qp_pend_cmpl** [BNX2X_MAX_CQS]

- u16 **itt** [BNX2X_MAX_CQS]
- u16 **sqn** [BNX2X_MAX_CQS]
- u32 **reserved** [4]

9.103.1 Detailed Description

Definition at line 465 of file bnx2i.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/bnx2i.h

9.104 bnx2i_5771x_dbell Struct Reference

Public Attributes

- struct bnx2i_5771x_dbell_hdr **dbell**
- u8 **pad** [3]

9.104.1 Detailed Description

Definition at line 497 of file bnx2i.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/bnx2i.h

9.105 bnx2i_5771x_dbell_hdr Struct Reference

Public Attributes

- u8 **header**

9.105.1 Detailed Description

Definition at line 481 of file bnx2i.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/bnx2i.h

9.106 bnx2i_5771x_sq_rq_db Struct Reference

Public Attributes

- u16 **prod_idx**
- u8 **reserved0** [14]

9.106.1 Detailed Description

Definition at line 475 of file bnx2i.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/bnx2i.h

9.107 bnx2i_async_msg Struct Reference

Public Attributes

- u32 **reserved2**
- u32 **exp_cmd_sn**
- u32 **max_cmd_sn**
- u32 **reserved3** [2]
- u32 **reserved6**
- u32 **lun** [2]
- u32 **reserved7** [3]
- u32 **cq_req_sn**

9.107.1 Detailed Description

Definition at line 17 of file 57xx_iscsi_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/57xx_iscsi_hsi.h

9.108 bnx2i_cleanup_request Struct Reference

Public Attributes

- u32 **reserved2** [3]
- u32 **reserved4** [10]

9.108.1   Detailed Description

Definition at line 105 of file 57xx_iscsi_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/57xx_iscsi_hsi.h

9.109   bnx2i_cleanup_response Struct Reference

Public Attributes

- u32 **reserved1** [3]
- u32 **reserved2** [2]
- u32 **reserved5** [7]
- u32 **cq_req_sn**

9.109.1   Detailed Description

Definition at line 147 of file 57xx_iscsi_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/57xx_iscsi_hsi.h

9.110   bnx2i_cmd Struct Reference

```
#include <bnx2i.h>
```

Public Attributes

- struct iscsi_hdr **hdr**
- struct bnx2i_conn ∗ **conn**
- struct scsi_cmnd ∗ **scsi_cmd**
- struct scatterlist ∗ **sg**
- struct io_bdt **io_tbl**
- dma_addr_t **bd_tbl_dma**
- struct bnx2i_cmd_request **req**

9.110.1 Detailed Description

bnx2i_cmd - iscsi command structure

: SCSI-ML task pointer corresponding to this iscsi cmd : SG list : buffer descriptor (BD) table : buffer descriptor (BD) table's dma address

Definition at line 211 of file bnx2i.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/bnx2i.h

9.111 bnx2i_cmd_request Struct Reference

Public Attributes

- u32 **lun** [2]
- u32 **total_data_transfer_length**
- u32 **cmd_sn**
- u32 **reserved3**
- u32 **cdb** [4]
- u32 **zero_fill**
- u32 **bd_list_addr_lo**
- u32 **bd_list_addr_hi**

9.111.1 Detailed Description

Definition at line 191 of file 57xx_iscsi_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/57xx_iscsi_hsi.h

9.112 bnx2i_cmd_resp_task_stat Union Reference

Public Attributes

- struct bnx2i_write_resp_task_stat **write_stat**
- struct bnx2i_read_resp_task_stat **read_stat**

9.112.1 Detailed Description

Definition at line 288 of file 57xx_iscsi_hsi.h.

The documentation for this union was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/57xx_iscsi_hsi.h

9.113 bnx2i_cmd_response Struct Reference

Public Attributes

- u32 **data_length**
- u32 **exp_cmd_sn**
- u32 **max_cmd_sn**
- u32 **reserved2**
- u32 **residual_count**
- u32 **reserved5** [5]
- union bnx2i_cmd_resp_task_stat **task_stat**
- u32 **reserved6**
- u32 **cq_req_sn**

9.113.1 Detailed Description

Definition at line 296 of file 57xx_iscsi_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/57xx_iscsi_hsi.h

9.114 bnx2i_conn Struct Reference

```
#include <bnx2i.h>
```

Public Attributes

- struct iscsi_cls_conn ∗ **cls_conn**
- struct bnx2i_hba ∗ **hba**
- struct completion **cmd_cleanup_cmpl**
- int **is_bound**
- u32 **exp_statsn**
- u32 **iscsi_conn_cid**

- u32 **fw_cid**
- struct timer_list **poll_timer**
- struct bnx2i_endpoint ∗ **ep**
- struct generic_pdu_resc **gen_pdu**
- u64 **violation_notified**

9.114.1 Detailed Description

struct bnx2i_conn - iscsi connection structure

: pointer to iscsi cls conn : adapter structure pointer : iscsi expected statsn : iscsi conn id : firmware iscsi context id : endpoint structure pointer : login/nopout/logout pdu resources : bit mask used to track iscsi error/warning messages already printed out

iSCSI connection structure

Definition at line 237 of file bnx2i.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/bnx2i.h

9.115 bnx2i_endpoint Struct Reference

```
#include <bnx2i.h>
```

Public Attributes

- struct list_head **link**
- struct bnx2i_hba ∗ **hba**
- struct bnx2i_conn ∗ **conn**
- struct cnic_sock ∗ **cm_sk**
- u16 **tcp_port**
- u32 **hba_age**
- u32 **state**
- unsigned long **timestamp**
- int **num_active_cmds**
- struct qp_info **qp**
- struct ep_handles **ids**
- struct timer_list **ofld_timer**
- wait_queue_head_t **ofld_wait**

9.115.1 Detailed Description

struct bnx2i_endpoint - representation of tcp connection in NX2 world

list head to link elements : adapter to which this connection belongs : iscsi connection this EP is linked to : iscsi session this EP is linked to : cnic sock struct : age to detect if 'iscsid' issues ep_disconnect() after HBA reset is completed by bnx2i/cnic/bnx2 modules : tracks offload connection state machine : indicates if conn teardown is abortive or orderly : QP information : contains chip allocated *context id* & driver assigned *iscsi cid* : offload timer to detect timeout : wait queue

Endpoint Structure - equivalent of tcp socket structure

Definition at line 671 of file bnx2i.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/bnx2i.h

9.116 bnx2i_fw_mp_request Struct Reference

Public Attributes

- u32 **data_length**
- u32 **hdr_opaque2** [2]
- u32 **hdr_opaque3** [4]
- u32 **resp_bd_list_addr_lo**
- u32 **resp_bd_list_addr_hi**
- u32 **resp_buffer**
- u32 **bd_list_addr_lo**
- u32 **bd_list_addr_hi**

9.116.1 Detailed Description

Definition at line 372 of file 57xx_iscsi_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/57xx_iscsi_hsi.h

9.117 bnx2i_fw_response Struct Reference

Public Attributes

- u32 **hdr_dword1** [2]

- u32 **hdr_exp_cmd_sn**
- u32 **hdr_max_cmd_sn**
- u32 **hdr_ttt**
- u32 **hdr_res_cnt**
- u32 **cqe_flags**
- u32 **stat_sn**
- u32 **hdr_dword2** [2]
- u32 **hdr_dword3** [2]
- u32 **task_stat**
- u32 **reserved0**
- u32 **hdr_itt**
- u32 **cq_req_sn**

9.117.1 Detailed Description

Definition at line 451 of file 57xx_iscsi_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/57xx_iscsi_hsi.h

9.118 bnx2i_get_port_count Struct Reference

Public Attributes

- struct [bnx2i_ioctl_header](#) **hdr**
- unsigned int **port_count**

9.118.1 Detailed Description

Definition at line 29 of file bnx2i_ioctl.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/bnx2i_ioctl.h

9.119 bnx2i_hba Struct Reference

```
#include <bnx2i.h>
```

Public Attributes

- struct list_head **link**
- struct cnic_dev ∗ **cnic**
- struct pci_dev ∗ **pcidev**
- struct net_device ∗ **netdev**
- void __iomem ∗ **regview**
- u32 **age**
- unsigned long **cnic_dev_type**
- u32 **mail_queue_access**
- unsigned long **reg_with_cnic**
- unsigned long **adapter_state**
- unsigned int **mtu_supported**
- struct Scsi_Host ∗ **shost**
- char **mac_addr** [6]
- u32 **max_sqes**
- u32 **max_rqes**
- u32 **max_cqes**
- u32 **num_ccell**
- int **ofld_conns_active**
- int **max_active_conns**
- struct iscsi_cid_queue **cid_que**
- rwlock_t **ep_rdwr_lock**
- struct list_head **ep_ofld_list**
- struct list_head **ep_destroy_list**
- char ∗ **mp_bd_tbl**
- dma_addr_t **mp_bd_dma**
- char ∗ **dummy_buffer**
- dma_addr_t **dummy_buf_dma**
- spinlock_t **lock**
- struct mutex **net_dev_lock**
- u16 **pci_did**
- u16 **pci_vid**
- u16 **pci_sdid**
- u16 **pci_svid**
- u16 **pci_func**
- u16 **pci_devno**
- u32 **num_wqe_sent**
- u32 **num_cqe_rcvd**
- u32 **num_intr_claimed**
- u32 **link_changed_count**
- u32 **ipaddr_changed_count**
- u32 **num_sess_opened**
- u32 **num_conn_opened**
- unsigned int **ctx_ccell_tasks**

9.119.1 Detailed Description

struct bnx2i_hba - bnx2i adapter structure

list head to link elements : pointer to cnic device : pointer to pci dev : pointer to netdev structure : mapped PCI register space : age, incremented by every recovery : cnic device type, 5706/5708/5709/57710 : mailbox queue access mode, applicable to 5709 only : indicates whether the device is register with CNIC : adapter state, UP, GOING_-DOWN, LINK_DOWN : Ethernet MTU supported : scsi host pointer : SQ size : RQ size : CQ size : number of command cells per connection : active connection list : max offload connections supported by this device : iscsi cid queue : read / write lock to synchronize various ep lists : connection list for pending offload completion : connection list for pending offload completion : BD table to be used with middle path requests : DMA address of 'mp_bd_tbl' memory buffer : Dummy buffer to be used with zero length scsicmd reqs : DMA address of 'dummy_buffer' memory buffer : lock to synchonize access to hba structure : MAC address : PCI device ID : PCI vendor ID : PCI subsystem device ID : PCI subsystem vendor ID : PCI function number in system pci tree : PCI device number in system pci tree : statistic counter, total wqe's sent : statistic counter, total cqe's received : statistic counter, total interrupts claimed : statistic counter, num of link change notifications received : statistic counter, num times IP address changed while at least one connection is offloaded : statistic counter, total num sessions opened : statistic counter, total num conns opened on this hba : captures number of ccells and tasks supported by currently offloaded connection, used to decode context memory

Adapter Data Structure

Definition at line 338 of file bnx2i.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/bnx2i.h

9.120   bnx2i_ioctl_header Struct Reference

Public Attributes

- char **signature** [MAX_SIG_SIZE]
- char **xport_name** [MAX_XPORT_NAME]
- char **dev_name** [MAX_DEV_NAME_SIZE]

9.120.1   Detailed Description

Definition at line 22 of file bnx2i_ioctl.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/bnx2i_ioctl.h

9.121 bnx2i_login_request Struct Reference

Public Attributes

- u32 **data_length**
- u32 **isid_lo**
- u32 **cmd_sn**
- u32 **exp_stat_sn**
- u32 **reserved4**
- u32 **resp_bd_list_addr_lo**
- u32 **resp_bd_list_addr_hi**
- u32 **resp_buffer**
- u32 **bd_list_addr_lo**
- u32 **bd_list_addr_hi**

9.121.1 Detailed Description

Definition at line 765 of file 57xx_iscsi_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/57xx_iscsi_hsi.h

9.122 bnx2i_login_response Struct Reference

Public Attributes

- u32 **data_length**
- u32 **exp_cmd_sn**
- u32 **max_cmd_sn**
- u32 **reserved1** [2]
- u32 **stat_sn**
- u32 **isid_lo**
- u32 **reserved5** [3]
- u32 **cq_req_sn**

9.122.1 Detailed Description

Definition at line 878 of file 57xx_iscsi_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/57xx_iscsi_hsi.h

9.123 bnx2i_logout_request Struct Reference

Public Attributes

- u32 **data_length**
- u32 **reserved1** [2]
- u32 **cmd_sn**
- u32 **reserved4** [5]
- u32 **zero_fill**
- u32 **bd_list_addr_lo**
- u32 **bd_list_addr_hi**

9.123.1 Detailed Description

Definition at line 964 of file 57xx_iscsi_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/57xx_iscsi_hsi.h

9.124 bnx2i_logout_response Struct Reference

Public Attributes

- u32 **reserved2**
- u32 **exp_cmd_sn**
- u32 **max_cmd_sn**
- u32 **reserved3** [2]
- u32 **reserved6** [3]
- u32 **reserved7** [3]
- u32 **cq_req_sn**

9.124.1 Detailed Description

Definition at line 1028 of file 57xx_iscsi_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/57xx_iscsi_hsi.h

9.125 bnx2i_nop_in_msg Struct Reference

Public Attributes

- u32 **data_length**
- u32 **exp_cmd_sn**
- u32 **max_cmd_sn**
- u32 **ttt**
- u32 **reserved2**
- u32 **reserved5**
- u32 **lun** [2]
- u32 **reserved6** [4]
- u32 **cq_req_sn**

9.125.1 Detailed Description

Definition at line 1084 of file 57xx_iscsi_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/57xx_iscsi_hsi.h

9.126 bnx2i_nop_out_request Struct Reference

Public Attributes

- u32 **data_length**
- u32 **lun** [2]
- u32 **ttt**
- u32 **cmd_sn**
- u32 **reserved3** [2]
- u32 **resp_bd_list_addr_lo**
- u32 **resp_bd_list_addr_hi**
- u32 **resp_buffer**
- u32 **bd_list_addr_lo**
- u32 **bd_list_addr_hi**

9.126.1 Detailed Description

Definition at line 1133 of file 57xx_iscsi_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/57xx_iscsi_hsi.h

9.127 bnx2i_read_resp_task_stat Struct Reference

9.127.1 Detailed Description

Definition at line 275 of file 57xx_iscsi_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/57xx_iscsi_hsi.h

9.128 bnx2i_reject_msg Struct Reference

Public Attributes

- u32 **data_length**
- u32 **exp_cmd_sn**
- u32 **max_cmd_sn**
- u32 **reserved2** [2]
- u32 **reserved5** [8]
- u32 **cq_req_sn**

9.128.1 Detailed Description

Definition at line 1217 of file 57xx_iscsi_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/57xx_iscsi_hsi.h

9.129 bnx2i_set_port_num Struct Reference

Public Attributes

- struct bnx2i_ioctl_header **hdr**
- unsigned int **num_ports**
- unsigned short **tcp_port** [1]

9.129.1 Detailed Description

Definition at line 34 of file bnx2i_ioctl.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/bnx2i_ioctl.h

9.130 bnx2i_text_request Struct Reference

Public Attributes

- u32 **data_length**
- u32 **lun** [2]
- u32 **ttt**
- u32 **cmd_sn**
- u32 **reserved4** [2]
- u32 **resp_bd_list_addr_lo**
- u32 **resp_bd_list_addr_hi**
- u32 **resp_buffer**
- u32 **zero_fill**
- u32 **bd_list_addr_lo**
- u32 **bd_list_addr_hi**

9.130.1 Detailed Description

Definition at line 1308 of file 57xx_iscsi_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/57xx_iscsi_hsi.h

9.131 bnx2i_text_response Struct Reference

Public Attributes

- u32 **data_length**
- u32 **exp_cmd_sn**
- u32 **max_cmd_sn**
- u32 **ttt**
- u32 **reserved2**
- u32 **reserved5**
- u32 **lun** [2]
- u32 **reserved6** [4]
- u32 **cq_req_sn**

9.131.1 Detailed Description

Definition at line 1437 of file 57xx_iscsi_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/57xx_iscsi_hsi.h

9.132 bnx2i_tmf_request Struct Reference

Public Attributes

- u32 **data_length**
- u32 **lun** [2]
- u32 **ref_itt**
- u32 **cmd_sn**
- u32 **reserved2**
- u32 **ref_cmd_sn**
- u32 **reserved3** [3]
- u32 **zero_fill**
- u32 **bd_list_addr_lo**
- u32 **bd_list_addr_hi**

9.132.1 Detailed Description

Definition at line 1249 of file 57xx_iscsi_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/57xx_iscsi_hsi.h

9.133 bnx2i_tmf_response Struct Reference

Public Attributes

- u32 **reserved2**
- u32 **exp_cmd_sn**
- u32 **max_cmd_sn**
- u32 **reserved3** [2]
- u32 **reserved6** [7]
- u32 **cq_req_sn**

9.133.1 Detailed Description

Definition at line 1390 of file 57xx_iscsi_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/57xx_iscsi_hsi.h

9.134 bnx2i_write_resp_task_stat Struct Reference

Public Attributes

- u32 **num_data_ins**

9.134.1 Detailed Description

Definition at line 268 of file 57xx_iscsi_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/57xx_iscsi_hsi.h

9.135 bnx2x Struct Reference

Public Attributes

- struct bnx2x_fastpath **fp** [MAX_CONTEXT]
- void __iomem ∗ **regview**
- void __iomem ∗ **doorbells**
- struct net_device ∗ **dev**
- struct pci_dev ∗ **pdev**
- atomic_t **intr_sem**
- int **tx_ring_size**
- u32 **rx_csum**
- u32 **rx_buf_size**
- struct host_def_status_block ∗ **def_status_blk**
- __le16 **def_c_idx**
- __le16 **def_u_idx**
- __le16 **def_x_idx**
- __le16 **def_t_idx**
- __le16 **def_att_idx**
- u32 **attn_state**
- struct attn_route **attn_group** [MAX_DYNAMIC_ATTN_GRPS]

- struct [eth_spe](#) ∗ **spq**
- dma_addr_t **spq_mapping**
- u16 **spq_prod_idx**
- struct [eth_spe](#) ∗ **spq_prod_bd**
- struct [eth_spe](#) ∗ **spq_last_bd**
- __le16 ∗ **dsb_sp_prod**
- u16 **spq_left**
- spinlock_t **spq_lock**
- int **stats_pending**
- int **set_mac_pending**
- int **panic**
- int **msglevel**
- u32 **flags**
- int **func**
- int **pm_cap**
- int **pcie_cap**
- int **mrrs**
- struct work_struct **sp_task**
- struct work_struct **reset_task**
- u16 **sp_running**
- struct timer_list **timer**
- int **current_interval**
- u16 **fw_seq**
- u16 **fw_drv_pulse_wr_seq**
- u32 **func_stx**
- struct [link_params](#) **link_params**
- struct [link_vars](#) **link_vars**
- struct [mdio_if_info](#) **mdio**
- struct [bnx2x_common](#) **common**
- struct [bnx2x_port](#) **port**
- struct [cmng_struct_per_port](#) **cmng**
- u32 **vn_weight_sum**
- u32 **mf_config**
- u16 **e1hov**
- u8 **e1hmf**
- u8 **wol**
- int **rx_ring_size**
- u16 **tx_quick_cons_trip_int**
- u16 **tx_quick_cons_trip**
- u16 **tx_ticks_int**
- u16 **tx_ticks**
- u16 **rx_quick_cons_trip_int**
- u16 **rx_quick_cons_trip**
- u16 **rx_ticks_int**
- u16 **rx_ticks**
- u32 **lin_cnt**

- int **state**
- int **multi_mode**
- int **num_queues**
- u32 **rx_mode**
- u32 **rx_mode_cl_mask**
- dma_addr_t **def_status_blk_mapping**
- struct bnx2x_slowpath ∗ **slowpath**
- dma_addr_t **slowpath_mapping**
- int **dropless_fc**
- int **dmae_ready**
- struct mutex **dmae_mutex**
- struct mutex **fw_mb_mutex**
- int **stats_state**
- struct dmae_command **stats_dmae**
- int **executer_idx**
- u16 **stats_counter**
- struct net_device_stats **net_stats**
- struct bnx2x_eth_stats **eth_stats**
- struct z_stream_s ∗ **strm**
- void ∗ **gunzip_buf**
- dma_addr_t **gunzip_mapping**
- int **gunzip_outlen**
- u32 **pci_state** [16]
- struct raw_op ∗ **init_ops**
- u16 ∗ **init_ops_offsets**
- u32 ∗ **init_data**
- const u8 ∗ **tsem_int_table_data**
- const u8 ∗ **tsem_pram_data**
- const u8 ∗ **usem_int_table_data**
- const u8 ∗ **usem_pram_data**
- const u8 ∗ **xsem_int_table_data**
- const u8 ∗ **xsem_pram_data**
- const u8 ∗ **csem_int_table_data**
- const u8 ∗ **csem_pram_data**
- char **fw_ver** [32]

9.135.1 Detailed Description

Definition at line 962 of file bnx2x.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x.h

9.136 bnx2x_bd_chain_next Struct Reference

Public Attributes

- u32 **addr_lo**
- u32 **addr_hi**
- u8 **reserved** [8]

9.136.1 Detailed Description

Definition at line 328 of file cnic.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic.h

9.137 bnx2x_common Struct Reference

Public Attributes

- u32 **chip_id**
- int **flash_size**
- u32 **shmem_base**
- u32 **shmem2_base**
- u32 **hw_config**
- u32 **bc_ver**

9.137.1 Detailed Description

Definition at line 653 of file bnx2x.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x.h

9.138 bnx2x_eth_q_stats Struct Reference

Public Attributes

- u32 **total_bytes_received_hi**
- u32 **total_bytes_received_lo**
- u32 **total_bytes_transmitted_hi**
- u32 **total_bytes_transmitted_lo**
- u32 **total_unicast_packets_received_hi**

- u32 **total_unicast_packets_received_lo**
- u32 **total_multicast_packets_received_hi**
- u32 **total_multicast_packets_received_lo**
- u32 **total_broadcast_packets_received_hi**
- u32 **total_broadcast_packets_received_lo**
- u32 **total_unicast_packets_transmitted_hi**
- u32 **total_unicast_packets_transmitted_lo**
- u32 **total_multicast_packets_transmitted_hi**
- u32 **total_multicast_packets_transmitted_lo**
- u32 **total_broadcast_packets_transmitted_hi**
- u32 **total_broadcast_packets_transmitted_lo**
- u32 **valid_bytes_received_hi**
- u32 **valid_bytes_received_lo**
- u32 **error_bytes_received_hi**
- u32 **error_bytes_received_lo**
- u32 **etherstatsoverrsizepkts_hi**
- u32 **etherstatsoverrsizepkts_lo**
- u32 **no_buff_discard_hi**
- u32 **no_buff_discard_lo**
- u32 **driver_xoff**
- u32 **rx_err_discard_pkt**
- u32 **rx_skb_alloc_failed**
- u32 **hw_csum_err**

9.138.1 Detailed Description

Definition at line 267 of file bnx2x.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x.h

9.139 bnx2x_eth_stats Struct Reference

Public Attributes

- u32 **total_bytes_received_hi**
- u32 **total_bytes_received_lo**
- u32 **total_bytes_transmitted_hi**
- u32 **total_bytes_transmitted_lo**
- u32 **total_unicast_packets_received_hi**
- u32 **total_unicast_packets_received_lo**
- u32 **total_multicast_packets_received_hi**
- u32 **total_multicast_packets_received_lo**
- u32 **total_broadcast_packets_received_hi**

- u32 **total_broadcast_packets_received_lo**
- u32 **total_unicast_packets_transmitted_hi**
- u32 **total_unicast_packets_transmitted_lo**
- u32 **total_multicast_packets_transmitted_hi**
- u32 **total_multicast_packets_transmitted_lo**
- u32 **total_broadcast_packets_transmitted_hi**
- u32 **total_broadcast_packets_transmitted_lo**
- u32 **valid_bytes_received_hi**
- u32 **valid_bytes_received_lo**
- u32 **error_bytes_received_hi**
- u32 **error_bytes_received_lo**
- u32 **etherstatsoverrsizepkts_hi**
- u32 **etherstatsoverrsizepkts_lo**
- u32 **no_buff_discard_hi**
- u32 **no_buff_discard_lo**
- u32 **rx_stat_ifhcinbadoctets_hi**
- u32 **rx_stat_ifhcinbadoctets_lo**
- u32 **tx_stat_ifhcoutbadoctets_hi**
- u32 **tx_stat_ifhcoutbadoctets_lo**
- u32 **rx_stat_dot3statsfcserrors_hi**
- u32 **rx_stat_dot3statsfcserrors_lo**
- u32 **rx_stat_dot3statsalignmenterrors_hi**
- u32 **rx_stat_dot3statsalignmenterrors_lo**
- u32 **rx_stat_dot3statscarriersenseerrors_hi**
- u32 **rx_stat_dot3statscarriersenseerrors_lo**
- u32 **rx_stat_falsecarriererrors_hi**
- u32 **rx_stat_falsecarriererrors_lo**
- u32 **rx_stat_etherstatsundersizepkts_hi**
- u32 **rx_stat_etherstatsundersizepkts_lo**
- u32 **rx_stat_dot3statsframestoolong_hi**
- u32 **rx_stat_dot3statsframestoolong_lo**
- u32 **rx_stat_etherstatsfragments_hi**
- u32 **rx_stat_etherstatsfragments_lo**
- u32 **rx_stat_etherstatsjabbers_hi**
- u32 **rx_stat_etherstatsjabbers_lo**
- u32 **rx_stat_maccontrolframesreceived_hi**
- u32 **rx_stat_maccontrolframesreceived_lo**
- u32 **rx_stat_bmac_xpf_hi**
- u32 **rx_stat_bmac_xpf_lo**
- u32 **rx_stat_bmac_xcf_hi**
- u32 **rx_stat_bmac_xcf_lo**
- u32 **rx_stat_xoffstateentered_hi**
- u32 **rx_stat_xoffstateentered_lo**
- u32 **rx_stat_xonpauseframesreceived_hi**
- u32 **rx_stat_xonpauseframesreceived_lo**
- u32 **rx_stat_xoffpauseframesreceived_hi**

- u32 **rx_stat_xoffpauseframesreceived_lo**
- u32 **tx_stat_outxonsent_hi**
- u32 **tx_stat_outxonsent_lo**
- u32 **tx_stat_outxoffsent_hi**
- u32 **tx_stat_outxoffsent_lo**
- u32 **tx_stat_flowcontroldone_hi**
- u32 **tx_stat_flowcontroldone_lo**
- u32 **tx_stat_etherstatscollisions_hi**
- u32 **tx_stat_etherstatscollisions_lo**
- u32 **tx_stat_dot3statssinglecollisionframes_hi**
- u32 **tx_stat_dot3statssinglecollisionframes_lo**
- u32 **tx_stat_dot3statsmultiplecollisionframes_hi**
- u32 **tx_stat_dot3statsmultiplecollisionframes_lo**
- u32 **tx_stat_dot3statsdeferredtransmissions_hi**
- u32 **tx_stat_dot3statsdeferredtransmissions_lo**
- u32 **tx_stat_dot3statsexcessivecollisions_hi**
- u32 **tx_stat_dot3statsexcessivecollisions_lo**
- u32 **tx_stat_dot3statslatecollisions_hi**
- u32 **tx_stat_dot3statslatecollisions_lo**
- u32 **tx_stat_etherstatspkts64octets_hi**
- u32 **tx_stat_etherstatspkts64octets_lo**
- u32 **tx_stat_etherstatspkts65octetsto127octets_hi**
- u32 **tx_stat_etherstatspkts65octetsto127octets_lo**
- u32 **tx_stat_etherstatspkts128octetsto255octets_hi**
- u32 **tx_stat_etherstatspkts128octetsto255octets_lo**
- u32 **tx_stat_etherstatspkts256octetsto511octets_hi**
- u32 **tx_stat_etherstatspkts256octetsto511octets_lo**
- u32 **tx_stat_etherstatspkts512octetsto1023octets_hi**
- u32 **tx_stat_etherstatspkts512octetsto1023octets_lo**
- u32 **tx_stat_etherstatspkts1024octetsto1522octets_hi**
- u32 **tx_stat_etherstatspkts1024octetsto1522octets_lo**
- u32 **tx_stat_etherstatspktsover1522octets_hi**
- u32 **tx_stat_etherstatspktsover1522octets_lo**
- u32 **tx_stat_bmac_2047_hi**
- u32 **tx_stat_bmac_2047_lo**
- u32 **tx_stat_bmac_4095_hi**
- u32 **tx_stat_bmac_4095_lo**
- u32 **tx_stat_bmac_9216_hi**
- u32 **tx_stat_bmac_9216_lo**
- u32 **tx_stat_bmac_16383_hi**
- u32 **tx_stat_bmac_16383_lo**
- u32 **tx_stat_dot3statsinternalmactransmiterrors_hi**
- u32 **tx_stat_dot3statsinternalmactransmiterrors_lo**
- u32 **tx_stat_bmac_ufl_hi**
- u32 **tx_stat_bmac_ufl_lo**
- u32 **pause_frames_received_hi**

- • u32 **pause_frames_received_lo**
- • u32 **pause_frames_sent_hi**
- • u32 **pause_frames_sent_lo**
- • u32 **etherstatspkts1024octetsto1522octets_hi**
- • u32 **etherstatspkts1024octetsto1522octets_lo**
- • u32 **etherstatspktsover1522octets_hi**
- • u32 **etherstatspktsover1522octets_lo**
- • u32 **brb_drop_hi**
- • u32 **brb_drop_lo**
- • u32 **brb_truncate_hi**
- • u32 **brb_truncate_lo**
- • u32 **mac_filter_discard**
- • u32 **xxoverflow_discard**
- • u32 **brb_truncate_discard**
- • u32 **mac_discard**
- • u32 **driver_xoff**
- • u32 **rx_err_discard_pkt**
- • u32 **rx_skb_alloc_failed**
- • u32 **hw_csum_err**
- • u32 **nig_timer_max**

9.139.1   Detailed Description

Definition at line 779 of file bnx2x.h.

The documentation for this struct was generated from the following file:

- • src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x.h

9.140   bnx2x_fastpath Struct Reference

Public Attributes

- • struct net_device **dummy_netdev**
- • struct host_status_block ∗ **status_blk**
- • dma_addr_t **status_blk_mapping**
- • struct sw_tx_bd ∗ **tx_buf_ring**
- • union eth_tx_bd_types ∗ **tx_desc_ring**
- • dma_addr_t **tx_desc_mapping**
- • struct sw_rx_bd ∗ **rx_buf_ring**
- • struct sw_rx_page ∗ **rx_page_ring**
- • struct eth_rx_bd ∗ **rx_desc_ring**
- • dma_addr_t **rx_desc_mapping**
- • union eth_rx_cqe ∗ **rx_comp_ring**
- • dma_addr_t **rx_comp_mapping**

- struct eth_rx_sge ∗ **rx_sge_ring**
- dma_addr_t **rx_sge_mapping**
- u64 **sge_mask** [RX_SGE_MASK_LEN]
- int **state**
- u8 **index**
- u8 **cl_id**
- u8 **sb_id**
- union db_prod **tx_db**
- u16 **tx_pkt_prod**
- u16 **tx_pkt_cons**
- u16 **tx_bd_prod**
- u16 **tx_bd_cons**
- __le16 ∗ **tx_cons_sb**
- __le16 **fp_c_idx**
- __le16 **fp_u_idx**
- u16 **rx_bd_prod**
- u16 **rx_bd_cons**
- u16 **rx_comp_prod**
- u16 **rx_comp_cons**
- u16 **rx_sge_prod**
- u16 **last_max_sge**
- __le16 ∗ **rx_cons_sb**
- __le16 ∗ **rx_bd_cons_sb**
- unsigned long **tx_pkt**
- unsigned long **rx_pkt**
- unsigned long **rx_calls**
- struct sw_rx_bd **tpa_pool** [ETH_MAX_AGGREGATION_QUEUES_E1H]
- u8 **tpa_state** [ETH_MAX_AGGREGATION_QUEUES_E1H]
- u8 **disable_tpa**
- struct tstorm_per_client_stats **old_tclient**
- struct ustorm_per_client_stats **old_uclient**
- struct xstorm_per_client_stats **old_xclient**
- struct bnx2x_eth_q_stats **eth_q_stats**
- char **name** [FP_NAME_SIZE]
- struct bnx2x ∗ **bp**

9.140.1 Detailed Description

Definition at line 304 of file bnx2x.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x.h

9.141 bnx2x_fw_file_hdr Struct Reference

Public Attributes

- struct [bnx2x_fw_file_section](#) **init_ops**
- struct [bnx2x_fw_file_section](#) **init_ops_offsets**
- struct [bnx2x_fw_file_section](#) **init_data**
- struct [bnx2x_fw_file_section](#) **tsem_int_table_data**
- struct [bnx2x_fw_file_section](#) **tsem_pram_data**
- struct [bnx2x_fw_file_section](#) **usem_int_table_data**
- struct [bnx2x_fw_file_section](#) **usem_pram_data**
- struct [bnx2x_fw_file_section](#) **csem_int_table_data**
- struct [bnx2x_fw_file_section](#) **csem_pram_data**
- struct [bnx2x_fw_file_section](#) **xsem_int_table_data**
- struct [bnx2x_fw_file_section](#) **xsem_pram_data**
- struct [bnx2x_fw_file_section](#) **fw_version**

9.141.1 Detailed Description

Definition at line 22 of file bnx2x_fw_file_hdr.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-fw_file_hdr.h

9.142 bnx2x_fw_file_section Struct Reference

Public Attributes

- __be32 **len**
- __be32 **offset**

9.142.1 Detailed Description

Definition at line 17 of file bnx2x_fw_file_hdr.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-fw_file_hdr.h

9.143 bnx2x_iscsi_cq_pend_cmpl Struct Reference

Public Attributes

- u16 **ustrom_prod**
- u16 **pend_cntr**

9.143.1 Detailed Description

Definition at line 457 of file bnx2i.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/bnx2i.h

9.144 bnx2x_port Struct Reference

Public Attributes

- u32 **pmf**
- u32 **link_config**
- u32 **supported**
- u32 **advertising**
- u32 **phy_addr**
- struct mutex **phy_mutex**
- int **need_hw_lock**
- u32 **port_stx**
- struct nig_stats **old_nig_stats**

9.144.1 Detailed Description

Definition at line 738 of file bnx2x.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x.h

9.145 bnx2x_slowpath Struct Reference

Public Attributes

- union cdu_context **context** [MAX_CONTEXT]
- struct eth_stats_query **fw_stats**

- struct [mac_configuration_cmd](#) **mac_config**
- struct [mac_configuration_cmd](#) **mcast_config**
- struct [dmae_command](#) **dmae** [MAX_DMAE_C]
- u32 **stats_comp**
- union [mac_stats](#) **mac_stats**
- struct [nig_stats](#) **nig_stats**
- struct [host_port_stats](#) **port_stats**
- struct [host_func_stats](#) **func_stats**
- struct [host_func_stats](#) **func_stats_base**
- u32 **wb_comp**
- u32 **wb_data** [4]

9.145.1 Detailed Description

Definition at line 930 of file bnx2x.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x.h

9.146 bootp Struct Reference

Public Attributes

- u_int8_t **bp_op**
- u_int8_t **bp_htype**
- u_int8_t **bp_hlen**
- u_int8_t **bp_hops**
- u_int32_t **bp_xid**
- u_int16_t **bp_secs**
- u_int16_t **bp_flags**
- struct in_addr **bp_ciaddr**
- struct in_addr **bp_yiaddr**
- struct in_addr **bp_siaddr**
- struct in_addr **bp_giaddr**
- u_int8_t **bp_chaddr** [16]
- u_int8_t **bp_sname** [64]
- u_int8_t **bp_file** [128]
- u_int8_t **bp_vend** [64]

9.146.1 Detailed Description

Definition at line 23 of file bootp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/bootp.h

9.147 bpf_hdr Struct Reference

Public Attributes

- struct timeval **bh_tstamp**
- bpf_u_int32 **bh_caplen**
- bpf_u_int32 **bh_datalen**
- u_short **bh_hdrlen**

9.147.1 Detailed Description

Definition at line 73 of file pcap-win32.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap-win32.c

9.148 bpf_insn Struct Reference

Public Attributes

- u_short **code**
- u_char **jt**
- u_char **jf**
- bpf_u_int32 **k**

9.148.1 Detailed Description

Definition at line 1042 of file bpf.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap/bpf.h

9.149 bpf_program Struct Reference

Public Attributes

- u_int **bf_len**
- struct bpf_insn ∗ **bf_insns**

9.149.1   Detailed Description

Definition at line 88 of file bpf.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap/bpf.h

9.150   bpf_version Struct Reference

Public Attributes

- u_short **bv_major**
- u_short **bv_minor**

9.150.1   Detailed Description

Definition at line 104 of file bpf.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap/bpf.h

9.151   ccmsg Struct Reference

Public Attributes

- byte **cc_flags**
- word **cc_dst**
- word **cc_src**
- byte **cc_services**
- byte **cc_info**
- word **cc_segsize**
- byte **cc_optlen**

9.151.1   Detailed Description

Definition at line 425 of file decnet.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/decnet.h

9.152 cdu_context Union Reference

Public Attributes

- struct eth_context **eth**
- char **pad** [1024]

9.152.1 Detailed Description

Definition at line 922 of file bnx2x.h.

The documentation for this union was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x.h

9.153 cf_t Struct Reference

Public Attributes

- u_int8_t **element_id**
- u_int8_t **length**
- u_int8_t **count**
- u_int8_t **period**
- u_int16_t **max_duration**
- u_int16_t **dur_remaing**

9.153.1 Detailed Description

Definition at line 180 of file ieee802_11.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ieee802_11.h

9.154 cfm_ccm_t Struct Reference

Public Attributes

- u_int8_t **sequence** [4]
- u_int8_t **ma_epi** [2]
- u_int8_t **md_nameformat**
- u_int8_t **md_namelength**
- u_int8_t **md_name** [46]
- u_int8_t **reserved_itu** [16]
- u_int8_t **reserved** [6]

9.154.1 Detailed Description

Definition at line 77 of file print-cfm.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-cfm.c

9.155 cfm_common_header_t Struct Reference

Public Attributes

- u_int8_t **mdlevel_version**
- u_int8_t **opcode**
- u_int8_t **flags**
- u_int8_t **first_tlv_offset**

9.155.1 Detailed Description

Definition at line 48 of file print-cfm.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-cfm.c

9.156 cfm_lbm_t Struct Reference

Public Attributes

- u_int8_t **transaction_id** [4]
- u_int8_t **reserved** [4]

9.156.1 Detailed Description

Definition at line 128 of file print-cfm.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-cfm.c

9.157 cfm_ltm_t Struct Reference

Public Attributes

- u_int8_t **transaction_id** [4]

- u_int8_t **egress_id** [8]
- u_int8_t **ttl**
- u_int8_t **original_mac** [ETHER_ADDR_LEN]
- u_int8_t **target_mac** [ETHER_ADDR_LEN]
- u_int8_t **reserved** [3]

9.157.1 Detailed Description

Definition at line 133 of file print-cfm.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-cfm.c

9.158 cfm_ltr_t Struct Reference

Public Attributes

- u_int8_t **transaction_id** [4]
- u_int8_t **last_egress_id** [8]
- u_int8_t **next_egress_id** [8]
- u_int8_t **ttl**
- u_int8_t **replay_action**
- u_int8_t **reserved** [6]

9.158.1 Detailed Description

Definition at line 147 of file print-cfm.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-cfm.c

9.159 cfm_tlv_header_t Struct Reference

Public Attributes

- u_int8_t **type**
- u_int8_t **length** [2]

9.159.1   Detailed Description

Definition at line 195 of file print-cfm.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-cfm.c

9.160   challenge_t Struct Reference

Public Attributes

- u_int8_t **element_id**
- u_int8_t **length**
- u_int8_t **text** [254]

9.160.1   Detailed Description

Definition at line 159 of file ieee802_11.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ieee802_11.h

9.161   chunk Struct Reference

Public Attributes

- u_int **n_left**
- void ∗ **m**

9.161.1   Detailed Description

Definition at line 189 of file gencode.c.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/gencode.c
- src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/sfbpf/sf_gencode.c

9.162   ciackmsg Struct Reference

Public Attributes

- byte **ck_flags**

- word **ck_dst**

9.162.1 Detailed Description

Definition at line 409 of file decnet.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/decnet.h

9.163 cimsg Struct Reference

Public Attributes

- byte **ci_flags**
- word **ci_dst**
- word **ci_src**
- byte **ci_services**
- byte **ci_info**
- word **ci_segsize**

9.163.1 Detailed Description

Definition at line 415 of file decnet.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/decnet.h

9.164 cisco_slarp Struct Reference

Public Attributes

- u_int8_t **code** [4]
- union {
    struct {
        u_int8_t **addr** [4]
        u_int8_t **mask** [4]
    } **addr**
    struct {
        u_int8_t **myseq** [4]
        u_int8_t **yourseq** [4]
        u_int8_t **rel** [2]
    } **keep**
} **un**

9.164.1 Detailed Description

Definition at line 124 of file print-chdlc.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-chdlc.c

9.165 clnp_header_t Struct Reference

Public Attributes

- u_int8_t **nlpid**
- u_int8_t **length_indicator**
- u_int8_t **version**
- u_int8_t **lifetime**
- u_int8_t **type**
- u_int8_t **segment_length** [2]
- u_int8_t **cksum** [2]

9.165.1 Detailed Description

Definition at line 700 of file print-isoclns.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-isoclns.c

9.166 clnp_segment_header_t Struct Reference

Public Attributes

- u_int8_t **data_unit_id** [2]
- u_int8_t **segment_offset** [2]
- u_int8_t **total_length** [2]

9.166.1 Detailed Description

Definition at line 710 of file print-isoclns.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-isoclns.c

9.167 cmng_flags_per_port Struct Reference

Public Attributes

- u8 **con_number** [NUM_OF_PROTOCOLS]
- u32 **cmng_enables**

9.167.1 Detailed Description

Definition at line 2927 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.168 cmng_struct_per_port Struct Reference

Public Attributes

- struct rate_shaping_vars_per_port **rs_vars**
- struct fairness_vars_per_port **fair_vars**
- struct safc_struct_per_port **safc_vars**
- struct cmng_flags_per_port **flags**

9.168.1 Detailed Description

Definition at line 2981 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.169 cmu_vend Struct Reference

Public Attributes

- u_int8_t **v_magic** [4]
- u_int32_t **v_flags**
- struct in_addr **v_smask**
- struct in_addr **v_dgate**
- struct in_addr v_dns1 **v_dns2**
- struct in_addr v_ins1 **v_ins2**

- struct in_addr v_ts1 **v_ts2**
- u_int8_t **v_unused** [24]

9.169.1 Detailed Description

Definition at line 211 of file bootp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/bootp.h

9.170 cnic_context Struct Reference

Public Attributes

- u32 **cid**
- struct kwqe_16_data ∗ **kwqe_data**
- dma_addr_t **kwqe_data_mapping**
- wait_queue_head_t **waitq**
- int **wait_cond**
- unsigned long **timestamp**
- u32 **ctx_flags**
- u8 **ulp_proto_id**
- union {
    struct cnic_iscsi ∗ **iscsi**
  } **proto**

9.170.1 Detailed Description

Definition at line 191 of file cnic.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic.h

9.171 cnic_ctl_completion Struct Reference

Public Attributes

- u32 **cid**

9.171.1 Detailed Description

Definition at line 87 of file cnic_if.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
  if.h

9.172 cnic_ctl_info Struct Reference

Public Attributes

- int **cmd**
- union {
    struct cnic_ctl_completion **comp**
    char **bytes** [MAX_CNIC_CTL_DATA]
  } **data**

9.172.1 Detailed Description

Definition at line 95 of file cnic_if.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
  if.h

9.173 cnic_ctx Struct Reference

Public Attributes

- u32 **cid**
- void ∗ **ctx**
- dma_addr_t **mapping**

9.173.1 Detailed Description

Definition at line 154 of file cnic.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic.h

9.174 cnic_dev Struct Reference

Public Attributes

- struct net_device ∗ **netdev**
- struct pci_dev ∗ **pcidev**
- void __iomem ∗ **regview**
- struct list_head **list**
- int(∗ **register_device**)(struct cnic_dev ∗dev, int ulp_type, void ∗ulp_ctx)
- int(∗ **unregister_device**)(struct cnic_dev ∗dev, int ulp_type)
- int(∗ **submit_kwqes**)(struct cnic_dev ∗dev, struct kwqe ∗wqes[], u32 num_-wqes)
- int(∗ **submit_kwqes_16**)(struct cnic_dev ∗dev, struct kwqe_16 ∗wqes[], u32 num_wqes)
- int(∗ **cm_create**)(struct cnic_dev ∗, int, u32, u32, struct cnic_sock ∗∗, void ∗)
- int(∗ **cm_destroy**)(struct cnic_sock ∗)
- int(∗ **cm_connect**)(struct cnic_sock ∗, struct cnic_sockaddr ∗)
- int(∗ **cm_abort**)(struct cnic_sock ∗)
- int(∗ **cm_close**)(struct cnic_sock ∗)
- struct cnic_dev ∗(∗ **cm_select_dev**)(struct sockaddr_in ∗, int ulp_type)
- unsigned long **flags**
- atomic_t **ref_count**
- int **use_count**
- u8 **mac_addr** [6]
- int **max_iscsi_conn**
- int **max_fcoe_conn**
- int **max_rdma_conn**
- void ∗ **cnic_priv**

9.174.1 Detailed Description

Definition at line 247 of file cnic_if.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-if.h

9.175 cnic_dma Struct Reference

Public Attributes

- int **num_pages**
- void ∗∗ **pg_arr**
- dma_addr_t ∗ **pg_map_arr**

- int **pgtbl_size**
- u32 ∗ **pgtbl**
- dma_addr_t **pgtbl_map**

9.175.1 Detailed Description

Definition at line 162 of file cnic.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic.h

9.176 cnic_eth_dev Struct Reference

Public Attributes

- struct module ∗ **drv_owner**
- u32 **drv_state**
- u32 **chip_id**
- u32 **max_kwqe_pending**
- struct pci_dev ∗ **pdev**
- void __iomem ∗ **io_base**
- u32 **ctx_tbl_offset**
- u32 **ctx_tbl_len**
- int **ctx_blk_size**
- u32 **starting_cid**
- u32 **max_iscsi_conn**
- u32 **max_fcoe_conn**
- u32 **max_rdma_conn**
- u32 **reserved0** [2]
- int **num_irq**
- struct cnic_irq **irq_arr** [MAX_CNIC_VEC]
- int(∗ **drv_register_cnic**)(struct net_device ∗, struct cnic_ops ∗, void ∗)
- int(∗ **drv_unregister_cnic**)(struct net_device ∗)
- int(∗ **drv_submit_kwqes_32**)(struct net_device ∗, struct kwqe ∗[], u32)
- int(∗ **drv_submit_kwqes_16**)(struct net_device ∗, struct kwqe_16 ∗[], u32)
- int(∗ **drv_ctl**)(struct net_device ∗, struct drv_ctl_info ∗)
- unsigned long **reserved1** [2]

9.176.1 Detailed Description

Definition at line 145 of file cnic_if.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
  if.h

9.177 cnic_id_tbl Struct Reference

Public Attributes

- spinlock_t **lock**
- u32 **start**
- u32 **max**
- u32 **next**
- unsigned long ∗ **table**

9.177.1 Detailed Description

Definition at line 171 of file cnic.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic.h

9.178 cnic_irq Struct Reference

Public Attributes

- unsigned int **vector**
- void ∗ **status_blk**
- u32 **status_blk_num**
- u32 **irq_flags**

9.178.1 Detailed Description

Definition at line 137 of file cnic_if.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
  if.h

9.179 cnic_iscsi Struct Reference

Public Attributes

- struct cnic_dma **task_array_info**
- struct cnic_dma **r2tq_info**
- struct cnic_dma **hq_info**

9.179.1 Detailed Description

Definition at line 185 of file cnic.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic.h

9.180 cnic_local Struct Reference

Public Attributes

- spinlock_t **cnic_ulp_lock**
- void ∗ **ulp_handle** [MAX_CNIC_ULP_TYPE]
- unsigned long **ulp_flags** [MAX_CNIC_ULP_TYPE]
- struct cnic_ulp_ops ∗ **ulp_ops** [MAX_CNIC_ULP_TYPE]
- u32 **cnic_local_flags**
- struct cnic_dev ∗ **dev**
- struct cnic_eth_dev ∗ **ethdev**
- u32 **kwq_cid_addr**
- u32 **kcq_cid_addr**
- struct cnic_dma **kwq_info**
- struct kwqe ∗∗ **kwq**
- struct cnic_dma **kwq_16_data_info**
- u16 **max_kwq_idx**
- u16 **kwq_prod_idx**
- u32 **kwq_io_addr**
- volatile u16 ∗ **kwq_con_idx_ptr**
- u16 **kwq_con_idx**
- struct cnic_dma **kcq_info**
- struct kcqe ∗∗ **kcq**
- u16 **kcq_prod_idx**
- u32 **kcq_io_addr**
- void ∗ **status_blk**
- struct status_block_msix ∗ **bnx2_status_blk**
- struct host_status_block ∗ **bnx2x_status_blk**
- u32 **status_blk_num**
- u32 **int_num**
- u32 **last_status_idx**
- struct tasklet_struct **cnic_irq_task**
- struct kcqe ∗ **completed_kcq** [MAX_COMPLETED_KCQE]
- struct cnic_sock ∗ **csk_tbl**
- struct cnic_id_tbl **csk_port_tbl**
- u32 **next_tcp_port**
- struct cnic_dma **conn_buf_info**
- struct cnic_dma **gbl_buf_info**

- struct cnic_iscsi ∗ **iscsi_tbl**
- struct cnic_context ∗ **ctx_tbl**
- struct cnic_id_tbl **cid_tbl**
- atomic_t **iscsi_conn**
- int **num_iscsi_tasks**
- int **num_ccells**
- int **task_array_size**
- int **r2tq_size**
- int **hq_size**
- int **num_cqs**
- struct notifier_block **cm_nb**
- struct cnic_work_node **cnic_work_ring** [WORK_RING_SIZE]
- int **cnic_wr_cons**
- int **cnic_wr_prod**
- spinlock_t **wr_lock**
- struct tasklet_struct **cnic_task**
- struct timer_list **cnic_timer**
- u32 **cnic_timer_off**
- struct cnic_ctx ∗ **ctx_arr**
- int **ctx_blks**
- int **ctx_blk_size**
- unsigned long **ctx_align**
- int **cids_per_blk**
- u32 **chip_id**
- int **func**
- struct cnic_ops ∗ **cnic_ops**
- int(∗ **start_hw**)(struct cnic_dev ∗)
- void(∗ **stop_hw**)(struct cnic_dev ∗)
- void(∗ **setup_pgtbl**)(struct cnic_dev ∗, struct cnic_dma ∗)
- int(∗ **alloc_resc**)(struct cnic_dev ∗)
- void(∗ **free_resc**)(struct cnic_dev ∗)
- int(∗ **start_cm**)(struct cnic_dev ∗)
- void(∗ **stop_cm**)(struct cnic_dev ∗)
- void(∗ **enable_int**)(struct cnic_dev ∗)
- void(∗ **disable_int_sync**)(struct cnic_dev ∗)
- void(∗ **ack_int**)(struct cnic_dev ∗)
- void(∗ **close_conn**)(struct cnic_sock ∗, u32 opcode)
- u16(∗ **next_idx**)(u16)
- u16(∗ **hw_idx**)(u16)

9.180.1 Detailed Description

Definition at line 208 of file cnic.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic.h

9.181 cnic_ops Struct Reference

Public Attributes

- struct module ∗ **cnic_owner**
- int(∗ **cnic_handler**)(void ∗, void ∗)
- int(∗ **cnic_ctl**)(void ∗, struct cnic_ctl_info ∗)

9.181.1 Detailed Description

Definition at line 125 of file cnic_if.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-if.h

9.182 cnic_redirect_entry Struct Reference

Public Attributes

- struct dst_entry ∗ **old_dst**
- struct dst_entry ∗ **new_dst**

9.182.1 Detailed Description

Definition at line 89 of file cnic.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic.h

9.183 cnic_sock Struct Reference

Public Attributes

- struct cnic_dev ∗ **dev**
- void ∗ **context**
- u32 **src_ip** [4]
- u32 **dst_ip** [4]
- u16 **src_port**
- u16 **dst_port**
- u16 **vlan_id**
- unsigned char **old_ha** [6]

- u16 **pmtu**
- struct dst_entry ∗ **dst**
- u32 **cid**
- u32 **l5_cid**
- u32 **pg_cid**
- int **ulp_type**
- u32 **ka_timeout**
- u32 **ka_interval**
- u8 **ka_max_probe_count**
- u8 **tos**
- u8 **ttl**
- u8 **snd_seq_scale**
- u32 **rcv_buf**
- u32 **snd_buf**
- u32 **seed**
- unsigned long **tcp_flags**
- unsigned long **flags**
- atomic_t **ref_count**
- u32 **state**
- struct kwqe **kwqe1**
- struct kwqe **kwqe2**
- struct kwqe **kwqe3**

9.183.1 Detailed Description

Definition at line 193 of file cnic_if.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
  if.h

9.184 cnic_sockaddr Struct Reference

Public Attributes

- union {
    struct sockaddr_in **v4**
    struct sockaddr_in6 **v6**
  } **local**

- union {
    struct sockaddr_in **v4**
    struct sockaddr_in6 **v6**
  } **remote**

9.184.1 Detailed Description

Definition at line 182 of file cnic_if.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
  if.h

9.185 cnic_ulp_ops Struct Reference

Public Attributes

- void(∗ **cnic_init**)(struct cnic_dev ∗dev)
- void(∗ **cnic_exit**)(struct cnic_dev ∗dev)
- void(∗ **cnic_start**)(void ∗ulp_ctx)
- void(∗ **cnic_stop**)(void ∗ulp_ctx)
- void(∗ **indicate_kcqes**)(void ∗ulp_ctx, struct kcqe ∗cqes[], u32 num_cqes)
- void(∗ **indicate_netevent**)(void ∗ulp_ctx, unsigned long event)
- void(∗ **indicate_inetevent**)(void ∗ulp_ctx, unsigned long event)
- void(∗ **cm_connect_complete**)(struct cnic_sock ∗)
- void(∗ **cm_close_complete**)(struct cnic_sock ∗)
- void(∗ **cm_abort_complete**)(struct cnic_sock ∗)
- void(∗ **cm_remote_close**)(struct cnic_sock ∗)
- void(∗ **cm_remote_abort**)(struct cnic_sock ∗)
- struct module ∗ **owner**
- atomic_t **ref_count**

9.185.1 Detailed Description

Definition at line 296 of file cnic_if.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
  if.h

9.186 cnic_work_node Struct Reference

Public Attributes

- u32 **work_type**

- union {
    struct [kcqe](#) **kcqe**
    struct neighbour ∗ **neigh**
    struct [cnic_redirect_entry](#) **cnic_redir**
  } **work_data**

9.186.1 Detailed Description

Definition at line 94 of file cnic.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic.h

9.187 cnmsg Struct Reference

Public Attributes

- byte **cn_flags**
- word **cn_dst**
- word **cn_src**
- byte **cn_services**
- byte **cn_info**
- word **cn_segsize**

9.187.1 Detailed Description

Definition at line 436 of file decnet.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/decnet.h

9.188 common_ramrod_eth_rx_cqe Struct Reference

Public Attributes

- u8 **ramrod_type**
- u8 **conn_type**
- __le16 **reserved1**
- __le32 **conn_and_cmd_data**
- struct [ramrod_data](#) **protocol_data**
- __le32 **reserved2** [4]

9.188.1 Detailed Description

Definition at line 2497 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.189 ControlMessage Struct Reference

Obsolete.

```
#include <mark6.h>
```

Public Attributes

- MessageType **_type**

9.189.1 Detailed Description

Obsolete.

Todo

Remove this.

Definition at line 111 of file mark6.h.

The documentation for this struct was generated from the following file:

- src/net2disk/mark6.h

9.190 controlmsg Union Reference

Public Attributes

- struct initmsg **cm_init**
- struct verifmsg **cm_ver**
- struct testmsg **cm_test**
- struct l1rout **cm_l1rou**
- struct l2rout **cm_l2rout**
- struct rhellomsg **cm_rhello**
- struct ehellomsg **cm_ehello**

9.190.1 Detailed Description

Definition at line 238 of file decnet.h.

The documentation for this union was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/decnet.h

9.191 cookieMessage Struct Reference

Public Attributes

- u_int32_t **TieTag_curTag**
- u_int32_t **TieTag_hisTag**
- int32_t **cookieLife**
- struct sctpTimeStamp **timeEnteringState**
- struct sctpInitiation **initAckISent**
- u_int32_t **addressWhereISent** [4]
- int32_t **addrtype**
- u_int16_t **locScope**
- u_int16_t **siteScope**

9.191.1 Detailed Description

Definition at line 141 of file sctpHeader.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/sctpHeader.h

9.192 cpack_state Struct Reference

Public Attributes

- u_int8_t ∗ **c_buf**
- u_int8_t ∗ **c_next**
- size_t **c_len**

9.192.1 Detailed Description

Definition at line 33 of file cpack.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/cpack.h

9.193 cpacket_ts Struct Reference

Public Attributes

- u_int32_t **original_crc**
- u_int32_t **epoch**
- u_int32_t **ns**
- u_int32_t **ignore**

9.193.1 Detailed Description

Definition at line 71 of file ixgbe_main.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe_-main.c

9.194 cpu_reg Struct Reference

Public Attributes

- u32 **mode**
- u32 **mode_value_halt**
- u32 **mode_value_sstep**
- u32 **state**
- u32 **state_value_clear**
- u32 **gpr0**
- u32 **evmask**
- u32 **pc**
- u32 **inst**
- u32 **bp**
- u32 **spad_base**
- u32 **mips_view_base**

9.194.1 Detailed Description

Definition at line 7936 of file bnx2.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/bnx2.h

9.195　cqe Struct Reference

Public Attributes

- u8 **cqe_byte** [BNX2I_CQE_SIZE]

9.195.1　Detailed Description

Definition at line 434 of file bnx2i.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/bnx2i.h

9.196　cstorm_def_status_block_c Struct Reference

Public Attributes

- __le16 **index_values** [HC_CSTORM_DEF_SB_NUM_INDICES]
- __le16 **status_block_index**
- u8 **func**
- u8 **status_block_id**
- __le32 **__flags**

9.196.1　Detailed Description

Definition at line 2325 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.197　cstorm_def_status_block_u Struct Reference

Public Attributes

- __le16 **index_values** [HC_USTORM_DEF_SB_NUM_INDICES]
- __le16 **status_block_index**
- u8 **func**
- u8 **status_block_id**
- __le32 **__flags**

9.197.1 Detailed Description

Definition at line 2314 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-
hsi.h

9.198   cstorm_eth_ag_context Struct Reference

Public Attributes

- u32 **__agg_vars1**
- u32 **__num_of_treated_packet**
- u32 **__last_packet_treated**
- u32 **__reserved65**

9.198.1 Detailed Description

Definition at line 1960 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-
hsi.h

9.199   cstorm_eth_st_context Struct Reference

Public Attributes

- u32 **__reserved1** [3]

9.199.1 Detailed Description

Definition at line 2254 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-
hsi.h

9.200 cstorm_iscsi_ag_context Struct Reference

Public Attributes

- u32 **agg_vars1**
- u32 **rel_seq**
- u32 **rel_seq_th**
- u32 **__cq_u_prod1**

9.200.1 Detailed Description

Definition at line 1568 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-defs.h

9.201 cstorm_iscsi_st_context Struct Reference

Public Attributes

- struct [iscsi_cq_db_prod_pnd_cmpltn_cnt_arr](#) **cq_c_prod_pend_comp_ctr_arr**
- struct [iscsi_cq_db_sqn_2_notify_arr](#) **cq_c_prod_sqn_arr**
- struct [iscsi_cq_db_sqn_2_notify_arr](#) **cq_c_sqn_2_notify_arr**
- struct [regpair](#) **hq_pbl_base**
- struct [regpair](#) **hq_curr_pbe**
- struct [regpair](#) **task_pbl_base**
- struct [regpair](#) **cq_db_base**
- u32 **hq_bd_data_segment_len**
- u32 **hq_bd_buffer_offset**
- u32 **hq_tcp_seq**
- struct [regpair](#) **rsrv1**

9.201.1 Detailed Description

Definition at line 2214 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-defs.h

9.202 cstorm_status_block_c Struct Reference

Public Attributes

- __le16 **index_values** [HC_CSTORM_SB_NUM_INDICES]
- __le16 **status_block_index**
- u8 **func**
- u8 **status_block_id**
- __le32 **__flags**

9.202.1 Detailed Description

Definition at line 2381 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.203 cstorm_status_block_u Struct Reference

Public Attributes

- __le16 **index_values** [HC_USTORM_SB_NUM_INDICES]
- __le16 **status_block_index**
- u8 **func**
- u8 **status_block_id**
- __le32 **__flags**

9.203.1 Detailed Description

Definition at line 2370 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.204 ctrl_ack_t Struct Reference

Public Attributes

- u_int16_t **fc**
- u_int16_t **duration**

- u_int8_t **ra** [6]
- u_int8_t **fcs** [4]

9.204.1   Detailed Description

Definition at line 271 of file ieee802_11.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ieee802_11.h

9.205   ctrl_ba_t Struct Reference

Public Attributes

- u_int16_t **fc**
- u_int16_t **duration**
- u_int8_t **ra** [6]
- u_int8_t **fcs** [4]

9.205.1   Detailed Description

Definition at line 313 of file ieee802_11.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ieee802_11.h

9.206   ctrl_bar_t Struct Reference

Public Attributes

- u_int16_t **fc**
- u_int16_t **dur**
- u_int8_t **ra** [6]
- u_int8_t **ta** [6]
- u_int16_t **ctl**
- u_int16_t **seq**
- u_int8_t **fcs** [4]

9.206.1 Detailed Description

Definition at line 322 of file ieee802_11.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ieee802_11.h

9.207 ctrl_cts_t Struct Reference

Public Attributes

- u_int16_t **fc**
- u_int16_t **duration**
- u_int8_t **ra** [6]
- u_int8_t **fcs** [4]

9.207.1 Detailed Description

Definition at line 262 of file ieee802_11.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ieee802_11.h

9.208 ctrl_end_ack_t Struct Reference

Public Attributes

- u_int16_t **fc**
- u_int16_t **duration**
- u_int8_t **ra** [6]
- u_int8_t **bssid** [6]
- u_int8_t **fcs** [4]

9.208.1 Detailed Description

Definition at line 302 of file ieee802_11.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ieee802_11.h

9.209 ctrl_end_t Struct Reference

Public Attributes

- u_int16_t **fc**
- u_int16_t **duration**
- u_int8_t **ra** [6]
- u_int8_t **bssid** [6]
- u_int8_t **fcs** [4]

9.209.1 Detailed Description

Definition at line 291 of file ieee802_11.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ieee802_11.h

9.210 ctrl_ps_poll_t Struct Reference

Public Attributes

- u_int16_t **fc**
- u_int16_t **aid**
- u_int8_t **bssid** [6]
- u_int8_t **ta** [6]
- u_int8_t **fcs** [4]

9.210.1 Detailed Description

Definition at line 280 of file ieee802_11.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ieee802_11.h

9.211 ctrl_rts_t Struct Reference

Public Attributes

- u_int16_t **fc**
- u_int16_t **duration**
- u_int8_t **ra** [6]
- u_int8_t **ta** [6]
- u_int8_t **fcs** [4]

9.211.1 Detailed Description

Definition at line 251 of file ieee802_11.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ieee802_11.h

9.212 DAQ_Module_Info_t Struct Reference

Public Attributes

- char ∗ **name**
- uint32_t **version**
- uint32_t **type**

9.212.1 Detailed Description

Definition at line 28 of file daq.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/api/daq.h

9.213 db_prod Union Reference

Public Attributes

- struct [doorbell_set_prod](#) **data**
- u32 **raw**

9.213.1 Detailed Description

Definition at line 214 of file bnx2x.h.

The documentation for this union was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x.h

9.214 dcb_num_tcs Struct Reference

Public Attributes

- u8 **pg_tcs**
- u8 **pfc_tcs**

9.214.1 Detailed Description

Definition at line 130 of file ixgbe_dcb.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe_-dcb.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe_dcb.h

9.215 dcb_pfc_tc_debug Struct Reference

Public Attributes

- u8 **tc**
- u8 **pause_status**
- u64 **pause_quanta**

9.215.1 Detailed Description

Definition at line 65 of file ixgbe_dcb.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe_-dcb.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe_dcb.h

9.216 dcb_support Struct Reference

Public Attributes

- u32 **capabilities**
- u8 **traffic_classes**
- u8 **pfc_traffic_classes**

9.216.1 Detailed Description

Definition at line 86 of file ixgbe_dcb.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe_-dcb.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe_dcb.h

9.217 dccp_hdr Struct Reference

```
#include <dccp.h>
```

Public Attributes

- u_int16_t **dccph_sport**
- u_int16_t **dccph_dport**
- u_int8_t **dccph_doff**
- u_int8_t **dccph_ccval_cscov**
- u_int16_t **dccph_checksum**
- union {
    u_int8_t **dccph_xtr**
    u_int32_t **dccph_seq**
  } **dccph_xtrs**

9.217.1 Detailed Description

struct dccp_hdr - generic part of DCCP packet header

- Relevant port on the endpoint that sent this packet - Relevant port on the other endpoint - Data Offset from the start of the DCCP header, in 32-bit words - Used by the HC-Sender CCID - Parts of the packet that are covered by the Checksum field - Internet checksum, depends on dccph_cscov - 0 = 24 bit sequence number, 1 = 48 - packet type, see DCCP_PKT_ prefixed macros - sequence number high or low order 24 bits, depends on dccph_x

Definition at line 27 of file dccp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/dccp.h

9.218 dccp_hdr_ack_bits Struct Reference

```
#include <dccp.h>
```

Public Attributes

- u_int32_t **dccph_ra**
- u_int32_t **dccph_ack_nr_low**

9.218.1 Detailed Description

struct dccp_hdr_ack_bits - acknowledgment bits common to most packets

- 48 bit ack number high order bits, contains GSR - 48 bit ack number low order bits, contains GSR

Definition at line 70 of file dccp.h.

The documentation for this struct was generated from the following file:

 • src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/dccp.h

9.219 dccp_hdr_ext Struct Reference

```
#include <dccp.h>
```

Public Attributes

 • u_int32_t **dccph_seq_low**

9.219.1 Detailed Description

struct dccp_hdr_ext - the low bits of a 48 bit seq packet

- low 24 bits of a 48 bit seq packet

Definition at line 51 of file dccp.h.

The documentation for this struct was generated from the following file:

 • src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/dccp.h

9.220 dccp_hdr_request Struct Reference

```
#include <dccp.h>
```

Public Attributes

 • u_int32_t **dccph_req_service**

9.220.1 Detailed Description

struct dccp_hdr_request - Conection initiation request header

- Service to which the client app wants to connect

Definition at line 60 of file dccp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/dccp.h

9.221 dccp_hdr_reset Struct Reference

`#include <dccp.h>`

Public Attributes

- struct dccp_hdr_ack_bits **dccph_reset_ack**
- u_int8_t **dccph_reset_code**
- u_int8_t **dccph_reset_data** [3]

9.221.1 Detailed Description

struct dccp_hdr_reset - Unconditionally shut down a connection

- Echoes the Service Code on a received DCCP-Request

Definition at line 103 of file dccp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/dccp.h

9.222 dccp_hdr_response Struct Reference

`#include <dccp.h>`

Public Attributes

- struct dccp_hdr_ack_bits **dccph_resp_ack**
- u_int32_t **dccph_resp_service**

9.222.1 Detailed Description

struct dccp_hdr_response - Conection initiation response header

- 48 bit ack number high order bits, contains GSR - 48 bit ack number low order bits, contains GSR - Echoes the Service Code on a received DCCP-Request

Definition at line 84 of file dccp.h.

The documentation for this struct was generated from the following file:

• src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/dccp.h

9.223   dcmsg Struct Reference

Public Attributes

• byte **dc_flags**
• word **dc_dst**
• word **dc_src**
• word **dc_reason**

9.223.1   Detailed Description

Definition at line 455 of file decnet.h.

The documentation for this struct was generated from the following file:

• src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/decnet.h

9.224   device Struct Reference

Public Attributes

• const char ∗ **name**
• const char ∗ **long_name**
• DWORD **base_addr**
• int **irq**
• int **dma**
• DWORD **mem_start**
• DWORD **mem_end**
• DWORD **rmem_start**
• DWORD **rmem_end**
• struct device ∗ **next**
• int(∗ **probe**)(struct device ∗dev)
• int(∗ **open**)(struct device ∗dev)
• void(∗ **close**)(struct device ∗dev)
• int(∗ **xmit**)(struct device ∗dev, const void ∗buf, int len)
• void ∗(∗ **get_stats**)(struct device ∗dev)
• void(∗ **set_multicast_list**)(struct device ∗dev)
• int(∗ **copy_rx_buf**)(BYTE ∗buf, int max)
• BYTE ∗(∗ **get_rx_buf**)(int len)
• int(∗ **peek_rx_buf**)(BYTE ∗∗buf)
• int(∗ **release_rx_buf**)(BYTE ∗buf)
• WORD **flags**
• void ∗ **priv**

9.224.1 Detailed Description

Definition at line 142 of file pcap-dos.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap-dos.h

9.225 dhcp6 Struct Reference

Public Attributes

- union {
    u_int8_t **m**
    u_int32_t **x**
  } **dh6_msgtypexid**

9.225.1 Detailed Description

Definition at line 87 of file print-dhcp6.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-dhcp6.c

9.226 dhcp6_relay Struct Reference

Public Attributes

- u_int8_t **dh6relay_msgtype**
- u_int8_t **dh6relay_hcnt**
- u_int8_t **dh6relay_linkaddr** [16]
- u_int8_t **dh6relay_peeraddr** [16]

9.226.1 Detailed Description

Definition at line 99 of file print-dhcp6.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-dhcp6.c

9.227 dhcp6opt Struct Reference

Public Attributes

- u_int16_t **dh6opt_type**
- u_int16_t **dh6opt_len**

9.227.1 Detailed Description

Definition at line 174 of file print-dhcp6.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-dhcp6.c

9.228 dimsg Struct Reference

Public Attributes

- byte **di_flags**
- word **di_dst**
- word **di_src**
- word **di_reason**
- byte **di_optlen**

9.228.1 Detailed Description

Definition at line 446 of file decnet.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/decnet.h

9.229 dlt_choice Struct Reference

Public Attributes

- const char ∗ **name**
- const char ∗ **description**
- int **dlt**

9.229.1 Detailed Description

Definition at line 578 of file pcap.c.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap.c
- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/missing/dlnames.c

9.230 dmae_command Struct Reference

Public Attributes

- u32 **opcode**
- u32 **src_addr_lo**
- u32 **src_addr_hi**
- u32 **dst_addr_lo**
- u32 **dst_addr_hi**
- u32 **comp_addr_lo**
- u32 **comp_addr_hi**
- u32 **comp_val**
- u32 **crc32**
- u32 **crc32_c**

9.230.1 Detailed Description

Definition at line 1527 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.231 dn_naddr Struct Reference

Public Attributes

- u_int16_t **a_len**
- u_int8_t **a_addr** [DN_MAXADDL]

9.231.1 Detailed Description

Definition at line 56 of file decnet.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/decnet.h

9.232 dna_device Struct Reference

Public Attributes

- unsigned long **rx_packet_memory**
- void ∗ **rx_descr_packet_memory**
- unsigned long **tx_packet_memory**
- void ∗ **tx_descr_packet_memory**
- u_int **packet_memory_num_slots**
- u_int **packet_memory_slot_len**
- u_int **packet_memory_tot_len**
- u_int **descr_packet_memory_num_slots**
- u_int **descr_packet_memory_slot_len**
- u_int **descr_packet_memory_tot_len**
- u_int **channel_id**
- char ∗ **phys_card_memory**
- u_int **phys_card_memory_len**
- struct net_device ∗ **netdev**
- dna_device_model **device_model**
- u_char **device_address** [6]
- void ∗ **packet_waitqueue**
- u_int8_t ∗ **interrupt_received**
- u_int8_t **in_use**
- void ∗ **adapter_ptr**
- dna_wait_packet **wait_packet_function_ptr**
- dna_device_notify **usage_notification**
- unsigned long **packet_memory**
- void ∗ **descr_packet_memory**

9.232.1 Detailed Description

Definition at line 522 of file pf_ring.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/kernel/linux/pf_ring.h
- src/extern/PF_RING-4.7.0/legacy/kernel/include/linux/ring.h
- src/extern/PF_RING-4.7.0/legacy/kernel/ring.h

9.233 dna_device_mapping Struct Reference

Public Attributes

- dna_device_operation **operation**
- char **device_name** [8]
- int32_t **channel_id**

9.233.1 Detailed Description

Definition at line 550 of file pf_ring.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/kernel/linux/pf_ring.h
- src/extern/PF_RING-4.7.0/legacy/kernel/include/linux/ring.h
- src/extern/PF_RING-4.7.0/legacy/kernel/ring.h

9.234 doorbell Struct Reference

9.234.1 Detailed Description

Definition at line 1365 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.235 doorbell_hdr Struct Reference

Public Attributes

- u8 **header**

9.235.1 Detailed Description

Definition at line 1350 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.236 doorbell_set_prod Struct Reference

9.236.1 Detailed Description

Definition at line 1381 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.237 dophdr Struct Reference

Public Attributes

- u_int32_t **dh_ts**
- u_int16_t **dh_len**
- u_char **dh_flags**
- u_char **dh_type**

9.237.1 Detailed Description

Definition at line 92 of file print-wb.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-wb.c

9.238 double_regpair Struct Reference

Public Attributes

- u32 **regpair0_lo**
- u32 **regpair0_hi**
- u32 **regpair1_lo**
- u32 **regpair1_hi**

9.238.1 Detailed Description

Definition at line 1595 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.239   drv_ctl_completion Struct Reference

Public Attributes

- u32 **comp_count**

9.239.1   Detailed Description

Definition at line 91 of file cnic_if.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
  if.h

9.240   drv_ctl_info Struct Reference

Public Attributes

- int **cmd**
- union {
    struct drv_ctl_completion **comp**
    struct drv_ctl_io **io**
    struct drv_ctl_l2_ring **ring**
    char **bytes** [MAX_DRV_CTL_DATA]
  } **data**

9.240.1   Detailed Description

Definition at line 115 of file cnic_if.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
  if.h

9.241   drv_ctl_io Struct Reference

Public Attributes

- u32 **cid_addr**
- u32 **offset**
- u32 **data**
- dma_addr_t **dma_addr**

9.241.1 Detailed Description

Definition at line 103 of file cnic_if.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
  if.h

9.242 drv_ctl_l2_ring Struct Reference

Public Attributes

- u32 **client_id**
- u32 **cid**

9.242.1 Detailed Description

Definition at line 110 of file cnic_if.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
  if.h

9.243 drv_func_mb Struct Reference

Public Attributes

- u32 **drv_mb_header**
- u32 **drv_mb_param**
- u32 **fw_mb_header**
- u32 **fw_mb_param**
- u32 **drv_pulse_mb**
- u32 **mcp_pulse_mb**
- u32 **iscsi_boot_signature**
- u32 **iscsi_boot_block_offset**
- u32 **drv_status**
- u32 **virt_mac_upper**
- u32 **virt_mac_lower**

9.243.1 Detailed Description

Definition at line 725 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.244 drv_port_mb Struct Reference

Public Attributes

- u32 **link_status**
- u32 **port_stx**
- u32 **stat_nig_timer**
- u32 **ext_phy_fw_version**

9.244.1 Detailed Description

Definition at line 644 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.245 ds_t Struct Reference

Public Attributes

- u_int8_t **element_id**
- u_int8_t **length**
- u_int8_t **channel**

9.245.1 Detailed Description

Definition at line 174 of file ieee802_11.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ieee802_11.h

9.246 dummy_filter Struct Reference

Public Attributes

- u_int8_t **protocol**
- u_int32_t **src_host**

9.246.1 Detailed Description

Definition at line 28 of file dummy_plugin.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/kernel/plugins/dummy_plugin.h
- src/extern/PF_RING-4.7.0/legacy/kernel/net/ring/plugins/dummy_plugin.c

9.247 dump_hdr Struct Reference

Public Attributes

- u32 **hdr_size**
- struct dump_sign **dump_sign**
- u32 **xstorm_waitp**
- u32 **tstorm_waitp**
- u32 **ustorm_waitp**
- u32 **cstorm_waitp**
- u16 **info**
- u8 **idle_chk**
- u8 **reserved**

9.247.1 Detailed Description

Definition at line 47 of file bnx2x_dump.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-dump.h

9.248 dump_info Struct Reference

Public Attributes

- char ∗ **WFileName**

- char ∗ **CurrentFileName**
- pcap_t ∗ **pd**
- pcap_dumper_t ∗ **p**

9.248.1 Detailed Description

Definition at line 355 of file tcpdump.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/tcpdump.c

9.249 dump_sign Struct Reference

Public Attributes

- u32 **time_stamp**
- u32 **diag_ver**
- u32 **grc_dump_ver**

9.249.1 Detailed Description

Definition at line 20 of file bnx2x_dump.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-dump.h

9.250 DumpImpl Struct Reference

Public Attributes

- DAQ_Module_t ∗ **module**
- void ∗ **handle**
- pcap_dumper_t ∗ **dump**
- char ∗ **name**
- DAQ_Analysis_Func_t **callback**
- void ∗ **user**
- DAQ_Stats_t **stats**

9.250.1 Detailed Description

Definition at line 41 of file daq_dump.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/os-daq-modules/daq_dump.c

9.251 dynamic_hc_config Struct Reference

Public Attributes

- u32 **threshold** [3]
- u8 **shift_per_protocol** [HC_USTORM_SB_NUM_INDICES]
- u8 **hc_timeout0** [HC_USTORM_SB_NUM_INDICES]
- u8 **hc_timeout1** [HC_USTORM_SB_NUM_INDICES]
- u8 **hc_timeout2** [HC_USTORM_SB_NUM_INDICES]
- u8 **hc_timeout3** [HC_USTORM_SB_NUM_INDICES]

9.251.1 Detailed Description

Definition at line 2992 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.252 e1000_adapter Struct Reference

Public Attributes

- struct timer_list **tx_fifo_stall_timer**
- struct timer_list **watchdog_timer**
- struct timer_list **phy_info_timer**
- u32 **bd_number**
- u32 **rx_buffer_len**
- u32 **wol**
- u32 **smartspeed**
- u32 **en_mng_pt**
- u16 **link_speed**
- u16 **link_duplex**
- spinlock_t **stats_lock**
- unsigned int **total_tx_bytes**
- unsigned int **total_tx_packets**

- unsigned int **total_rx_bytes**
- unsigned int **total_rx_packets**
- u32 **itr**
- u32 **itr_setting**
- u16 **tx_itr**
- u16 **rx_itr**
- struct work_struct **reset_task**
- struct work_struct **watchdog_task**
- bool **fc_autoneg**
- struct e1000_tx_ring ∗ **tx_ring**
- unsigned int **restart_queue**
- u32 **txd_cmd**
- u32 **tx_int_delay**
- u32 **tx_abs_int_delay**
- u32 **gotc**
- u64 **gotc_old**
- u64 **tpt_old**
- u64 **colc_old**
- u32 **tx_timeout_count**
- u32 **tx_fifo_head**
- u32 **tx_head_addr**
- u32 **tx_fifo_size**
- u8 **tx_timeout_factor**
- atomic_t **tx_fifo_stall**
- bool **pcix_82544**
- bool **detect_tx_hung**
- bool(∗ **clean_rx**)(struct e1000_adapter ∗adapter, struct e1000_rx_ring ∗rx_ring)

- void(∗ **alloc_rx_buf**)(struct e1000_adapter ∗adapter, struct e1000_rx_ring ∗rx_-ring, int cleaned_count)
- struct e1000_rx_ring ∗ **rx_ring**
- u64 **hw_csum_err**
- u64 **hw_csum_good**
- u32 **alloc_rx_buff_failed**
- u32 **rx_int_delay**
- u32 **rx_abs_int_delay**
- bool **rx_csum**
- u32 **gorc**
- u64 **gorc_old**
- u32 **max_frame_size**
- u32 **min_frame_size**
- struct net_device ∗ **netdev**
- struct pci_dev ∗ **pdev**
- struct net_device_stats **net_stats**
- struct e1000_hw **hw**
- struct e1000_hw_stats **stats**

- struct [e1000_phy_info](#) **phy_info**
- struct [e1000_phy_stats](#) **phy_stats**
- int **msg_enable**
- unsigned long **state**
- u32 **eeprom_wol**
- u32 ∗ **config_space**
- unsigned int **flags**
- u32 **tx_desc_pwr**
- struct work_struct **fifo_stall_task**
- struct work_struct **phy_info_task**
- struct timer_list **blink_timer**
- struct [e1000_info](#) ∗ **ei**
- struct vlan_group ∗ **vlgrp**
- u16 **mng_vlan_id**
- u16 **eeprom_vers**
- struct [e1000_ring](#) ∗tx_ring **____cacheline_aligned_in_smp**
- u32 **tx_dma_failed**
- struct [e1000_ring](#) ∗ **rx_ring**
- u64 **rx_hdr_split**
- u32 **rx_dma_failed**
- unsigned int **rx_ps_pages**
- u16 **rx_ps_bsize0**
- u64 **rx_dropped_backlog**
- struct [e1000_ring](#) **test_tx_ring**
- struct [e1000_ring](#) **test_rx_ring**
- u32 **test_icr**
- u32 **msg_enable**
- u32 **pba**
- u32 **max_hw_frame_size**
- unsigned long **led_status**
- unsigned int **flags2**
- struct work_struct **downshift_task**
- struct work_struct **update_phy_task**
- struct work_struct **led_blink_task**
- struct work_struct **print_hang_task**
- bool **idle_check**
- int **node**
- int **phy_hang_count**

9.252.1 Detailed Description

Definition at line 231 of file e1000.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/e1000.h
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/e1000.h

9.253 e1000_adv_context_desc Struct Reference

Public Attributes

- union {
    u32 **ip_config**
    struct {
      u32 **iplen**:9
      u32 **maclen**:7
      u32 **vlan_tag**:16
    } **fields**
  } **ip_setup**

- u32 **seq_num**
- union {
    u64 **l4_config**
    struct {
      u32 **mkrloc**:9
      u32 **tucmd**:11
      u32 **dtyp**:4
      u32 **adv**:8
      u32 **rsvd**:4
      u32 **idx**:4
      u32 **l4len**:8
      u32 **mss**:16
    } **fields**
  } **l4_setup**

9.253.1 Detailed Description

Definition at line 91 of file e1000_82575.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/e1000_82575.h

9.254 e1000_adv_data_desc Struct Reference

Public Attributes

- __le64 **buffer_addr**
- union {
    u32 **data**
    struct {
      u32 **datalen**:16
      u32 **rsvd**:4

   u32 **dtyp**:4
   u32 **dcmd**:8
  } **config**
 } **lower**

- union {
  u32 **data**
  struct {
   u32 **status**:4
   u32 **idx**:4
   u32 **popts**:6
   u32 **paylen**:18
  } **options**
 } **upper**

9.254.1   Detailed Description

Definition at line 53 of file e1000_82575.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/e1000_82575.h

9.255   e1000_adv_rx_desc Union Reference

Public Attributes

- struct {
  __le64 **pkt_addr**
  __le64 **hdr_addr**
 } **read**

- struct {
  struct {
   union {
    __le32 **data**
    struct {
     __le16 **pkt_info**
     __le16 **hdr_info**
    } **hs_rss**
   } **lo_dword**
   union {
    __le32 **rss**
    struct {
     __le16 **ip_id**
     __le16 **csum**

```
            } csum_ip
          } hi_dword
      } lower
      struct {
          __le32 status_error
          __le16 length
          __le16 vlan
      } upper
  } wb
```

9.255.1 Detailed Description

Definition at line 184 of file e1000_82575.h.

The documentation for this union was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/e1000_82575.h

9.256 e1000_adv_tx_context_desc Struct Reference

Public Attributes

- __le32 **vlan_macip_lens**
- __le32 **seqnum_seed**
- __le32 **type_tucmd_mlhl**
- __le32 **mss_l4len_idx**

9.256.1 Detailed Description

Definition at line 305 of file e1000_82575.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/e1000_82575.h

9.257 e1000_adv_tx_desc Union Reference

Public Attributes

- struct {
  __le64 **buffer_addr**
  __le32 **cmd_type_len**
  __le32 **olinfo_status**
  } **read**

- struct {
    __le64 **rsvd**
    __le32 **nxtseq_seed**
    __le32 **status**
  } **wb**

9.257.1 Detailed Description

Definition at line 270 of file e1000_82575.h.

The documentation for this union was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/e1000_82575.h

9.258 e1000_buffer Struct Reference

Public Attributes

- struct sk_buff ∗ **skb**
- dma_addr_t **dma**
- unsigned long **time_stamp**
- u16 **length**
- u16 **next_to_watch**
- u16 **mapped_as_page**
- union {
    struct {
      unsigned long **time_stamp**
      u16 **length**
      u16 **next_to_watch**
      unsigned int **segs**
      unsigned int **bytecount**
      u16 **mapped_as_page**
    }
    struct {
      struct e1000_ps_page ∗ **ps_pages**
      struct page ∗ **page**
    }
  };

9.258.1 Detailed Description

Definition at line 123 of file e1000.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/e1000.h
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/e1000.h

9.259 e1000_bus_info Struct Reference

Public Attributes

- enum e1000_bus_type **type**
- enum e1000_bus_speed **speed**
- enum e1000_bus_width **width**
- u16 **func**
- u16 **pci_cmd_word**

9.259.1 Detailed Description

Definition at line 659 of file e1000_hw.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/e1000_hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/e1000_hw.h

9.260 e1000_context_desc Struct Reference

Public Attributes

- union {
    __le32 **ip_config**
    struct {
      u8 **ipcss**
      u8 **ipcso**
      __le16 **ipcse**
    } **ip_fields**
  } **lower_setup**

- union {
    __le32 **tcp_config**
    struct {
      u8 **tucss**
      u8 **tucso**
      __le16 **tucse**
    } **tcp_fields**
  } **upper_setup**

- __le32 **cmd_and_length**
- union {
  __le32 **data**
  struct {
    u8 **status**
    u8 **hdr_len**
    __le16 **mss**
  } **fields**
  } **tcp_seg_setup**

- union {
  __le32 **ip_config**
  struct {
    u8 **ipcss**
    u8 **ipcso**
    __le16 **ipcse**
  } **ip_fields**
  } **lower_setup**

- union {
  __le32 **tcp_config**
  struct {
    u8 **tucss**
    u8 **tucso**
    __le16 **tucse**
  } **tcp_fields**
  } **upper_setup**

- union {
  __le32 **data**
  struct {
    u8 **status**
    u8 **hdr_len**
    __le16 **mss**
  } **fields**
  } **tcp_seg_setup**

- union {
  __le32 **ip_config**
  struct {
    u8 **ipcss**
    u8 **ipcso**
    __le16 **ipcse**
  } **ip_fields**
  } **lower_setup**

- union {
  __le32 **tcp_config**
  struct {

      u8 **tucss**

      u8 **tucso**

      __le16 **tucse**

    } **tcp_fields**

  } **upper_setup**

- union {

    __le32 **data**

    struct {

      u8 **status**

      u8 **hdr_len**

      __le16 **mss**

    } **fields**

  } **tcp_seg_setup**

9.260.1 Detailed Description

Definition at line 320 of file e1000_hw.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/e1000_hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/e1000_hw.h

9.261 e1000_data_desc Struct Reference

Public Attributes

- __le64 **buffer_addr**
- union {

    __le32 **data**

    struct {

      __le16 **length**

      u8 **typ_len_ext**

      u8 **cmd**

    } **flags**

  } **lower**

- union {

    __le32 **data**

    struct {

      u8 **status**

      u8 **popts**

      __le16 **special**

    } **fields**

  } **upper**

- union {
    __le32 **data**
    struct {
      __le16 **length**
      u8 **typ_len_ext**
      u8 **cmd**
    } **flags**
  } **lower**

- union {
    __le32 **data**
    struct {
      u8 **status**
      u8 **popts**
      __le16 **special**
    } **fields**
  } **upper**

- union {
    __le32 **data**
    struct {
      __le16 **length**
      u8 **typ_len_ext**
      u8 **cmd**
    } **flags**
  } **lower**

- union {
    __le32 **data**
    struct {
      u8 **status**
      u8 **popts**
      __le16 **special**
    } **fields**
  } **upper**

9.261.1   Detailed Description

Definition at line 349 of file e1000_hw.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/e1000_hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/e1000_hw.h

9.262 e1000_dev_spec_80003es2lan Struct Reference

Public Attributes

- bool **mdic_wa_enable**

9.262.1 Detailed Description

Definition at line 673 of file hw.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/hw.h

9.263 e1000_dev_spec_82541 Struct Reference

Public Attributes

- enum e1000_dsp_config **dsp_config**
- enum e1000_ffe_config **ffe_config**
- u16 **spd_default**
- bool **phy_init_script**

9.263.1 Detailed Description

Definition at line 679 of file e1000_hw.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/e1000_hw.h

9.264 e1000_dev_spec_82542 Struct Reference

Public Attributes

- bool **dma_fairness**

9.264.1 Detailed Description

Definition at line 686 of file e1000_hw.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/e1000_hw.h

9.265 e1000_dev_spec_82543 Struct Reference

Public Attributes

- u32 **tbi_compatibility**
- bool **dma_fairness**
- bool **init_phy_disabled**

9.265.1 Detailed Description

Definition at line 690 of file e1000_hw.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/e1000_hw.h

9.266 e1000_dev_spec_82571 Struct Reference

Public Attributes

- bool **laa_is_present**
- u32 **smb_counter**

9.266.1 Detailed Description

Definition at line 668 of file hw.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/hw.h

9.267 e1000_dev_spec_82575 Struct Reference

Public Attributes

- bool **sgmii_active**
- bool **global_device_reset**
- bool **eee_disable**

9.267.1 Detailed Description

Definition at line 685 of file e1000_hw.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/e1000_hw.h

9.268 e1000_dev_spec_ich8lan Struct Reference

Public Attributes

- bool **kmrn_lock_loss_workaround_enabled**
- struct e1000_shadow_ram **shadow_ram** [E1000_ICH8_SHADOW_RAM_WORDS]

- bool **nvm_k1_enabled**
- bool **eee_disable**

9.268.1 Detailed Description

Definition at line 684 of file hw.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/hw.h

9.269 e1000_dev_spec_vf Struct Reference

Public Attributes

- u32 **vf_number**
- u32 **v2p_mailbox**

9.269.1 Detailed Description

Definition at line 691 of file e1000_hw.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/e1000_hw.h

9.270 e1000_fc_info Struct Reference

Public Attributes

- u32 **high_water**
- u32 **low_water**
- u16 **pause_time**
- u16 **refresh_time**

- bool **send_xon**
- bool **strict_ieee**
- enum e1000_fc_mode **current_mode**
- enum e1000_fc_mode **requested_mode**

9.270.1 Detailed Description

Definition at line 668 of file e1000_hw.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/e1000_hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/e1000_hw.h

9.271 e1000_fw_drv_info Struct Reference

Public Attributes

- struct e1000_fw_hdr **hdr**
- u8 **port_num**
- u32 **drv_version**
- u16 **pad**
- u8 **pad2**

9.271.1 Detailed Description

Definition at line 550 of file igb.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/igb.h

9.272 e1000_fw_hdr Struct Reference

Public Attributes

- u8 **cmd**
- u8 **buf_len**
- union {
    u8 **cmd_resv**
    u8 **ret_status**
  } **cmd_or_resp**

- u8 **checksum**

9.272.1 Detailed Description

Definition at line 540 of file igb.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/igb.h

9.273 e1000_host_command_header Struct Reference

Public Attributes

- u8 **command_id**
- u8 **command_length**
- u8 **command_options**
- u8 **checksum**

9.273.1 Detailed Description

Definition at line 467 of file e1000_hw.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/e1000_hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/e1000_hw.h

9.274 e1000_host_command_info Struct Reference

Public Attributes

- struct e1000_host_command_header **command_header**
- u8 **command_data** [E1000_HI_MAX_DATA_LENGTH]

9.274.1 Detailed Description

Definition at line 475 of file e1000_hw.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/e1000_hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/e1000_hw.h

9.275 e1000_host_mng_command_header Struct Reference

Public Attributes

- u8 **command_id**
- u8 **checksum**
- u16 **reserved1**
- u16 **reserved2**
- u16 **command_length**

9.275.1 Detailed Description

Definition at line 481 of file e1000_hw.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/e1000_hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/e1000_hw.h

9.276 e1000_host_mng_command_info Struct Reference

Public Attributes

- struct e1000_host_mng_command_header **command_header**
- u8 **command_data** [E1000_HI_MAX_MNG_DATA_LENGTH]

9.276.1 Detailed Description

Definition at line 490 of file e1000_hw.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/e1000_hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/e1000_hw.h

9.277 e1000_host_mng_dhcp_cookie Struct Reference

Public Attributes

- u32 **signature**

- u8 **status**
- u8 **reserved0**
- u16 **vlan_id**
- u32 **reserved1**
- u16 **reserved2**
- u8 **reserved3**
- u8 **checksum**

9.277.1 Detailed Description

Definition at line 455 of file e1000_hw.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/e1000_hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/e1000_hw.h

9.278 e1000_hw Struct Reference

Public Attributes

- void ∗ **back**
- u8 __iomem ∗ **hw_addr**
- u8 __iomem ∗ **flash_address**
- unsigned long **io_base**
- struct e1000_mac_info **mac**
- struct e1000_fc_info **fc**
- struct e1000_phy_info **phy**
- struct e1000_nvm_info **nvm**
- struct e1000_bus_info **bus**
- struct e1000_host_mng_dhcp_cookie **mng_cookie**
- union {
    struct e1000_dev_spec_82541 **_82541**
    struct e1000_dev_spec_82542 **_82542**
    struct e1000_dev_spec_82543 **_82543**
  } **dev_spec**

- u16 **device_id**
- u16 **subsystem_vendor_id**
- u16 **subsystem_device_id**
- u16 **vendor_id**
- u8 **revision_id**
- struct e1000_adapter ∗ **adapter**

- union {
    struct e1000_dev_spec_82571 **e82571**
    struct e1000_dev_spec_80003es2lan **e80003es2lan**
    struct e1000_dev_spec_ich8lan **ich8lan**
  } **dev_spec**

- struct e1000_mbx_info **mbx**
- union {
    struct e1000_dev_spec_82575 **_82575**
    struct e1000_dev_spec_vf **vf**
  } **dev_spec**

9.278.1 Detailed Description

Definition at line 696 of file e1000_hw.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/e1000_hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/e1000_hw.h

9.279 e1000_hw_stats Struct Reference

Public Attributes

- u64 **crcerrs**
- u64 **algnerrc**
- u64 **symerrs**
- u64 **rxerrc**
- u64 **mpc**
- u64 **scc**
- u64 **ecol**
- u64 **mcc**
- u64 **latecol**
- u64 **colc**
- u64 **dc**
- u64 **tncrs**
- u64 **sec**
- u64 **cexterr**
- u64 **rlec**
- u64 **xonrxc**
- u64 **xontxc**
- u64 **xoffrxc**
- u64 **xofftxc**

- u64 **fcruc**
- u64 **prc64**
- u64 **prc127**
- u64 **prc255**
- u64 **prc511**
- u64 **prc1023**
- u64 **prc1522**
- u64 **gprc**
- u64 **bprc**
- u64 **mprc**
- u64 **gptc**
- u64 **gorc**
- u64 **gotc**
- u64 **rnbc**
- u64 **ruc**
- u64 **rfc**
- u64 **roc**
- u64 **rjc**
- u64 **mgprc**
- u64 **mgpdc**
- u64 **mgptc**
- u64 **tor**
- u64 **tot**
- u64 **tpr**
- u64 **tpt**
- u64 **ptc64**
- u64 **ptc127**
- u64 **ptc255**
- u64 **ptc511**
- u64 **ptc1023**
- u64 **ptc1522**
- u64 **mptc**
- u64 **bptc**
- u64 **tsctc**
- u64 **tsctfc**
- u64 **iac**
- u64 **icrxptc**
- u64 **icrxatc**
- u64 **ictxptc**
- u64 **ictxatc**
- u64 **ictxqec**
- u64 **ictxqmtc**
- u64 **icrxdmtc**
- u64 **icrxoc**
- u64 **cbtmpc**
- u64 **htdpmc**

- u64 **cbrdpc**
- u64 **cbrmpc**
- u64 **rpthc**
- u64 **hgptc**
- u64 **htcbdpc**
- u64 **hgorc**
- u64 **hgotc**
- u64 **lenerrs**
- u64 **scvpc**
- u64 **hrmpc**
- u64 **doosync**
- u64 **o2bgptc**
- u64 **o2bspc**
- u64 **b2ospc**
- u64 **b2ogprc**

9.279.1 Detailed Description

Definition at line 370 of file e1000_hw.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/e1000_hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/e1000_hw.h

9.280   e1000_info Struct Reference

Public Attributes

- enum e1000_mac_type **mac**
- unsigned int **flags**
- unsigned int **flags2**
- u32 **pba**
- u32 **max_hw_frame_size**
- s32(∗ **get_variants**)(struct e1000_adapter ∗)
- void(∗ **init_ops**)(struct e1000_hw ∗)

9.280.1   Detailed Description

Definition at line 371 of file e1000.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/e1000.h

9.281 e1000_mac_info Struct Reference

Public Attributes

- struct e1000_mac_operations **ops**
- u8 **addr** [6]
- u8 **perm_addr** [6]
- enum e1000_mac_type **type**
- u32 **collision_delta**
- u32 **ledctl_default**
- u32 **ledctl_mode1**
- u32 **ledctl_mode2**
- u32 **mc_filter_type**
- u32 **tx_packet_delta**
- u32 **txcw**
- u16 **current_ifs_val**
- u16 **ifs_max_val**
- u16 **ifs_min_val**
- u16 **ifs_ratio**
- u16 **ifs_step_size**
- u16 **mta_reg_count**
- u32 **mta_shadow** [MAX_MTA_REG]
- u16 **rar_entry_count**
- u8 **forced_speed_duplex**
- bool **adaptive_ifs**
- bool **has_fwsm**
- bool **arc_subsystem_valid**
- bool **asf_firmware_present**
- bool **autoneg**
- bool **autoneg_failed**
- bool **get_link_status**
- bool **in_ifs_mode**
- bool **report_tx_early**
- enum e1000_serdes_link_state **serdes_link_state**
- bool **serdes_has_link**
- bool **tx_pkt_filtering**
- u16 **uta_reg_count**

9.281.1 Detailed Description

Definition at line 567 of file e1000_hw.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/e1000_hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/e1000_hw.h

9.282 e1000_mac_operations Struct Reference

Public Attributes

- s32(∗ **init_params**)(struct e1000_hw ∗)
- s32(∗ **id_led_init**)(struct e1000_hw ∗)
- s32(∗ **blink_led**)(struct e1000_hw ∗)
- s32(∗ **check_for_link**)(struct e1000_hw ∗)
- bool(∗ **check_mng_mode**)(struct e1000_hw ∗hw)
- s32(∗ **cleanup_led**)(struct e1000_hw ∗)
- void(∗ **clear_hw_cntrs**)(struct e1000_hw ∗)
- void(∗ **clear_vfta**)(struct e1000_hw ∗)
- s32(∗ **get_bus_info**)(struct e1000_hw ∗)
- void(∗ **set_lan_id**)(struct e1000_hw ∗)
- s32(∗ **get_link_up_info**)(struct e1000_hw ∗, u16 ∗, u16 ∗)
- s32(∗ **led_on**)(struct e1000_hw ∗)
- s32(∗ **led_off**)(struct e1000_hw ∗)
- void(∗ **update_mc_addr_list**)(struct e1000_hw ∗, u8 ∗, u32)
- s32(∗ **reset_hw**)(struct e1000_hw ∗)
- s32(∗ **init_hw**)(struct e1000_hw ∗)
- s32(∗ **setup_link**)(struct e1000_hw ∗)
- s32(∗ **setup_physical_interface**)(struct e1000_hw ∗)
- s32(∗ **setup_led**)(struct e1000_hw ∗)
- void(∗ **write_vfta**)(struct e1000_hw ∗, u32, u32)
- void(∗ **config_collision_dist**)(struct e1000_hw ∗)
- void(∗ **rar_set**)(struct e1000_hw ∗, u8 ∗, u32)
- s32(∗ **read_mac_addr**)(struct e1000_hw ∗)
- s32(∗ **validate_mdi_setting**)(struct e1000_hw ∗)
- s32(∗ **mng_host_if_write**)(struct e1000_hw ∗, u8 ∗, u16, u16, u8 ∗)
- s32(∗ **mng_write_cmd_header**)(struct e1000_hw ∗hw, struct e1000_host_mng_-command_header ∗)
- s32(∗ **mng_enable_host_if**)(struct e1000_hw ∗)
- s32(∗ **wait_autoneg**)(struct e1000_hw ∗)
- void(∗ **shutdown_serdes**)(struct e1000_hw ∗)
- void(∗ **power_up_serdes**)(struct e1000_hw ∗)

9.282.1 Detailed Description

Definition at line 500 of file e1000_hw.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/e1000_hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/e1000_hw.h

9.283 e1000_mbx_info Struct Reference

Public Attributes

- struct e1000_mbx_operations **ops**
- struct e1000_mbx_stats **stats**
- u32 **timeout**
- u32 **usec_delay**
- u16 **size**

9.283.1 Detailed Description

Definition at line 677 of file e1000_hw.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/e1000_hw.h

9.284 e1000_mbx_operations Struct Reference

Public Attributes

- s32(∗ **init_params**)(struct e1000_hw ∗hw)
- s32(∗ **read**)(struct e1000_hw ∗, u32 ∗, u16, u16)
- s32(∗ **write**)(struct e1000_hw ∗, u32 ∗, u16, u16)
- s32(∗ **read_posted**)(struct e1000_hw ∗, u32 ∗, u16, u16)
- s32(∗ **write_posted**)(struct e1000_hw ∗, u32 ∗, u16, u16)
- s32(∗ **check_for_msg**)(struct e1000_hw ∗, u16)
- s32(∗ **check_for_ack**)(struct e1000_hw ∗, u16)
- s32(∗ **check_for_rst**)(struct e1000_hw ∗, u16)

9.284.1 Detailed Description

Definition at line 657 of file e1000_hw.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/e1000_hw.h

9.285 e1000_mbx_stats Struct Reference

Public Attributes

- u32 **msgs_tx**

- u32 **msgs_rx**
- u32 **acks**
- u32 **reqs**
- u32 **rsts**

9.285.1 Detailed Description

Definition at line 668 of file e1000_hw.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/e1000_hw.h

9.286 e1000_nvm_info Struct Reference

Public Attributes

- struct e1000_nvm_operations **ops**
- enum e1000_nvm_type **type**
- enum e1000_nvm_override **override**
- u32 **flash_bank_size**
- u32 **flash_base_addr**
- u16 **word_size**
- u16 **delay_usec**
- u16 **address_bits**
- u16 **opcode_bits**
- u16 **page_size**

9.286.1 Detailed Description

Definition at line 644 of file e1000_hw.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/e1000_hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/e1000_hw.h

9.287 e1000_nvm_operations Struct Reference

Public Attributes

- s32(∗ **init_params**)(struct e1000_hw ∗)
- s32(∗ **acquire**)(struct e1000_hw ∗)

- s32(∗ **read**)(struct [e1000_hw](#) ∗, u16, u16, u16 ∗)
- void(∗ **release**)(struct [e1000_hw](#) ∗)
- void(∗ **reload**)(struct [e1000_hw](#) ∗)
- s32(∗ **update**)(struct [e1000_hw](#) ∗)
- s32(∗ **valid_led_default**)(struct [e1000_hw](#) ∗, u16 ∗)
- s32(∗ **validate**)(struct [e1000_hw](#) ∗)
- s32(∗ **write**)(struct [e1000_hw](#) ∗, u16, u16, u16 ∗)

9.287.1 Detailed Description

Definition at line 555 of file e1000_hw.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/e1000_hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/e1000_hw.h

9.288 e1000_option Struct Reference

Public Types

- enum { **enable_option**, **range_option**, **list_option** }
- enum { **enable_option**, **range_option**, **list_option** }

Public Attributes

- enum e1000_option:: { ... } **type**
- const char ∗ **name**
- const char ∗ **err**
- int **def**
- union {
    struct {
      int **min**
      int **max**
    } **r**
    struct {
      int **nr**
      struct **e1000_opt_list** {
        int **i**
        char ∗ **str**
      } **p**
    } **l**
  } **arg**

- enum e1000_option:: { ... } **type**
- union {
    struct {
      int **min**
      int **max**
    } **r**
    struct {
      int **nr**
      struct **e1000_opt_list** {
        int **i**
        char ∗ **str**
      } **p**
    } **l**
  } **arg**

9.288.1 Detailed Description

Definition at line 235 of file e1000_param.c.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/e1000_param.c
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/param.c

9.289 e1000_phy_info Struct Reference

Public Attributes

- struct [e1000_phy_operations](#) **ops**
- enum e1000_phy_type **type**
- enum e1000_1000t_rx_status **local_rx**
- enum e1000_1000t_rx_status **remote_rx**
- enum e1000_ms_type **ms_type**
- enum e1000_ms_type **original_ms_type**
- enum e1000_rev_polarity **cable_polarity**
- enum e1000_smart_speed **smart_speed**
- u32 **addr**
- u32 **id**
- u32 **reset_delay_us**
- u32 **revision**
- enum e1000_media_type **media_type**
- u16 **autoneg_advertised**
- u16 **autoneg_mask**
- u16 **cable_length**
- u16 **max_cable_length**

- u16 **min_cable_length**
- u8 **mdix**
- bool **disable_polarity_correction**
- bool **is_mdix**
- bool **polarity_correction**
- bool **reset_disable**
- bool **speed_downgraded**
- bool **autoneg_wait_to_complete**

9.289.1 Detailed Description

Definition at line 610 of file e1000_hw.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/e1000_hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/e1000_hw.h

9.290 e1000_phy_operations Struct Reference

Public Attributes

- s32(∗ **init_params**)(struct e1000_hw ∗)
- s32(∗ **acquire**)(struct e1000_hw ∗)
- s32(∗ **check_polarity**)(struct e1000_hw ∗)
- s32(∗ **check_reset_block**)(struct e1000_hw ∗)
- s32(∗ **commit**)(struct e1000_hw ∗)
- s32(∗ **force_speed_duplex**)(struct e1000_hw ∗)
- s32(∗ **get_cfg_done**)(struct e1000_hw ∗hw)
- s32(∗ **get_cable_length**)(struct e1000_hw ∗)
- s32(∗ **get_info**)(struct e1000_hw ∗)
- s32(∗ **read_reg**)(struct e1000_hw ∗, u32, u16 ∗)
- s32(∗ **read_reg_locked**)(struct e1000_hw ∗, u32, u16 ∗)
- void(∗ **release**)(struct e1000_hw ∗)
- s32(∗ **reset**)(struct e1000_hw ∗)
- s32(∗ **set_d0_lplu_state**)(struct e1000_hw ∗, bool)
- s32(∗ **set_d3_lplu_state**)(struct e1000_hw ∗, bool)
- s32(∗ **write_reg**)(struct e1000_hw ∗, u32, u16)
- s32(∗ **write_reg_locked**)(struct e1000_hw ∗, u32, u16)
- void(∗ **power_up**)(struct e1000_hw ∗)
- void(∗ **power_down**)(struct e1000_hw ∗)
- s32(∗ **cfg_on_link_up**)(struct e1000_hw ∗)

9.290.1 Detailed Description

Definition at line 533 of file e1000_hw.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/e1000_hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/e1000_hw.h

9.291 e1000_phy_stats Struct Reference

Public Attributes

- u32 **idle_errors**
- u32 **receive_errors**

9.291.1 Detailed Description

Definition at line 450 of file e1000_hw.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/e1000_hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/e1000_hw.h

9.292 e1000_ps_page Struct Reference

Public Attributes

- struct page ∗ **page**
- u64 **dma**

9.292.1 Detailed Description

Definition at line 147 of file e1000.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/e1000.h

9.293 e1000_queue_stats Struct Reference

Public Attributes

- u64 **packets**
- u64 **bytes**

9.293.1 Detailed Description

Definition at line 142 of file e1000.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/e1000.h

9.294 e1000_reg_info Struct Reference

Public Attributes

- u32 **ofs**
- char ∗ **name**

9.294.1 Detailed Description

Definition at line 363 of file netdev.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/netdev.c

9.295 e1000_ring Struct Reference

Public Attributes

- void ∗ **desc**
- dma_addr_t **dma**
- unsigned int **size**
- unsigned int **count**
- u16 **next_to_use**
- u16 **next_to_clean**
- u16 **head**
- u16 **tail**
- struct e1000_buffer ∗ **buffer_info**
- struct sk_buff ∗ **rx_skb_top**
- struct e1000_queue_stats **stats**

9.295.1 Detailed Description

Definition at line 178 of file e1000.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/e1000.h

9.296 e1000_rx_buffer Struct Reference

Public Attributes

- struct sk_buff ∗ **skb**
- dma_addr_t **dma**
- struct page ∗ **page**

9.296.1 Detailed Description

Definition at line 132 of file e1000.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/e1000.h

9.297 e1000_rx_desc Struct Reference

Public Attributes

- __le64 **buffer_addr**
- __le16 **length**
- __le16 **csum**
- u8 **status**
- u8 **errors**
- __le16 **special**

9.297.1 Detailed Description

Definition at line 233 of file e1000_hw.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/e1000_hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/e1000_hw.h

9.298   e1000_rx_desc_extended Union Reference

Public Attributes

- struct {
    __le64 **buffer_addr**
    __le64 **reserved**
   } **read**

- struct {
   struct {
    __le32 **mrq**
    union {
     __le32 **rss**
     struct {
      __le16 **ip_id**
      __le16 **csum**
     } **csum_ip**
    } **hi_dword**
   } **lower**
   struct {
    __le32 **status_error**
    __le16 **length**
    __le16 **vlan**
   } **upper**
   } **wb**

- struct {
    __le64 **buffer_addr**
    __le64 **reserved**
   } **read**

- struct {
   struct {
    __le32 **mrq**
    union {
     __le32 **rss**
     struct {
      __le16 **ip_id**
      __le16 **csum**
     } **csum_ip**
    } **hi_dword**
   } **lower**
   struct {
    __le32 **status_error**
    __le16 **length**
    __le16 **vlan**
   } **upper**
   } **wb**

- struct {
    __le64 **buffer_addr**
    __le64 **reserved**
  } **read**

- struct {
    struct {
       __le32 **mrq**
       union {
          __le32 **rss**
          struct {
             __le16 **ip_id**
             __le16 **csum**
          } **csum_ip**
       } **hi_dword**
    } **lower**
    struct {
       __le32 **status_error**
       __le16 **length**
       __le16 **vlan**
    } **upper**
  } **wb**

9.298.1 Detailed Description

Definition at line 243 of file e1000_hw.h.

The documentation for this union was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/e1000_hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/e1000_hw.h

9.299 e1000_rx_desc_packet_split Union Reference

Public Attributes

- struct {
    __le64 **buffer_addr** [MAX_PS_BUFFERS]
  } **read**

- struct {
    struct {
       __le32 **mrq**
       union {

      __le32 **rss**

     struct {

       __le16 **ip_id**

       __le16 **csum**

     } **csum_ip**

    } **hi_dword**

   } **lower**

   struct {

    __le32 **status_error**

    __le16 **length0**

    __le16 **vlan**

   } **middle**

   struct {

    __le16 **header_status**

    __le16 **length** [3]

   } **upper**

   __le64 **reserved**

  } **wb**

- struct {

   __le64 **buffer_addr** [MAX_PS_BUFFERS]

  } **read**

- struct {

   struct {

    __le32 **mrq**

    union {

     __le32 **rss**

     struct {

       __le16 **ip_id**

       __le16 **csum**

     } **csum_ip**

    } **hi_dword**

   } **lower**

   struct {

    __le32 **status_error**

    __le16 **length0**

    __le16 **vlan**

   } **middle**

   struct {

    __le16 **header_status**

    __le16 **length** [3]

   } **upper**

   __le64 **reserved**

  } **wb**

- struct {

   __le64 **buffer_addr** [MAX_PS_BUFFERS]

  } **read**

- struct {
    - struct {
        - __le32 **mrq**
        - union {
            - __le32 **rss**
            - struct {
                - __le16 **ip_id**
                - __le16 **csum**
            - } **csum_ip**
        - } **hi_dword**
    - } **lower**
    - struct {
        - __le32 **status_error**
        - __le16 **length0**
        - __le16 **vlan**
    - } **middle**
    - struct {
        - __le16 **header_status**
        - __le16 **length** [3]
    - } **upper**
    - __le64 **reserved**
- } **wb**

9.299.1 Detailed Description

Definition at line 269 of file e1000_hw.h.

The documentation for this union was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/e1000_hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/e1000_hw.h

9.300 e1000_rx_ring Struct Reference

Public Attributes

- struct e1000_adapter ∗ **adapter**
- void ∗ **desc**
- dma_addr_t **dma**
- unsigned int **size**
- unsigned int **count**
- unsigned int **next_to_use**
- unsigned int **next_to_clean**
- struct e1000_rx_buffer ∗ **buffer_info**
- struct sk_buff ∗ **rx_skb_top**

- int **cpu**
- u16 **rdh**
- u16 **rdt**

9.300.1 Detailed Description

Definition at line 168 of file e1000.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/e1000.h

9.301 e1000_shadow_ram Struct Reference

Public Attributes

- u16 **value**
- bool **modified**

9.301.1 Detailed Description

Definition at line 677 of file hw.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/hw.h

9.302 e1000_tx_desc Struct Reference

Public Attributes

- __le64 **buffer_addr**
- union {
    __le32 **data**
    struct {
      __le16 **length**
      u8 **cso**
      u8 **cmd**
    } **flags**
  } **lower**

- union {
    __le32 **data**
    struct {
      u8 **status**

   u8 **css**
    __le16 **special**
  } **fields**
 } **upper**

- union {
   __le32 **data**
  struct {
    __le16 **length**
   u8 **cso**
   u8 **cmd**
  } **flags**
 } **lower**

- union {
   __le32 **data**
  struct {
   u8 **status**
   u8 **css**
    __le16 **special**
  } **fields**
 } **upper**

- union {
   __le32 **data**
  struct {
    __le16 **length**
   u8 **cso**
   u8 **cmd**
  } **flags**
 } **lower**

- union {
   __le32 **data**
  struct {
   u8 **status**
   u8 **css**
    __le16 **special**
  } **fields**
 } **upper**

9.302.1   Detailed Description

Definition at line 299 of file e1000_hw.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/e1000_hw.h

- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/hw.h
- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/e1000_hw.h

9.303   e1000_tx_ring Struct Reference

Public Attributes

- void ∗ **desc**
- dma_addr_t **dma**
- unsigned int **size**
- unsigned int **count**
- unsigned int **next_to_use**
- unsigned int **next_to_clean**
- struct e1000_buffer ∗ **buffer_info**
- u16 **tdh**
- u16 **tdt**
- unsigned int **step**
- bool **last_tx_tso**

9.303.1   Detailed Description

Definition at line 138 of file e1000.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/e1000.h

9.304   eap_frame_t Struct Reference

Public Attributes

- unsigned char **version**
- unsigned char **type**
- unsigned char **length** [2]

9.304.1   Detailed Description

Definition at line 50 of file print-eap.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-eap.c

9.305 eap_packet_t Struct Reference

Public Attributes

- unsigned char **code**
- unsigned char **id**
- unsigned char **length** [2]

9.305.1 Detailed Description

Definition at line 66 of file print-eap.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-eap.c

9.306 edge Struct Reference

Public Attributes

- int **id**
- int **code**
- uset **edom**
- struct block ∗ **succ**
- struct block ∗ **pred**
- struct edge ∗ **next**

9.306.1 Detailed Description

Definition at line 225 of file gencode.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/gencode.h
- src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/sfbpf/gencode.h

9.307 egp_packet Struct Reference

Public Attributes

- u_int8_t **egp_version**
- u_int8_t **egp_type**
- u_int8_t **egp_code**
- u_int8_t **egp_status**

- u_int16_t **egp_checksum**
- u_int16_t **egp_as**
- u_int16_t **egp_sequence**
- union {
    u_int16_t **egpu_hello**
    u_int8_t **egpu_gws** [2]
    u_int16_t **egpu_reason**
  } **egp_handg**

- union {
    u_int16_t **egpu_poll**
    u_int32_t **egpu_sourcenet**
  } **egp_pands**

9.307.1 Detailed Description

Definition at line 40 of file print-egp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-egp.c

9.308 ehellomsg Struct Reference

Public Attributes

- byte **eh_flags**
- byte **eh_vers**
- byte **eh_eco**
- byte **eh_ueco**
- [etheraddr] **eh_src**
- byte **eh_info**
- word **eh_blksize**
- byte **eh_area**
- byte **eh_seed** [8]
- [etheraddr] **eh_router**
- word **eh_hello**
- byte **eh_mpd**
- byte **eh_data**

9.308.1 Detailed Description

Definition at line 221 of file decnet.h.

The documentation for this struct was generated from the following file:

• src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/decnet.h

9.309 eigrp_common_header Struct Reference

Public Attributes

• u_int8_t **version**
• u_int8_t **opcode**
• u_int8_t **checksum** [2]
• u_int8_t **flags** [4]
• u_int8_t **seq** [4]
• u_int8_t **ack** [4]
• u_int8_t **asn** [4]

9.309.1 Detailed Description

Definition at line 41 of file print-eigrp.c.

The documentation for this struct was generated from the following file:

• src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-eigrp.c

9.310 eigrp_tlv_at_cable_setup_t Struct Reference

Public Attributes

• u_int8_t **cable_start** [2]
• u_int8_t **cable_end** [2]
• u_int8_t **router_id** [4]

9.310.1 Detailed Description

Definition at line 160 of file print-eigrp.c.

The documentation for this struct was generated from the following file:

• src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-eigrp.c

9.311 eigrp_tlv_at_ext_t Struct Reference

Public Attributes

• u_int8_t **nexthop** [4]

- u_int8_t **origin_router** [4]
- u_int8_t **origin_as** [4]
- u_int8_t **tag** [4]
- u_int8_t **proto_id**
- u_int8_t **flags**
- u_int8_t **metric** [2]
- u_int8_t **delay** [4]
- u_int8_t **bandwidth** [4]
- u_int8_t **mtu** [3]
- u_int8_t **hopcount**
- u_int8_t **reliability**
- u_int8_t **load**
- u_int8_t **reserved2** [2]
- u_int8_t **cable_start** [2]
- u_int8_t **cable_end** [2]

9.311.1 Detailed Description

Definition at line 179 of file print-eigrp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-eigrp.c

9.312 eigrp_tlv_at_int_t Struct Reference

Public Attributes

- u_int8_t **nexthop** [4]
- u_int8_t **delay** [4]
- u_int8_t **bandwidth** [4]
- u_int8_t **mtu** [3]
- u_int8_t **hopcount**
- u_int8_t **reliability**
- u_int8_t **load**
- u_int8_t **reserved** [2]
- u_int8_t **cable_start** [2]
- u_int8_t **cable_end** [2]

9.312.1 Detailed Description

Definition at line 166 of file print-eigrp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-eigrp.c

9.313 eigrp_tlv_general_parm_t Struct Reference

Public Attributes

- u_int8_t **k1**
- u_int8_t **k2**
- u_int8_t **k3**
- u_int8_t **k4**
- u_int8_t **k5**
- u_int8_t **res**
- u_int8_t **holdtime** [2]

9.313.1 Detailed Description

Definition at line 110 of file print-eigrp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-eigrp.c

9.314 eigrp_tlv_header Struct Reference

Public Attributes

- u_int8_t **type** [2]
- u_int8_t **length** [2]

9.314.1 Detailed Description

Definition at line 76 of file print-eigrp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-eigrp.c

9.315 eigrp_tlv_ip_ext_t Struct Reference

Public Attributes

- u_int8_t **nexthop** [4]
- u_int8_t **origin_router** [4]
- u_int8_t **origin_as** [4]
- u_int8_t **tag** [4]
- u_int8_t **metric** [4]

- u_int8_t **reserved** [2]
- u_int8_t **proto_id**
- u_int8_t **flags**
- u_int8_t **delay** [4]
- u_int8_t **bandwidth** [4]
- u_int8_t **mtu** [3]
- u_int8_t **hopcount**
- u_int8_t **reliability**
- u_int8_t **load**
- u_int8_t **reserved2** [2]
- u_int8_t **plen**
- u_int8_t **destination**

9.315.1 Detailed Description

Definition at line 140 of file print-eigrp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-eigrp.c

9.316 eigrp_tlv_ip_int_t Struct Reference

Public Attributes

- u_int8_t **nexthop** [4]
- u_int8_t **delay** [4]
- u_int8_t **bandwidth** [4]
- u_int8_t **mtu** [3]
- u_int8_t **hopcount**
- u_int8_t **reliability**
- u_int8_t **load**
- u_int8_t **reserved** [2]
- u_int8_t **plen**
- u_int8_t **destination**

9.316.1 Detailed Description

Definition at line 127 of file print-eigrp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-eigrp.c

9.317 eigrp_tlv_sw_version_t Struct Reference

Public Attributes

- u_int8_t **ios_major**
- u_int8_t **ios_minor**
- u_int8_t **eigrp_major**
- u_int8_t **eigrp_minor**

9.317.1 Detailed Description

Definition at line 120 of file print-eigrp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-eigrp.c

9.318 emac_stats Struct Reference

Public Attributes

- u32 **rx_stat_ifhcinoctets**
- u32 **rx_stat_ifhcinbadoctets**
- u32 **rx_stat_etherstatsfragments**
- u32 **rx_stat_ifhcinucastpkts**
- u32 **rx_stat_ifhcinmulticastpkts**
- u32 **rx_stat_ifhcinbroadcastpkts**
- u32 **rx_stat_dot3statsfcserrors**
- u32 **rx_stat_dot3statsalignmenterrors**
- u32 **rx_stat_dot3statscarriersenseerrors**
- u32 **rx_stat_xonpauseframesreceived**
- u32 **rx_stat_xoffpauseframesreceived**
- u32 **rx_stat_maccontrolframesreceived**
- u32 **rx_stat_xoffstateentered**
- u32 **rx_stat_dot3statsframestoolong**
- u32 **rx_stat_etherstatsjabbers**
- u32 **rx_stat_etherstatsundersizepkts**
- u32 **rx_stat_etherstatspkts64octets**
- u32 **rx_stat_etherstatspkts65octetsto127octets**
- u32 **rx_stat_etherstatspkts128octetsto255octets**
- u32 **rx_stat_etherstatspkts256octetsto511octets**
- u32 **rx_stat_etherstatspkts512octetsto1023octets**
- u32 **rx_stat_etherstatspkts1024octetsto1522octets**
- u32 **rx_stat_etherstatspktsover1522octets**
- u32 **rx_stat_falsecarriererrors**

- u32 **tx_stat_ifhcoutoctets**
- u32 **tx_stat_ifhcoutbadoctets**
- u32 **tx_stat_etherstatscollisions**
- u32 **tx_stat_outxonsent**
- u32 **tx_stat_outxoffsent**
- u32 **tx_stat_flowcontroldone**
- u32 **tx_stat_dot3statssinglecollisionframes**
- u32 **tx_stat_dot3statsmultiplecollisionframes**
- u32 **tx_stat_dot3statsdeferredtransmissions**
- u32 **tx_stat_dot3statsexcessivecollisions**
- u32 **tx_stat_dot3statslatecollisions**
- u32 **tx_stat_ifhcoutucastpkts**
- u32 **tx_stat_ifhcoutmulticastpkts**
- u32 **tx_stat_ifhcoutbroadcastpkts**
- u32 **tx_stat_etherstatspkts64octets**
- u32 **tx_stat_etherstatspkts65octetsto127octets**
- u32 **tx_stat_etherstatspkts128octetsto255octets**
- u32 **tx_stat_etherstatspkts256octetsto511octets**
- u32 **tx_stat_etherstatspkts512octetsto1023octets**
- u32 **tx_stat_etherstatspkts1024octetsto1522octets**
- u32 **tx_stat_etherstatspktsover1522octets**
- u32 **tx_stat_dot3statsinternalmactransmiterrors**

9.318.1 Detailed Description

Definition at line 994 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.319 enamemem Struct Reference

Public Attributes

- u_short **e_addr0**
- u_short **e_addr1**
- u_short **e_addr2**
- const char ∗ **e_name**
- u_char ∗ **e_nsap**
- struct enamemem ∗ **e_nxt**

9.319.1 Detailed Description

Definition at line 146 of file addrtoname.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/addrtoname.c

9.320 enchdr Struct Reference

Public Attributes

- u_int32_t **af**
- u_int32_t **spi**
- u_int32_t **flags**

9.320.1 Detailed Description

Definition at line 43 of file enc.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/enc.h

9.321 enhanced_packet_block Struct Reference

Public Attributes

- bpf_u_int32 **interface_id**
- bpf_u_int32 **timestamp_high**
- bpf_u_int32 **timestamp_low**
- bpf_u_int32 **caplen**
- bpf_u_int32 **len**

9.321.1 Detailed Description

Definition at line 159 of file sf-pcap-ng.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/sf-pcap-ng.c

9.322 entry Struct Reference

Public Attributes

- uint32_t **code**
- const char ∗ **name**

9.322.1 Detailed Description

Definition at line 30 of file sf_bpf_printer.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/sfbpf/sf_bpf_printer.c

9.323 ep_handles Struct Reference

Public Attributes

- u32 **fw_cid**
- u32 **drv_iscsi_cid**
- u16 **pg_cid**
- u16 **rsvd**

9.323.1 Detailed Description

Definition at line 618 of file bnx2i.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/bnx2i.h

9.324 eproto Struct Reference

Public Attributes

- const char ∗ **s**
- u_short **p**

9.324.1   Detailed Description

Definition at line 276 of file nametoaddr.c.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/nametoaddr.c
- src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/sfbpf/sf_nametoaddr.c
- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/addrtoname.c

9.325   err_code_struct Struct Reference

Public Attributes

- const char ∗ **name**
- int **code**
- const char ∗ **message**

9.325.1   Detailed Description

Definition at line 865 of file smbutil.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/smbutil.c

9.326   esis_header_t Struct Reference

Public Attributes

- u_int8_t **nlpid**
- u_int8_t **length_indicator**
- u_int8_t **version**
- u_int8_t **reserved**
- u_int8_t **type**
- u_int8_t **holdtime** [2]
- u_int8_t **cksum** [2]

9.326.1   Detailed Description

Definition at line 965 of file print-isoclns.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-isoclns.c

9.327 esp Struct Reference

Public Attributes

- u_int32_t **esp_spi**

9.327.1 Detailed Description

Definition at line 40 of file esp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/esp.h

9.328 esptail Struct Reference

Public Attributes

- u_int8_t **esp_padlen**
- u_int8_t **esp_nxt**

9.328.1 Detailed Description

Definition at line 62 of file esp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/esp.h

9.329 eth_client_setup_ramrod_data Struct Reference

Public Attributes

- u32 **client_id**
- u8 **is_rdma**
- u8 **is_fcoe**
- u16 **reserved1**

9.329.1 Detailed Description

Definition at line 2401 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.330 eth_context Struct Reference

Public Attributes

- struct ustorm_eth_st_context **ustorm_st_context**
- struct tstorm_eth_st_context **tstorm_st_context**
- struct xstorm_eth_ag_context **xstorm_ag_context**
- struct tstorm_eth_ag_context **tstorm_ag_context**
- struct cstorm_eth_ag_context **cstorm_ag_context**
- struct ustorm_eth_ag_context **ustorm_ag_context**
- struct timers_block_context **timers_context**
- struct xstorm_eth_st_context **xstorm_st_context**
- struct cstorm_eth_st_context **cstorm_st_context**

9.330.1 Detailed Description

Definition at line 2270 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.331 eth_fast_path_rx_cqe Struct Reference

Public Attributes

- u8 **type_error_flags**
- u8 **status_flags**
- u8 **placement_offset**
- u8 **queue_index**
- __le32 **rss_hash_result**
- __le16 **vlan_tag**
- __le16 **pkt_len**
- __le16 **len_on_bd**
- struct parsing_flags **pars_flags**
- __le16 **sgl** [8]

9.331.1 Detailed Description

Definition at line 2412 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-
hsi.h

9.332 eth_halt_ramrod_data Struct Reference

Public Attributes

- u32 **client_id**
- u32 **reserved0**

9.332.1 Detailed Description

Definition at line 2455 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-
hsi.h

9.333 eth_hdr Struct Reference

Public Attributes

- unsigned char **h_dest** [ETH_ALEN]
- unsigned char **h_source** [ETH_ALEN]
- u_int16_t **h_proto**

9.333.1 Detailed Description

Definition at line 6 of file pfring_utils.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/lib/pfring_utils.h

9.334 eth_local_rx_rings Struct Reference

Public Attributes

- struct eth_rx_bd **__local_bd_ring** [8]
- struct eth_rx_sge **__local_sge_ring** [10]

9.334.1 Detailed Description

Definition at line 1715 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.335 eth_query_ramrod_data Struct Reference

Public Attributes

- u32 **ctr_id_vector**

9.335.1 Detailed Description

Definition at line 2464 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.336 eth_ramrod_data Union Reference

Public Attributes

- struct ramrod_data **general**

9.336.1 Detailed Description

Definition at line 2489 of file bnx2x_hsi.h.

The documentation for this union was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.337 eth_rx_bd Struct Reference

Public Attributes

- __le32 **addr_lo**
- __le32 **addr_hi**

9.337.1 Detailed Description

Definition at line 1699 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.338 eth_rx_cqe Union Reference

Public Attributes

- struct eth_fast_path_rx_cqe **fast_path_cqe**
- struct common_ramrod_eth_rx_cqe **ramrod_cqe**
- struct eth_rx_cqe_next_page **next_page_cqe**

9.338.1 Detailed Description

Definition at line 2528 of file bnx2x_hsi.h.

The documentation for this union was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.339 eth_rx_cqe_next_page Struct Reference

Public Attributes

- __le32 **addr_lo**
- __le32 **addr_hi**
- __le32 **reserved** [6]

9.339.1 Detailed Description

Definition at line 2519 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-
  hsi.h

9.340 eth_rx_sge Struct Reference

Public Attributes

- __le32 **addr_lo**
- __le32 **addr_hi**

9.340.1 Detailed Description

Definition at line 1707 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-
  hsi.h

9.341 eth_spe Struct Reference

Public Attributes

- struct spe_hdr **hdr**
- union eth_specific_data **data**

9.341.1 Detailed Description

Definition at line 2568 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-
  hsi.h

9.342 eth_specific_data Union Reference

Public Attributes

- u8 **protocol_data** [8]
- struct regpair **mac_config_addr**
- struct eth_client_setup_ramrod_data **client_setup_ramrod_data**
- struct eth_halt_ramrod_data **halt_ramrod_data**
- struct regpair **leading_cqe_addr**
- struct regpair **update_data_addr**
- struct eth_query_ramrod_data **query_ramrod_data**

9.342.1 Detailed Description

Definition at line 2555 of file bnx2x_hsi.h.

The documentation for this union was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.343 eth_stats_query Struct Reference

Public Attributes

- struct xstorm_common_stats **xstorm_common**
- struct tstorm_common_stats **tstorm_common**
- struct ustorm_common_stats **ustorm_common**

9.343.1 Detailed Description

Definition at line 3086 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.344 eth_tx_bd Struct Reference

Public Attributes

- u32 **addr_lo**
- u32 **addr_hi**

- u16 **total_pkt_bytes**
- u16 **nbytes**
- u8 **reserved** [4]

9.344.1 Detailed Description

Definition at line 2128 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.345 eth_tx_bd_flags Struct Reference

Public Attributes

- u8 **as_bitfield**

9.345.1 Detailed Description

Definition at line 2088 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.346 eth_tx_bd_types Union Reference

Public Attributes

- struct eth_tx_start_bd **start_bd**
- struct eth_tx_bd **reg_bd**
- struct eth_tx_parse_bd **parse_bd**
- struct eth_tx_next_bd **next_bd**

9.346.1 Detailed Description

Definition at line 2189 of file bnx2x_hsi.h.

The documentation for this union was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.347 eth_tx_bds_array Struct Reference

Public Attributes

- union eth_tx_bd_types **bds** [13]

9.347.1 Detailed Description

Definition at line 2577 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.348 eth_tx_doorbell Struct Reference

9.348.1 Detailed Description

Definition at line 2286 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.349 eth_tx_next_bd Struct Reference

Public Attributes

- __le32 **addr_lo**
- __le32 **addr_hi**
- u8 **reserved** [8]

9.349.1 Detailed Description

Definition at line 2180 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.350 eth_tx_parse_bd Struct Reference

Public Attributes

- u8 **global_data**
- u8 **tcp_flags**
- u8 **ip_hlen**
- s8 **reserved**
- __le16 **total_hlen**
- __le16 **tcp_pseudo_csum**
- __le16 **lso_mss**
- __le16 **ip_id**
- __le32 **tcp_send_seq**

9.350.1 Detailed Description

Definition at line 2139 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.351 eth_tx_start_bd Struct Reference

Public Attributes

- __le32 **addr_lo**
- __le32 **addr_hi**
- __le16 **nbd**
- __le16 **nbytes**
- __le16 **vlan**
- struct eth_tx_bd_flags **bd_flags**
- u8 **general_data**

9.351.1 Detailed Description

Definition at line 2111 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.352   eth_update_ramrod_data Struct Reference

Public Attributes

- struct tstorm_eth_function_common_config **func_config**
- u8 **indirectionTable** [128]
- struct rss_update_config **rss_config**

9.352.1   Detailed Description

Definition at line 2667 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.353   ether_header Struct Reference

Public Attributes

- u_int8_t **ether_dhost** [ETHER_ADDR_LEN]
- u_int8_t **ether_shost** [ETHER_ADDR_LEN]
- u_int16_t **ether_type**

9.353.1   Detailed Description

Definition at line 47 of file ether.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ether.h

9.354   etheraddress Union Reference

Public Attributes

- u_int8_t **dne_addr** [6]
- struct {
    u_int8_t **dne_hiord** [4]
    u_int8_t **dne_nodeaddr** [2]
  } **dne_remote**

9.354.1 Detailed Description

Definition at line 39 of file decnet.h.

The documentation for this union was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/decnet.h

9.355 ethtool_eeprom Struct Reference

Public Attributes

- u32 **cmd**
- u32 **magic**
- u32 **offset**
- u32 **len**
- u8 **data** [0]

9.355.1 Detailed Description

Definition at line 457 of file kcompat.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/kcompat.h

9.356 ethtool_gstrings Struct Reference

Public Attributes

- u32 **cmd**
- u32 **string_set**
- u32 **len**
- u8 **data** [0]

9.356.1 Detailed Description

Definition at line 431 of file kcompat.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/kcompat.h

9.357 ethtool_stats Struct Reference

Public Attributes

- u32 **cmd**
- u32 **n_stats**
- u64 **data** [0]

9.357.1 Detailed Description

Definition at line 414 of file kcompat.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/kcompat.h

9.358 ethtool_test Struct Reference

Public Attributes

- u32 **cmd**
- u32 **flags**
- u32 **reserved**
- u32 **len**
- u64 **data** [0]

9.358.1 Detailed Description

Definition at line 445 of file kcompat.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/kcompat.h

- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/kcompat.h

9.359   ethtool_value Struct Reference

Public Attributes

- u32 **cmd**
- u32 **data**

9.359.1   Detailed Description

Definition at line 465 of file kcompat.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/kcompat.h

9.360   ethtool_wolinfo Struct Reference

Public Attributes

- u32 **cmd**
- u32 **supported**
- u32 **wolopts**
- u8 **sopass** [SOPASS_MAX]

9.360.1   Detailed Description

Definition at line 479 of file kcompat.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/kcompat.h

9.361 explore Struct Reference

Public Attributes

- int **e_af**
- int **e_socktype**
- int **e_protocol**
- const char ∗ **e_protostr**
- int **e_wild**

9.361.1 Detailed Description

Definition at line 145 of file getaddrinfo.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/Win32/Src/getaddrinfo.c

9.362 fairness_vars_per_port Struct Reference

Public Attributes

- u32 **upper_bound**
- u32 **fair_threshold**
- u32 **fairness_timeout**

9.362.1 Detailed Description

Definition at line 2956 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.363 fairness_vars_per_vn Struct Reference

Public Attributes

- u32 **cos_credit_delta** [MAX_COS_NUMBER]
- u32 **protocol_credit_delta** [NUM_OF_PROTOCOLS]
- u32 **vn_credit_delta**
- u32 **__reserved0**

9.363.1   Detailed Description

Definition at line 3096 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.364   fddi_header Struct Reference

Public Attributes

- u_char **fddi_fc**
- u_char **fddi_dhost** [6]
- u_char **fddi_shost** [6]

9.364.1   Detailed Description

Definition at line 34 of file fddi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/fddi.h

9.365   fh_t Struct Reference

Public Attributes

- u_int8_t **element_id**
- u_int8_t **length**
- u_int16_t **dwell_time**
- u_int8_t **hop_set**
- u_int8_t **hop_pattern**
- u_int8_t **hop_index**

9.365.1   Detailed Description

Definition at line 165 of file ieee802_11.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ieee802_11.h

9.366 FileWriter Class Reference

```
#include <file_writer.h>
```

Inheritance diagram for FileWriter:

```
┌──────────┐
│ Threaded │
└──────────┘
     ▲
     │
┌───────────┐
│ FileWriter│
└───────────┘
```
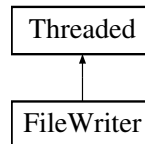
Public Member Functions

- FileWriter (const int id, const int write_block_size, const int write_blocks, const std::string &capture_file, const int poll_timeout, StatsWriter ∗const sw, const double command_interval)
- virtual ∼FileWriter ()

    Destructor.
- virtual void start ()

    Start the main processing loop run() in its own thread of execution.
- virtual void join ()

    Wait for the main processing loop/thread to exit.
- virtual void cmd_stop ()
- void cmd_write_to_disk ()
- int open ()

    Custom API. Open capture file on disk.
- int close ()

    Custom API. Close capture file on disk.
- bool write (boost::uint8_t ∗buf)
- bool **write_unbuffered** (boost::uint8_t ∗buf, const boost::uint32_t len)
- boost::uint8_t ∗ **malloc_buffer** ()
- bool **free_buffer** (boost::uint8_t ∗buf)

Protected Types

- enum { **IDLE**, **WRITE_TO_DISK**, **STOP** }

    The state of the object.

Protected Member Functions

- virtual void run ()

    Main processing loop.
- virtual void handle_stop ()

- virtual void handle_idle ()

    Command handler. Handles the IDLE state.
- virtual void handle_write_to_disk ()
- void write_block ()

Protected Attributes

- const int _WRITE_BLOCK_SIZE

    The size of blocks to be written to disc.
- const int _WRITE_BLOCKS

    The maximum number of write blocks that can be buffered at any one time.
- const int _POLL_TIMEOUT

    The timeout for blocking operations.
- struct pollfd _pfd

    Encapsulates the file descriptor of the file this object manages.
- std::list< boost::uint8_t ∗ > _write_bufs
- std::list< boost::uint8_t ∗ > **_free_bufs**
- enum FileWriter:: { ... } **_state**
- boost::mutex _write_bufs_mutex

    Mutex that protects the write buffer from multi-threaded access.
- boost::mutex _free_bufs_mutex

    Mutex that protects free list from multi-threaded access.
- boost::condition_variable _read_cond
- boost::condition_variable _write_cond
- const std::string _capture_file

    The name of the file data will be written to.
- StatsWriter ∗const _sw

9.366.1 Detailed Description

Manages the high speed writing of data to file. Includes a circular buffer for storing buffers to be written, as well as a state machine that controls the operation of the thread. The class is an "active" object that runs in its own thread of execution. External objects can interact with it via the start(), join(), cmd_XXX(), write(), open(), and close() methods.

Definition at line 56 of file file_writer.h.

9.366.2 Constructor & Destructor Documentation

9.366.2.1 FileWriter::FileWriter (const int *id,* const int *write_block_size,* const int *write_blocks,* const std::string & *capture_file,* const int *poll_timeout,* StatsWriter ∗const *sw,* const double *command_interval*)

Constructor

Parameters

id	A unique id for this object. Used for logging.
write_- *block_size*	The size of the indidivual write blocks to be written to disk. WRITE_BLOCK bytes of data will be written to disk each time write_block() is called.
write_blocks	The total number of write blocks to buffer internally.
poll_- *timeout\xrefit*	todo 1.
sw	A pointer to a StatsWriter object. Performance data will be logged using this object.
command_- *interval*	The main executin thread in run() will attempt to check for new commands every command_interval seconds. The actual interval between checks may be larger than this if the execution thread spends longer than command_- interval processing individual tasks.

Definition at line 46 of file file_writer.cc.

```
                                          :
  Threaded(id, command_interval),
  _WRITE_BLOCK_SIZE(write_block_size),
  _WRITE_BLOCKS(write_blocks),
  _POLL_TIMEOUT(poll_timeout),
  _sw(sw),
  _pfd(),
  _write_bufs(),
  _free_bufs(),
  _state (IDLE),
  _write_bufs_mutex(),
  _free_bufs_mutex(),
  _capture_file(capture_file)
{
  void* buf;
  for (int i=0; i<write_blocks; i++) {
    if (posix_memalign(&buf, getpagesize(), write_block_size) != 0) {
      LOG4CXX_ERROR(logger, "FileWriter buffer allocation failed.");
      throw std::string("Memalign failed.");
    }
    _free_bufs.push_back(static_cast<boost::uint8_t*>(buf));
  }
}
```

9.366.3 Member Function Documentation

9.366.3.1 void FileWriter::cmd_stop ( ) `[virtual]`

External API command. Insert a STOP command into the object's command queue for processing.

Implements Threaded.

Definition at line 132 of file file_writer.cc.

```
                    {
  LOG4CXX_INFO(logger, "Received STOP");
  _state = STOP;
}
```

9.366.3.2 void FileWriter::cmd_write_to_disk ( )

External API command. Insert a WRITE_TO_DISK command into the object's command queue for processing.

Definition at line 137 of file file_writer.cc.

```
                                 {
  LOG4CXX_INFO(logger, "Received WRITE_TO_DISK");
  _state = WRITE_TO_DISK;
}
```

9.366.3.3 void FileWriter::handle_stop ( ) [protected, virtual]

Command handler. Handles the STOP command/state. On receiving this command, the FileWriter object will stop processing and exit the run() method at the next opportunity.

Implements Threaded.

Definition at line 142 of file file_writer.cc.

```
                               {
  _running = false;
}
```

9.366.3.4 void FileWriter::handle_write_to_disk ( ) [protected, virtual]

Command handler. Handles the WRITE_TO_DISK command/state. On receiving this command, the FileWriter object will start reading data from its internal buffers and writing them to disk.

Definition at line 150 of file file_writer.cc.

```
                                   {
  write_block();
}
```

9.366.3.5 bool FileWriter::write (boost::uint8_t ∗ buf)

External API. Write buffer to disk. The supplied buffer is stored in the internal buffer queue where it waits to be written to disk by the main processing loop.

Parameters

buf	The buffer to be written to disk.
buf	Length of buffer to be written.

Definition at line 238 of file file_writer.cc.

```
                                    {
  boost::mutex::scoped_lock lock(_write_bufs_mutex);
  _write_bufs.push_back(b);
  return true;
}
```

9.366.3.6 void FileWriter::write_block ( ) [protected]

Writes a block to disk using the specified file descriptor.

Parameters

fd	The file descriptor to which the data will be sent.

Definition at line 244 of file file_writer.cc.

```
                                    {
  boost::uint8_t* buf;
  boost::uint64_t buf_len;
  if (_write_bufs.empty()) {
    return;
  } else {
    boost::mutex::scoped_lock lock(_write_bufs_mutex);
    buf = _write_bufs.front();
    buf_len = _write_bufs.size();
    _write_bufs.pop_front();
  }

  // Write buffer to disk.
  int bytes_left = _WRITE_BLOCK_SIZE;
  int bytes_written = 0;
  while (bytes_left) {
    int nb = ::write(_pfd.fd, &buf[bytes_written], bytes_left);
    if (nb > 0) {
      bytes_left -= nb;
      bytes_written += nb;
    } else {
      LOG4CXX_ERROR(logger, "Write error: " << strerror(errno));
    }
  }
  if (_sw)
    _sw->update(1, bytes_written, 0, buf_len);
  free_buffer(buf);
}
```

9.366.4 Member Data Documentation

9.366.4.1 boost::condition_variable FileWriter::_read_cond [protected]

Condition variable that signals blocked readers (i.e. pop() operations) when a new buffer is re-inserted back into the pool.

Definition at line 155 of file file_writer.h.

9.366.4.2 StatsWriter∗ **const FileWriter::_sw [protected]**

Reference to statistics writer object for capturing throughput statistics to CSV file.

Definition at line 166 of file file_writer.h.

9.366.4.3 std::list<**boost::uint8_t**∗> **FileWriter::_write_bufs [protected]**

A circular buffer that contains all of the buffers waiting to be written to disk.

Definition at line 140 of file file_writer.h.

9.366.4.4 boost::condition_variable FileWriter::_write_cond [protected]

Condition variable that signals blocked writers (i.e. push() operations) when a new buffer is popped from the pool.

Definition at line 159 of file file_writer.h.

The documentation for this class was generated from the following files:

- src/net2disk/file_writer.h
- src/net2disk/file_writer.cc

9.367 filtering_internals Struct Reference

Public Attributes

- unsigned long **jiffies_last_match**
- struct net_device ∗ **reflector_dev**
- void ∗ **reflector_dev**

9.367.1 Detailed Description

Definition at line 279 of file pf_ring.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/kernel/linux/pf_ring.h
- src/extern/PF_RING-4.7.0/legacy/kernel/include/linux/ring.h
- src/extern/PF_RING-4.7.0/legacy/kernel/ring.h

9.368 filtering_rule Struct Reference

Public Attributes

- u_int16_t **rule_id**

- rule_action_behaviour **rule_action**
- u_int8_t **balance_id**
- u_int8_t **balance_pool**
- [filtering_rule_core_fields](#) **core_fields**
- [filtering_rule_extended_fields](#) **extended_fields**
- [filtering_rule_plugin_action](#) **plugin_action**
- char **reflector_device_name** [REFLECTOR_NAME_LEN]
- [filtering_internals](#) **internals**

9.368.1 Detailed Description

Definition at line 284 of file pf_ring.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/kernel/linux/pf_ring.h
- src/extern/PF_RING-4.7.0/legacy/kernel/include/linux/ring.h
- src/extern/PF_RING-4.7.0/legacy/kernel/ring.h

9.369 filtering_rule_core_fields Struct Reference

Public Attributes

- u_int8_t **dmac** [ETH_ALEN]
- u_int8_t **smac** [ETH_ALEN]
- u_int16_t **vlan_id**
- u_int8_t **proto**
- [ip_addr](#) **host_low**
- [ip_addr](#) **host_high**
- u_int16_t **port_low**
- u_int16_t **port_high**
- u_int32_t **host_low**
- u_int32_t **host_high**

9.369.1 Detailed Description

Definition at line 210 of file pf_ring.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/kernel/linux/pf_ring.h
- src/extern/PF_RING-4.7.0/legacy/kernel/include/linux/ring.h
- src/extern/PF_RING-4.7.0/legacy/kernel/ring.h

9.370 filtering_rule_extended_fields Struct Reference

Public Attributes

- char **payload_pattern** [32]
- u_int16_t **filter_plugin_id**
- char **filter_plugin_data** [FILTER_PLUGIN_DATA_LEN]

9.370.1 Detailed Description

Definition at line 229 of file pf_ring.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/kernel/linux/pf_ring.h
- src/extern/PF_RING-4.7.0/legacy/kernel/include/linux/ring.h
- src/extern/PF_RING-4.7.0/legacy/kernel/ring.h

9.371 filtering_rule_plugin_action Struct Reference

Public Attributes

- u_int16_t **plugin_id**

9.371.1 Detailed Description

Definition at line 244 of file pf_ring.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/kernel/linux/pf_ring.h
- src/extern/PF_RING-4.7.0/legacy/kernel/include/linux/ring.h
- src/extern/PF_RING-4.7.0/legacy/kernel/ring.h

9.372 firewire_header Struct Reference

Public Attributes

- u_char **firewire_dhost** [FIREWIRE_EUI64_LEN]
- u_char **firewire_shost** [FIREWIRE_EUI64_LEN]
- u_short **firewire_type**

9.372.1 Detailed Description

Definition at line 44 of file print-ap1394.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-ap1394.c

9.373 flash_spec Struct Reference

Public Attributes

- u32 **strapping**
- u32 **config1**
- u32 **config2**
- u32 **config3**
- u32 **write1**
- u32 **flags**
- u32 **page_bits**
- u32 **page_size**
- u32 **addr_mask**
- u32 **total_size**
- u8 ∗ **name**

9.373.1 Detailed Description

Definition at line 7533 of file bnx2.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/bnx2.h

9.374 flowSlot Struct Reference

Public Attributes

- u_char **slot_state**
- u_char **bucket**

9.374.1 Detailed Description

Definition at line 234 of file ring.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/legacy/kernel/include/linux/ring.h
- src/extern/PF_RING-4.7.0/legacy/kernel/ring.h

9.375   flowSlotInfo Struct Reference

Public Attributes

- u_int16_t **version**
- u_int16_t **sample_rate**
- u_int32_t **min_num_slots**
- u_int32_t **slot_len**
- u_int32_t **data_len**
- u_int32_t **tot_mem**
- u_int32_t **insert_off**
- u_int64_t **tot_pkts**
- u_int64_t **tot_lost**
- u_int64_t **tot_insert**
- u_int64_t **tot_fwd_ok**
- u_int64_t **tot_fwd_notok**
- char **padding** [128]
- char **k_padding** [3904]
- u_int64_t **tot_read**
- u_int32_t **remove_off**
- u_int32_t **vpfring_guest_flags**
- char **u_padding** [4080]
- u_int32_t **tot_slots**
- u_int32_t **insert_idx**
- u_int8_t **padding** [72]
- u_int32_t **remove_idx**
- u_int32_t **padding2** [31]

9.375.1   Detailed Description

Definition at line 454 of file pf_ring.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/kernel/linux/pf_ring.h
- src/extern/PF_RING-4.7.0/legacy/kernel/include/linux/ring.h
- src/extern/PF_RING-4.7.0/legacy/kernel/ring.h

9.376 forces_ilv Struct Reference

Public Attributes

- u_int32_t **type**
- u_int32_t **length**

9.376.1 Detailed Description

Definition at line 417 of file forces.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/forces.h

9.377 forces_lfbsh Struct Reference

Public Attributes

- u_int32_t **class**
- u_int32_t **instance**

9.377.1 Detailed Description

Definition at line 486 of file forces.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/forces.h

9.378 forces_tlv Struct Reference

Public Attributes

- u_int16_t **type**
- u_int16_t **length**

9.378.1 Detailed Description

Definition at line 422 of file forces.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/forces.h

9.379   forcesh Struct Reference

Public Attributes

- u_int8_t **fm_vrsvd**
- u_int8_t **fm_tom**
- u_int16_t **fm_len**
- u_int32_t **fm_sid**
- u_int32_t **fm_did**
- u_int8_t **fm_cor** [8]
- u_int32_t **fm_flags**

9.379.1   Detailed Description

Definition at line 198 of file forces.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/forces.h

9.380   func_mf_cfg Struct Reference

Public Attributes

- u32 **config**
- u32 **mac_upper**
- u32 **mac_lower**
- u32 **e1hov_tag**
- u32 **reserved** [2]

9.380.1   Detailed Description

Definition at line 874 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.381   fw_info Struct Reference

Public Attributes

- const u32 **ver_major**

- const u32 **ver_minor**
- const u32 **ver_fix**
- const u32 **start_addr**
- const u32 **text_addr**
- const u32 **text_len**
- const u32 **text_index**
- __le32 ∗ **text**
- const u8 ∗ **gz_text**
- const u32 **gz_text_len**
- const u32 **data_addr**
- const u32 **data_len**
- const u32 **data_index**
- const u32 ∗ **data**
- const u32 **sbss_addr**
- const u32 **sbss_len**
- const u32 **sbss_index**
- const u32 **bss_addr**
- const u32 **bss_len**
- const u32 **bss_index**
- const u32 **rodata_addr**
- const u32 **rodata_len**
- const u32 **rodata_index**
- const u32 ∗ **rodata**
- unsigned int **fw_base**
- unsigned int **fw_len**
- const __be32 ∗ **fw_data**
- const u32 ∗ **fw_data**

9.381.1 Detailed Description

Definition at line 7955 of file bnx2.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/bnx2.h
- src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.102/tg3.c
- src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.99k/tg3.c

9.382 fw_version Struct Reference

Public Attributes

- u32 **flags**

9.382.1 Detailed Description

Definition at line 3107 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.383 generic_pdu_resc Struct Reference

```
#include <bnx2i.h>
```

Public Attributes

- char ∗ **req_buf**
- dma_addr_t **req_dma_addr**
- u32 **req_buf_size**
- char ∗ **req_wr_ptr**
- struct iscsi_hdr **resp_hdr**
- char ∗ **resp_buf**
- dma_addr_t **resp_dma_addr**
- u32 **resp_buf_size**
- char ∗ **resp_wr_ptr**
- char ∗ **req_bd_tbl**
- dma_addr_t **req_bd_dma**
- char ∗ **resp_bd_tbl**
- dma_addr_t **resp_bd_dma**

9.383.1 Detailed Description

struct generic_pdu_resc - login pdu resource structure

: driver buffer used to stage payload associated with the login request : dma address for iscsi login request payload buffer : actual login request payload length : pointer into login request buffer when next data is to be written : iscsi header where iscsi login response header is to be recreated : buffer to stage login response payload : login response payload buffer dma address : login response paylod length : pointer into login response buffer when next data is to be written : iscsi login request payload BD table : login request BD table dma address : iscsi login response payload BD table : login request BD table dma address

following structure defines buffer info for generic pdus such as iSCSI Login, Logout and NOP

Definition at line 152 of file bnx2i.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/bnx2i.h

9.384 hash_filtering_rule Struct Reference

Public Attributes

- u_int16_t **rule_id**
- u_int16_t **vlan_id**
- u_int8_t **proto**
- [ip_addr](#) **host_peer_a**
- [ip_addr](#) **host_peer_b**
- u_int16_t **port_peer_a**
- u_int16_t **port_peer_b**
- rule_action_behaviour **rule_action**
- [filtering_rule_plugin_action](#) **plugin_action**
- char **reflector_device_name** [REFLECTOR_NAME_LEN]
- [filtering_internals](#) **internals**
- u_int32_t **host_peer_a**
- u_int32_t **host_peer_b**

9.384.1 Detailed Description

Definition at line 414 of file pf_ring.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/kernel/linux/pf_ring.h
- src/extern/PF_RING-4.7.0/legacy/kernel/include/linux/ring.h
- src/extern/PF_RING-4.7.0/legacy/kernel/ring.h

9.385 HEADER Struct Reference

Public Attributes

- unsigned **id**:16
- unsigned **qdcount**:16
- unsigned **ancount**:16
- unsigned **nscount**:16
- unsigned **arcount**:16
- u_int16_t **id**
- u_int8_t **flags1**
- u_int8_t **flags2**
- u_int16_t **qdcount**

- u_int16_t **ancount**
- u_int16_t **nscount**
- u_int16_t **arcount**

9.385.1 Detailed Description

Definition at line 252 of file nameser.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/Win32/Include/arpa/nameser.h
- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/nameser.h

9.386 hnamemem Struct Reference

Public Attributes

- u_int32_t **addr**
- const char ∗ **name**
- struct hnamemem ∗ **nxt**
- int **addr**
- char ∗ **name**

9.386.1 Detailed Description

Definition at line 83 of file addrtoname.c.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/addrtoname.c
- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-atalk.c

9.387 host_def_status_block Struct Reference

Public Attributes

- struct atten_def_status_block **atten_status_block**
- struct cstorm_def_status_block_u **u_def_status_block**
- struct cstorm_def_status_block_c **c_def_status_block**
- struct xstorm_def_status_block **x_def_status_block**
- struct tstorm_def_status_block **t_def_status_block**

9.387.1 Detailed Description

Definition at line 2358 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.388 host_func_stats Struct Reference

Public Attributes

- u32 **host_func_stats_start**
- u32 **total_bytes_received_hi**
- u32 **total_bytes_received_lo**
- u32 **total_bytes_transmitted_hi**
- u32 **total_bytes_transmitted_lo**
- u32 **total_unicast_packets_received_hi**
- u32 **total_unicast_packets_received_lo**
- u32 **total_multicast_packets_received_hi**
- u32 **total_multicast_packets_received_lo**
- u32 **total_broadcast_packets_received_hi**
- u32 **total_broadcast_packets_received_lo**
- u32 **total_unicast_packets_transmitted_hi**
- u32 **total_unicast_packets_transmitted_lo**
- u32 **total_multicast_packets_transmitted_hi**
- u32 **total_multicast_packets_transmitted_lo**
- u32 **total_broadcast_packets_transmitted_hi**
- u32 **total_broadcast_packets_transmitted_lo**
- u32 **valid_bytes_received_hi**
- u32 **valid_bytes_received_lo**
- u32 **host_func_stats_end**

9.388.1 Detailed Description

Definition at line 1293 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.389 host_port_stats Struct Reference

Public Attributes

- u32 **host_port_stats_start**
- struct [mac_stx](#) **mac_stx** [MAC_STX_IDX_MAX]
- u32 **brb_drop_hi**
- u32 **brb_drop_lo**
- u32 **host_port_stats_end**

9.389.1 Detailed Description

Definition at line 1281 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-
  hsi.h

9.390 host_status_block Struct Reference

Public Attributes

- struct [cstorm_status_block_u](#) **u_status_block**
- struct [cstorm_status_block_c](#) **c_status_block**

9.390.1 Detailed Description

Definition at line 2392 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-
  hsi.h

9.391 hsrp Struct Reference

Public Attributes

- u_int8_t **hsrp_version**
- u_int8_t **hsrp_op_code**
- u_int8_t **hsrp_state**
- u_int8_t **hsrp_hellotime**
- u_int8_t **hsrp_holdtime**

- u_int8_t **hsrp_priority**
- u_int8_t **hsrp_group**
- u_int8_t **hsrp_reserved**
- u_int8_t **hsrp_authdata** [HSRP_AUTH_SIZE]
- struct in_addr **hsrp_virtaddr**

9.391.1 Detailed Description

Definition at line 87 of file print-hsrp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-hsrp.c

9.392 hw_filtering_device_handler Struct Reference

Public Attributes

- five_tuple_rule_handler **five_tuple_handler**
- perfect_filter_hw_rule_handler **perfect_filter_handler**
- silicom_redirector_hw_rule_handler **redirector_rule_handler**

9.392.1 Detailed Description

Definition at line 399 of file pf_ring.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/kernel/linux/pf_ring.h

9.393 hw_filtering_rule Struct Reference

Public Attributes

- hw_filtering_rule_type **rule_family_type**
- u_int16_t **rule_id**
- union {
    intel_82599_five_tuple_filter_hw_rule **five_tuple_rule**
    intel_82599_perfect_filter_hw_rule **perfect_rule**
    silicom_redirector_hw_rule **redirector_rule**
  } **rule_family**

9.393.1 Detailed Description

Definition at line 365 of file pf_ring.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/kernel/linux/pf_ring.h

9.394 ich8_hws_flash_regacc::ich8_flracc Struct Reference

Public Attributes

- u32 **grra**:8
- u32 **grwa**:8
- u32 **gmrag**:8
- u32 **gmwag**:8

9.394.1 Detailed Description

Definition at line 162 of file ich8lan.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/ich8lan.c

9.395 ich8_hws_flash_ctrl::ich8_hsflctl Struct Reference

Public Attributes

- u16 **flcgo**:1
- u16 **flcycle**:2
- u16 **reserved**:5
- u16 **fldbcount**:2
- u16 **flockdn**:6

9.395.1 Detailed Description

Definition at line 150 of file ich8lan.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/ich8lan.c

9.396 ich8_hws_flash_status::ich8_hsfsts Struct Reference

Public Attributes

- u16 **flcdone**:1
- u16 **flcerr**:1
- u16 **dael**:1
- u16 **berasesz**:2
- u16 **flcinprog**:1
- u16 **reserved1**:2
- u16 **reserved2**:6
- u16 **fldesvalid**:1
- u16 **flockdn**:1

9.396.1 Detailed Description

Definition at line 133 of file ich8lan.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/ich8lan.c

9.397 ich8_hws_flash_ctrl Union Reference

Classes

- struct ich8_hsflctl

Public Attributes

- struct ich8_hws_flash_ctrl::ich8_hsflctl **hsf_ctrl**
- u16 **regval**

9.397.1 Detailed Description

Definition at line 149 of file ich8lan.c.

The documentation for this union was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/ich8lan.c

9.398   ich8_hws_flash_regacc Union Reference

Classes

- struct ich8_flracc

Public Attributes

- struct ich8_hws_flash_regacc::ich8_flracc **hsf_flregacc**
- u16 **regval**

9.398.1   Detailed Description

Definition at line 161 of file ich8lan.c.

The documentation for this union was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/ich8lan.c

9.399   ich8_hws_flash_status Union Reference

Classes

- struct ich8_hsfsts

Public Attributes

- struct ich8_hws_flash_status::ich8_hsfsts **hsf_status**
- u16 **regval**

9.399.1   Detailed Description

Definition at line 132 of file ich8lan.c.

The documentation for this union was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/ich8lan.c

9.400   icmp Struct Reference

Public Attributes

- u_int8_t **icmp_type**

- u_int8_t **icmp_code**
- u_int16_t **icmp_cksum**
- union {
  - u_int8_t **ih_pptr**
  - struct in_addr **ih_gwaddr**
  - struct **ih_idseq** {
    - u_int16_t **icd_id**
    - u_int16_t **icd_seq**
  - } **ih_idseq**
  - u_int32_t **ih_void**
  - } **icmp_hun**

- union {
  - struct **id_ts** {
    - u_int32_t **its_otime**
    - u_int32_t **its_rtime**
    - u_int32_t **its_ttime**
  - } **id_ts**
  - struct **id_ip** {
    - struct ip **idi_ip**
  - } **id_ip**
  - u_int32_t **id_mask**
  - u_int8_t **id_data** [1]
  - } **icmp_dun**

9.400.1 Detailed Description

Definition at line 53 of file print-icmp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-icmp.c

9.401 icmp6_hdr Struct Reference

Public Attributes

- u_int8_t **icmp6_type**
- u_int8_t **icmp6_code**
- u_int16_t **icmp6_cksum**
- union {
  - u_int32_t **icmp6_un_data32** [1]
  - u_int16_t **icmp6_un_data16** [2]
  - u_int8_t **icmp6_un_data8** [4]
  - } **icmp6_dataun**

9.401.1 Detailed Description

Definition at line 72 of file icmp6.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/icmp6.h

9.402 icmp6_namelookup Struct Reference

Public Attributes

- struct icmp6_hdr **icmp6_nl_hdr**
- u_int8_t **icmp6_nl_nonce** [8]
- int32_t **icmp6_nl_ttl**

9.402.1 Detailed Description

Definition at line 347 of file icmp6.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/icmp6.h

9.403 icmp6_nodeinfo Struct Reference

Public Attributes

- struct icmp6_hdr **icmp6_ni_hdr**
- u_int8_t **icmp6_ni_nonce** [8]

9.403.1 Detailed Description

Definition at line 361 of file icmp6.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/icmp6.h

9.404 icmp6_router_renum Struct Reference

Public Attributes

- struct icmp6_hdr **rr_hdr**

- u_int8_t **rr_segnum**
- u_int8_t **rr_flags**
- u_int16_t **rr_maxdelay**
- u_int32_t **rr_reserved**

9.404.1 Detailed Description

Definition at line 402 of file icmp6.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/icmp6.h

9.405 icmp_ext_t Struct Reference

Public Attributes

- u_int8_t **icmp_type**
- u_int8_t **icmp_code**
- u_int8_t **icmp_checksum** [2]
- u_int8_t **icmp_reserved**
- u_int8_t **icmp_length**
- u_int8_t **icmp_reserved2** [2]
- u_int8_t **icmp_ext_legacy_header** [128]
- u_int8_t **icmp_ext_version_res** [2]
- u_int8_t **icmp_ext_checksum** [2]
- u_int8_t **icmp_ext_data** [1]

9.405.1 Detailed Description

Definition at line 290 of file print-icmp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-icmp.c

9.406 icmp_mpls_ext_object_header_t Struct Reference

Public Attributes

- u_int8_t **length** [2]
- u_int8_t **class_num**
- u_int8_t **ctype**

9.406.1 Detailed Description

Definition at line 303 of file print-icmp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-icmp.c

9.407 id_off Struct Reference

Public Attributes

- u_int32_t **id**
- u_int32_t **off**

9.407.1 Detailed Description

Definition at line 147 of file print-wb.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-wb.c

9.408 id_rdiscovery Struct Reference

Public Attributes

- u_int32_t **ird_addr**
- u_int32_t **ird_pref**

9.408.1 Detailed Description

Definition at line 259 of file print-icmp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-icmp.c

9.409 ie_tlv_header_t Struct Reference

Public Attributes

- u_int8_t **ie_type**
- u_int8_t **ie_len**

9.409.1 Detailed Description

Definition at line 393 of file print-fr.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-fr.c

9.410 ieee80211_radiotap_header Struct Reference

Public Attributes

- u_int8_t **it_version**
- u_int8_t **it_pad**
- u_int16_t **it_len**
- u_int32_t **it_present**

9.410.1 Detailed Description

Definition at line 56 of file ieee802_11_radio.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ieee802_11_radio.h

9.411 if_data Struct Reference

Public Attributes

- u_char **ifi_type**
- u_char **ifi_physical**
- u_char **ifi_addrlen**
- u_char **ifi_hdrlen**
- u_char **ifi_recvquota**
- u_char **ifi_xmitquota**
- u_long **ifi_mtu**
- u_long **ifi_metric**
- u_long **ifi_baudrate**
- u_long **ifi_ipackets**
- u_long **ifi_ierrors**
- u_long **ifi_opackets**
- u_long **ifi_oerrors**
- u_long **ifi_collisions**
- u_long **ifi_ibytes**
- u_long **ifi_obytes**

- u_long **ifi_imcasts**
- u_long **ifi_omcasts**
- u_long **ifi_iqdrops**
- u_long **ifi_noproto**
- u_long **ifi_recvtiming**
- u_long **ifi_xmittiming**
- struct timeval **ifi_lastchange**

9.411.1 Detailed Description

Definition at line 52 of file if.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/Win32/Include/net/if.h

9.412 if_msghdr Struct Reference

Public Attributes

- u_short **ifm_msglen**
- u_char **ifm_version**
- u_char **ifm_type**
- int **ifm_addrs**
- int **ifm_flags**
- u_short **ifm_index**
- struct if_data **ifm_data**

9.412.1 Detailed Description

Definition at line 113 of file if.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/Win32/Include/net/if.h

9.413 ifa_msghdr Struct Reference

Public Attributes

- u_short **ifam_msglen**
- u_char **ifam_version**
- u_char **ifam_type**
- int **ifam_addrs**

- int **ifam_flags**
- u_short **ifam_index**
- int **ifam_metric**

9.413.1 Detailed Description

Definition at line 127 of file if.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/Win32/Include/net/if.h

9.414 iface Struct Reference

Public Attributes

- struct iface ∗ **next**
- char ∗ **name**
- char ∗ **IOPname**
- uint32_t **iftype**

9.414.1 Detailed Description

Definition at line 57 of file pcap-sita.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap-sita.c

9.415 ifaliasreq Struct Reference

Public Attributes

- char **ifra_name** [IFNAMSIZ]
- struct sockaddr **ifra_addr**
- struct sockaddr **ifra_broadaddr**
- struct sockaddr **ifra_mask**

9.415.1 Detailed Description

Definition at line 186 of file if.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/Win32/Include/net/if.h

9.416 ifconf Struct Reference

Public Attributes

- int **ifc_len**
- union {
    caddr_t **ifcu_buf**
    struct ifreq ∗ **ifcu_req**
  } **ifc_ifcu**

9.416.1 Detailed Description

Definition at line 208 of file if.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/Win32/Include/net/if.h

9.417 ifma_msghdr Struct Reference

Public Attributes

- u_short **ifmam_msglen**
- u_char **ifmam_version**
- u_char **ifmam_type**
- int **ifmam_addrs**
- int **ifmam_flags**
- u_short **ifmam_index**

9.417.1 Detailed Description

Definition at line 141 of file if.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/Win32/Include/net/if.h

9.418 ifmediareq Struct Reference

Public Attributes

- char **ifm_name** [IFNAMSIZ]
- int **ifm_current**

- int **ifm_mask**
- int **ifm_status**
- int **ifm_active**
- int **ifm_count**
- int ∗ **ifm_ulist**

9.418.1 Detailed Description

Definition at line 193 of file if.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/Win32/Include/net/if.h

9.419 ifreq Struct Reference

Public Attributes

- char **ifr_name** [IFNAMSIZ]
- union {
    struct sockaddr **ifru_addr**
    struct sockaddr **ifru_dstaddr**
    struct sockaddr **ifru_broadaddr**
    short **ifru_flags**
    int **ifru_metric**
    int **ifru_mtu**
    int **ifru_phys**
    int **ifru_media**
    caddr_t **ifru_data**
  } **ifr_ifru**

9.419.1 Detailed Description

Definition at line 156 of file if.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/Win32/Include/net/if.h

9.420 igb_adapter Struct Reference

Public Attributes

- struct vlan_group ∗ **vlgrp**

- struct net_device ∗ **netdev**
- unsigned long **state**
- unsigned int **flags**
- unsigned int **num_q_vectors**
- struct msix_entry ∗ **msix_entries**
- u32 **tx_timeout_count**
- int **num_tx_queues**
- struct igb_ring ∗ **tx_ring** [IGB_MAX_TX_QUEUES]
- int **num_rx_queues**
- struct igb_ring ∗ **rx_ring** [IGB_MAX_RX_QUEUES]
- struct timer_list **watchdog_timer**
- struct timer_list **phy_info_timer**
- u16 **mng_vlan_id**
- u32 **bd_number**
- u32 **wol**
- u32 **en_mng_pt**
- u16 **link_speed**
- u16 **link_duplex**
- u32 **rx_itr_setting**
- u32 **tx_itr_setting**
- struct work_struct **reset_task**
- struct work_struct **watchdog_task**
- bool **fc_autoneg**
- u8 **tx_timeout_factor**
- u32 **max_frame_size**
- struct pci_dev ∗ **pdev**
- struct net_device_stats **net_stats**
- struct e1000_hw **hw**
- struct e1000_hw_stats **stats**
- struct e1000_phy_info **phy_info**
- struct e1000_phy_stats **phy_stats**
- int **msg_enable**
- struct igb_q_vector ∗ **q_vector** [MAX_Q_VECTORS]
- u32 **eims_enable_mask**
- u32 **eims_other**
- u32 **eeprom_wol**
- u32 ∗ **config_space**
- u16 **tx_ring_count**
- u16 **rx_ring_count**
- struct vf_data_storage ∗ **vf_data**
- u32 **lli_port**
- u32 **lli_size**
- unsigned int **vfs_allocated_count**
- int **int_mode**
- u32 **rss_queues**
- u32 **vmdq_pools**

- u16 **fw_version**

- int **node**

- u32 **wvbr**

- struct igb_mac_addr ∗ **mac_table**

9.420.1   Detailed Description

Definition at line 398 of file igb.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/igb.h

9.421   igb_buffer Struct Reference

Public Attributes

- struct sk_buff ∗ **skb**

- dma_addr_t **dma**

- union {
  struct {
    unsigned long **time_stamp**
    u16 **length**
    u16 **next_to_watch**
    unsigned int **bytecount**
    u8 **mapped_as_page**
  }
  struct {
    struct page ∗ **page**
    dma_addr_t **page_dma**
    u32 **page_offset**
  }
  };

9.421.1   Detailed Description

Definition at line 238 of file igb.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/igb.h

9.422   igb_mac_addr Struct Reference

Public Attributes

- u8 **addr** [ETH_ALEN]
- u16 **queue**
- u16 **state**

9.422.1   Detailed Description

Definition at line 360 of file igb.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/igb.h

9.423   igb_option Struct Reference

Public Types

- enum { **enable_option**, **range_option**, **list_option** }

Public Attributes

- enum igb_option:: { ... } **type**
- const char ∗ **name**
- const char ∗ **err**
- int **def**
- union {
    struct {
      int **min**
      int **max**
    } **r**
    struct {
      int **nr**
      struct **igb_opt_list** {
        int **i**
        char ∗ **str**
      } **p**
    } **l**
  } **arg**

9.423.1 Detailed Description

Definition at line 193 of file igb_param.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/igb_param.c

9.424 igb_q_vector Struct Reference

Public Attributes

- struct igb_adapter ∗ **adapter**
- struct igb_ring ∗ **rx_ring**
- struct igb_ring ∗ **tx_ring**
- struct napi_struct **napi**
- int **numa_node**
- u32 **eims_value**
- u16 **cpu**
- u16 **itr_val**
- u8 **set_itr**
- void __iomem ∗ **itr_register**
- char **name** [IFNAMSIZ+9]
- struct net_device **poll_dev**

9.424.1 Detailed Description

Definition at line 282 of file igb.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/igb.h

9.425 igb_reg_test Struct Reference

Public Attributes

- u16 **reg**
- u16 **reg_offset**
- u16 **array_len**
- u16 **test_type**
- u32 **mask**
- u32 **write**

9.425.1 Detailed Description

Definition at line 29 of file igb_regtest.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/igb_regtest.h

9.426 igb_ring Struct Reference

Public Attributes

- struct igb_q_vector ∗ **q_vector**
- struct net_device ∗ **netdev**
- struct device ∗ **dev**
- struct igb_buffer ∗ **buffer_info**
- void ∗ **desc**
- unsigned long **flags**
- void __iomem ∗ **tail**
- u16 **count**
- u8 **queue_index**
- u8 **reg_idx**
- u32 **size**
- unsigned int total_bytes ____**cacheline_aligned_in_smp**
- unsigned int **total_packets**
- u16 **itr**
- u16 **next_to_clean**
- u16 **next_to_use**
- union {
    struct {
      struct igb_tx_queue_stats **tx_stats**
    }
    struct {
      struct igb_rx_queue_stats **rx_stats**
    }
  };

- dma_addr_t **dma**
- int **numa_node**

9.426.1 Detailed Description

Definition at line 305 of file igb.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/igb.h

9.427 igb_rx_queue_stats Struct Reference

Public Attributes

- u64 **packets**
- u64 **bytes**
- u64 **drops**
- u64 **csum_err**
- u64 **alloc_failed**

9.427.1 Detailed Description

Definition at line 274 of file igb.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/igb.h

9.428 igb_tx_queue_stats Struct Reference

Public Attributes

- u64 **packets**
- u64 **bytes**
- u64 **restart_queue**

9.428.1 Detailed Description

Definition at line 268 of file igb.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/igb.h

9.429 igrphdr Struct Reference

Public Attributes

- u_int8_t **ig_vop**
- u_int8_t **ig_ed**
- u_int16_t **ig_as**
- u_int16_t **ig_ni**
- u_int16_t **ig_ns**
- u_int16_t **ig_nx**
- u_int16_t **ig_sum**

9.429.1 Detailed Description

Definition at line 6 of file igrp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/igrp.h

9.430 igrprte Struct Reference

Public Attributes

- u_int8_t **igr_net** [3]
- u_int8_t **igr_dly** [3]
- u_int8_t **igr_bw** [3]
- u_int8_t **igr_mtu** [2]
- u_int8_t **igr_rel**
- u_int8_t **igr_ld**
- u_int8_t **igr_hct**

9.430.1 Detailed Description

Definition at line 23 of file igrp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/igrp.h

9.431 igu_ack_register Struct Reference

9.431.1 Detailed Description

Definition at line 1397 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.432 igu_backward_compatible Struct Reference

Public Attributes

- u32 **sb_id_and_flags**
- u32 **reserved_2**

9.432.1 Detailed Description

Definition at line 1431 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.433 igu_consprod_reg Union Reference

Public Attributes

- struct igu_regular **regular**
- struct igu_backward_compatible **backward_compatible**

9.433.1 Detailed Description

Definition at line 1478 of file bnx2x_hsi.h.

The documentation for this union was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.434 igu_regular Struct Reference

Public Attributes

- u32 **sb_id_and_flags**
- u32 **reserved_2**

9.434.1 Detailed Description

Definition at line 1452 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.435   ih_rdiscovery Struct Reference

Public Attributes

- u_int8_t **ird_addrnum**
- u_int8_t **ird_addrsiz**
- u_int16_t **ird_lifetime**

9.435.1   Detailed Description

Definition at line 253 of file print-icmp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-icmp.c

9.436   ikev1_ph1tab Struct Reference

Public Attributes

- struct ikev1_ph1 ∗ **head**
- struct ikev1_ph1 ∗ **tail**
- int **len**

9.436.1   Detailed Description

Definition at line 371 of file isakmp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/isakmp.h

9.437   ikev1_pl_cert Struct Reference

Public Attributes

- struct isakmp_gen **h**
- u_int8_t **encode**
- char **cert**

9.437.1 Detailed Description

Definition at line 258 of file isakmp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/isakmp.h

9.438 ikev1_pl_cr Struct Reference

Public Attributes

- struct isakmp_gen **h**
- u_int8_t **num_cert**

9.438.1 Detailed Description

Definition at line 282 of file isakmp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/isakmp.h

9.439 ikev1_pl_d Struct Reference

Public Attributes

- struct isakmp_gen **h**
- u_int32_t **doi**
- u_int8_t **prot_id**
- u_int8_t **spi_size**
- u_int16_t **num_spi**

9.439.1 Detailed Description

Definition at line 361 of file isakmp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/isakmp.h

9.440   ikev1_pl_hash Struct Reference

Public Attributes

- struct [isakmp_gen](#) **h**

9.440.1   Detailed Description

Definition at line 297 of file isakmp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/isakmp.h

9.441   ikev1_pl_id Struct Reference

Public Attributes

- struct [isakmp_gen](#) **h**
- union {
    u_int8_t **id_type**
    u_int32_t **doi_data**
  } **d**

9.441.1   Detailed Description

Definition at line 248 of file isakmp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/isakmp.h

9.442   ikev1_pl_ke Struct Reference

Public Attributes

- struct [isakmp_gen](#) **h**

9.442.1   Detailed Description

Definition at line 241 of file isakmp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/isakmp.h

9.443 ikev1_pl_n Struct Reference

Public Attributes

- struct isakmp_gen **h**
- u_int32_t **doi**
- u_int8_t **prot_id**
- u_int8_t **spi_size**
- u_int16_t **type**

9.443.1 Detailed Description

Definition at line 317 of file isakmp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/isakmp.h

9.444 ikev1_pl_nonce Struct Reference

Public Attributes

- struct isakmp_gen **h**

9.444.1 Detailed Description

Definition at line 311 of file isakmp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/isakmp.h

9.445 ikev1_pl_p Struct Reference

Public Attributes

- struct isakmp_gen **h**
- u_int8_t **p_no**
- u_int8_t **prot_id**
- u_int8_t **spi_size**
- u_int8_t **num_t**

9.445.1 Detailed Description

Definition at line 216 of file isakmp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/isakmp.h

9.446 ikev1_pl_sa Struct Reference

Public Attributes

- struct isakmp_gen **h**
- u_int32_t **doi**
- u_int32_t **sit**

9.446.1 Detailed Description

Definition at line 202 of file isakmp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/isakmp.h

9.447 ikev1_pl_sig Struct Reference

Public Attributes

- struct isakmp_gen **h**

9.447.1 Detailed Description

Definition at line 304 of file isakmp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/isakmp.h

9.448 ikev1_pl_t Struct Reference

Public Attributes

- struct isakmp_gen **h**

- u_int8_t **t_no**
- u_int8_t **t_id**
- u_int16_t **reserved**

9.448.1   Detailed Description

Definition at line 232 of file isakmp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/isakmp.h

9.449   ikev2_auth Struct Reference

Public Attributes

- struct isakmp_gen **h**
- u_int8_t **auth_method**
- u_int8_t **reserved** [3]

9.449.1   Detailed Description

Definition at line 488 of file isakmp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/isakmp.h

9.450   ikev2_id Struct Reference

Public Attributes

- struct isakmp_gen **h**
- u_int8_t **type**
- u_int8_t **res1**
- u_int16_t **res2**

9.450.1   Detailed Description

Definition at line 436 of file isakmp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/isakmp.h

9.451 ikev2_ke Struct Reference

Public Attributes

- struct isakmp_gen **h**
- u_int16_t **ke_group**
- u_int16_t **ke_res1**

9.451.1 Detailed Description

Definition at line 418 of file isakmp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/isakmp.h

9.452 ikev2_n Struct Reference

Public Attributes

- struct isakmp_gen **h**
- u_int8_t **prot_id**
- u_int8_t **spi_size**
- u_int16_t **type**

9.452.1 Detailed Description

Definition at line 446 of file isakmp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/isakmp.h

9.453 ikev2_p Struct Reference

Public Attributes

- struct isakmp_gen **h**
- u_int8_t **p_no**
- u_int8_t **prot_id**
- u_int8_t **spi_size**
- u_int8_t **num_t**

9.453.1 Detailed Description

Definition at line 393 of file isakmp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/isakmp.h

9.454 ikev2_t Struct Reference

Public Attributes

- struct isakmp_gen **h**
- u_int8_t **t_type**
- u_int8_t **res2**
- u_int16_t **t_id**

9.454.1 Detailed Description

Definition at line 402 of file isakmp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/isakmp.h

9.455 init_op Union Reference

Public Attributes

- struct op_read **read**
- struct op_write **write**
- struct op_string_write **str_wr**
- struct op_zero **zero**
- struct raw_op **raw**

9.455.1 Detailed Description

Definition at line 143 of file bnx2x_init.h.

The documentation for this union was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-init.h

9.456 initmsg Struct Reference

Public Attributes

- byte **in_flags**
- word **in_src**
- byte **in_info**
- word **in_blksize**
- byte **in_vers**
- byte **in_eco**
- byte **in_ueco**
- word **in_hello**
- byte **in_rsvd**

9.456.1 Detailed Description

Definition at line 165 of file decnet.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/decnet.h

9.457 initmsgIII Struct Reference

Public Attributes

- byte **inIII_flags**
- word **inIII_src**
- byte **inIII_info**
- word **inIII_blksize**
- byte **inIII_vers**
- byte **inIII_eco**
- byte **inIII_ueco**
- byte **inIII_rsvd**

9.457.1 Detailed Description

Definition at line 153 of file decnet.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/decnet.h

9.458 intel_82599_five_tuple_filter_hw_rule Struct Reference

Public Attributes

- u_int8_t **proto**
- u_int32_t **s_addr**
- u_int32_t **d_addr**
- u_int16_t **s_port**
- u_int16_t **d_port**
- u_int16_t **queue_id**

9.458.1 Detailed Description

Definition at line 301 of file pf_ring.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/kernel/linux/pf_ring.h

9.459 intel_82599_perfect_filter_hw_rule Struct Reference

Public Attributes

- u_int16_t **vlan_id**
- u_int8_t **proto**
- u_int32_t **s_addr**
- u_int32_t **d_addr**
- u_int16_t **s_port**
- u_int16_t **d_port**
- u_int16_t **queue_id**

9.459.1 Detailed Description

Definition at line 308 of file pf_ring.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/kernel/linux/pf_ring.h

9.460 interface_description_block Struct Reference

Public Attributes

- u_short **linktype**
- u_short **reserved**
- bpf_u_int32 **snaplen**

9.460.1 Detailed Description

Definition at line 130 of file sf-pcap-ng.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/sf-pcap-ng.c

9.461 io_bdt Struct Reference

```
#include <bnx2i.h>
```

Public Attributes

- struct iscsi_bd ∗ **bd_tbl**
- dma_addr_t **bd_tbl_dma**
- u16 **bd_valid**

9.461.1 Detailed Description

struct io_bdt - I/O buffer destricptor table

: BD table's virtual address : BD table's dma address : num valid BD entries

IO BD table

Definition at line 196 of file bnx2i.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/bnx2i.h

9.462 ip Struct Reference

Public Attributes

- u_int8_t **ip_vhl**

- u_int8_t **ip_tos**
- u_int16_t **ip_len**
- u_int16_t **ip_id**
- u_int16_t **ip_off**
- u_int8_t **ip_ttl**
- u_int8_t **ip_p**
- u_int16_t **ip_sum**
- struct in_addr ip_src **ip_dst**
- u_char **ip_hl**:4
- u_char **ip_v**:4
- u_char **ip_tos**
- short **ip_len**
- u_short **ip_id**
- short **ip_off**
- u_char **ip_ttl**
- u_char **ip_p**
- u_short **ip_sum**

9.462.1 Detailed Description

Definition at line 50 of file ip.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ip.h
- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/win32/Include/Netinet/ip.h

9.463 ip6_dest Struct Reference

Public Attributes

- u_int8_t **ip6d_nxt**
- u_int8_t **ip6d_len**

9.463.1 Detailed Description

Definition at line 140 of file ip6.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ip6.h

9.464 ip6_ext Struct Reference

Public Attributes

- u_char **ip6e_nxt**
- u_char **ip6e_len**

9.464.1 Detailed Description

Definition at line 125 of file ip6.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ip6.h

9.465 ip6_frag Struct Reference

Public Attributes

- u_int8_t **ip6f_nxt**
- u_int8_t **ip6f_reserved**
- u_int16_t **ip6f_offlg**
- u_int32_t **ip6f_ident**

9.465.1 Detailed Description

Definition at line 194 of file ip6.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ip6.h

9.466 ip6_hbh Struct Reference

Public Attributes

- u_int8_t **ip6h_nxt**
- u_int8_t **ip6h_len**

9.466.1 Detailed Description

Definition at line 132 of file ip6.h.

The documentation for this struct was generated from the following file:

• src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ip6.h

9.467 ip6_hdr Struct Reference

Public Attributes

• union {
    struct **ip6_hdrctl** {
        u_int32_t **ip6_un1_flow**
        u_int16_t **ip6_un1_plen**
        u_int8_t **ip6_un1_nxt**
        u_int8_t **ip6_un1_hlim**
    } **ip6_un1**
    u_int8_t **ip6_un2_vfc**
} **ip6_ctlun**

• struct in6_addr **ip6_src**
• struct in6_addr **ip6_dst**

9.467.1 Detailed Description

Definition at line 77 of file ip6.h.

The documentation for this struct was generated from the following file:

• src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ip6.h

9.468 ip6_pseudo_hdr Union Reference

Public Attributes

• struct {
    struct in6_addr **ph_src**
    struct in6_addr **ph_dst**
    u_int32_t **ph_len**
    u_int8_t **ph_zero** [3]
    u_int8_t **ph_nxt**
} **ph**

• u_int16_t **pa** [20]

9.468.1 Detailed Description

Definition at line 94 of file ip6.h.

The documentation for this union was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ip6.h

9.469 ip6_rthdr Struct Reference

Public Attributes

- u_int8_t **ip6r_nxt**
- u_int8_t **ip6r_len**
- u_int8_t **ip6r_type**
- u_int8_t **ip6r_segleft**

9.469.1 Detailed Description

Definition at line 174 of file ip6.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ip6.h

9.470 ip6_rthdr0 Struct Reference

Public Attributes

- u_int8_t **ip6r0_nxt**
- u_int8_t **ip6r0_len**
- u_int8_t **ip6r0_type**
- u_int8_t **ip6r0_segleft**
- u_int8_t **ip6r0_reserved**
- u_int8_t **ip6r0_slmap** [3]
- struct in6_addr **ip6r0_addr** [1]

9.470.1 Detailed Description

Definition at line 183 of file ip6.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ip6.h

9.471 ip_addr Union Reference

Public Attributes

- struct in6_addr **v6**
- u_int32_t **v4**

9.471.1 Detailed Description

Definition at line 127 of file pf_ring.h.

The documentation for this union was generated from the following file:

- src/extern/PF_RING-4.7.0/kernel/linux/pf_ring.h

9.472 ip_print_demux_state Struct Reference

Public Attributes

- struct ip ∗ **ip**
- const u_char ∗ **cp**
- u_int **len**
- u_int **off**
- u_char **nh**
- int **advance**

9.472.1 Detailed Description

Definition at line 366 of file print-ip.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-ip.c

9.473 ip_timestamp Struct Reference

Classes

- union ipt_timestamp

Public Attributes

- u_int8_t **ipt_code**
- u_int8_t **ipt_len**
- u_int8_t **ipt_ptr**
- u_int8_t **ipt_oflwflg**
- union ip_timestamp::ipt_timestamp **ipt_timestamp**
- u_char **ipt_code**
- u_char **ipt_len**
- u_char **ipt_ptr**
- u_char **ipt_flg**:4
- u_char **ipt_oflw**:4

9.473.1 Detailed Description

Definition at line 123 of file ip.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ip.h
- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/win32/Include/Netinet/ip.h

9.474 ip_v6_addr Struct Reference

Public Attributes

- u32 **ip_addr_lo_lo**
- u32 **ip_addr_lo_hi**
- u32 **ip_addr_hi_lo**
- u32 **ip_addr_hi_hi**

9.474.1 Detailed Description

Definition at line 2304 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
  defs.h

9.475 ipcomp Struct Reference

Public Attributes

- u_int8_t **comp_nxt**

- u_int8_t **comp_flags**
- u_int16_t **comp_cpi**

9.475.1 Detailed Description

Definition at line 36 of file print-ipcomp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-ipcomp.c

9.476 IPEndpoint Struct Reference

```
#include <mark6.h>
```

Public Member Functions

- bool **operator()** (IPEndpoint ep1, IPEndpoint ep2)

Public Attributes

- std::string **_ip_address**
- int **_port**

Friends

- std::ostream & **operator**$<<$ (std::ostream &out, const IPEndpoint &ep)

9.476.1 Detailed Description

Todo

Is this really required?

Definition at line 48 of file mark6.h.

The documentation for this struct was generated from the following file:

- src/net2disk/mark6.h

9.477 ipfc_header Struct Reference

Public Attributes

- u_char **ipfc_dhost** [8]

- u_char **ipfc_shost** [8]

9.477.1 Detailed Description

Definition at line 24 of file ipfc.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ipfc.h

9.478 IpfwImpl Struct Reference

Public Attributes

- int **sock**
- int **port**
- int **proto**
- int **count**
- int **passive**
- unsigned **timeout**
- unsigned **snaplen**
- uint8_t ∗ **buf**
- char ∗ **filter**
- char **error** [DAQ_ERRBUF_SIZE]
- struct sfbpf_program **fcode**
- struct sockaddr_in **sin**
- DAQ_State **state**
- DAQ_Stats_t **stats**

9.478.1 Detailed Description

Definition at line 50 of file daq_ipfw.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/os-daq-modules/daq_ipfw.c

9.479 iphdr Struct Reference

Public Attributes

- u_int8_t **ihl**:4
- u_int8_t **version**:4
- u_int8_t **tos**

- u_int16_t **tot_len**
- u_int16_t **id**
- u_int16_t **frag_off**
- u_int8_t **ttl**
- u_int8_t **protocol**
- u_int16_t **check**
- u_int32_t **saddr**
- u_int32_t **daddr**

9.479.1 Detailed Description

Definition at line 13 of file pfring_utils.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/lib/pfring_utils.h

9.480 ipnet_hdr Struct Reference

Public Attributes

- uint8_t **iph_version**
- uint8_t **iph_family**
- uint16_t **iph_htype**
- uint32_t **iph_pktlen**
- uint32_t **iph_ifindex**
- uint32_t **iph_grifindex**
- uint32_t **iph_zsrc**
- uint32_t **iph_zdst**

9.480.1 Detailed Description

Definition at line 1 of file ipnet.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ipnet.h

9.481 IpqImpl Struct Reference

Public Attributes

- int **proto**
- char ∗ **device**

- struct ipq_handle ∗ **ipqh**
- ip_t ∗ **net**
- eth_t ∗ **link**
- char ∗ **filter**
- struct [sfbpf_program](#) **fcode**
- uint8_t ∗ **buf**
- char **error** [DAQ_ERRBUF_SIZE]
- volatile int **count**
- int **passive**
- uint32_t **snaplen**
- unsigned **timeout**
- DAQ_State **state**
- [DAQ_Stats_t](#) **stats**

9.481.1 Detailed Description

Definition at line 49 of file daq_ipq.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/os-daq-modules/daq_ipq.c

9.482 ipsecdoi_id Struct Reference

Public Attributes

- struct [isakmp_gen](#) **h**
- u_int8_t **type**
- u_int8_t **proto_id**
- u_int16_t **port**

9.482.1 Detailed Description

Definition at line 125 of file ipsec_doi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ipsec_doi.h

9.483 ipsecdoi_sa Struct Reference

Public Attributes

- struct [isakmp_gen](#) **h**
- u_int32_t **doi**
- u_int32_t **sit**

9.483.1 Detailed Description

Definition at line 113 of file ipsec_doi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ipsec_doi.h

9.484 ipsecdoi_secrecy_h Struct Reference

Public Attributes

- u_int16_t **len**
- u_int16_t **reserved**

9.484.1 Detailed Description

Definition at line 119 of file ipsec_doi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ipsec_doi.h

9.485 ip_timestamp::ipt_timestamp::ipt_ta Struct Reference

Public Attributes

- struct in_addr **ipt_addr**
- u_int32_t **ipt_time**
- n_long **ipt_time**

9.485.1 Detailed Description

Definition at line 132 of file ip.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ip.h
- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/win32/Include/Netinet/ip.h

9.486 ip_timestamp::ipt_timestamp Union Reference **359**

9.486 ip_timestamp::ipt_timestamp Union Reference

Classes

- struct ipt_ta

Public Attributes

- u_int32_t **ipt_time** [1]
- struct ip_timestamp::ipt_timestamp::ipt_ta **ipt_ta** [1]
- n_long **ipt_time** [1]

9.486.1 Detailed Description

Definition at line 130 of file ip.h.

The documentation for this union was generated from the following files:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ip.h
- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/win32/Include/Netinet/ip.h

9.487 ipxHdr Struct Reference

Public Attributes

- u_int16_t **cksum**
- u_int16_t **length**
- u_int8_t **tCtl**
- u_int8_t **pType**
- u_int16_t **dstNet** [2]
- u_int8_t **dstNode** [6]
- u_int16_t **dstSkt**
- u_int16_t **srcNet** [2]
- u_int8_t **srcNode** [6]
- u_int16_t **srcSkt**

9.487.1 Detailed Description

Definition at line 17 of file ipx.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ipx.h

Generated on Wed Sep 28 2011 14:20:18 for Mark6 by Doxygen

9.488 isakmp Struct Reference

Public Attributes

- cookie_t **i_ck**
- cookie_t **r_ck**
- u_int8_t **np**
- u_int8_t **vers**
- u_int8_t **etype**
- u_int8_t **flags**
- msgid_t **msgid**
- u_int32_t **len**

9.488.1 Detailed Description

Definition at line 100 of file isakmp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/isakmp.h

9.489 isakmp_data Struct Reference

Public Attributes

- u_int16_t **type**
- u_int16_t **lorv**

9.489.1 Detailed Description

Definition at line 179 of file isakmp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/isakmp.h

9.490 isakmp_gen Struct Reference

Public Attributes

- u_int8_t **np**
- u_int8_t **critical**
- u_int16_t **len**

9.490.1 Detailed Description

Definition at line 163 of file isakmp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/isakmp.h

9.491 isakmp_index Struct Reference

Public Attributes

- cookie_t **i_ck**
- cookie_t **r_ck**

9.491.1 Detailed Description

Definition at line 41 of file isakmp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/isakmp.h

9.492 isakmp_ph2tab Struct Reference

Public Attributes

- struct ikev1_ph2 ∗ **head**
- struct ikev1_ph2 ∗ **tail**
- int **len**

9.492.1 Detailed Description

Definition at line 377 of file isakmp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/isakmp.h

9.493 iscsi_bd Struct Reference

Public Attributes

- u32 **buffer_addr_hi**
- u32 **buffer_addr_lo**

9.493.1 Detailed Description

Definition at line 66 of file 57xx_iscsi_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/57xx_iscsi_hsi.h

9.494 iscsi_cid_queue Struct Reference

```
#include <bnx2i.h>
```

Public Attributes

- void ∗ **cid_que_base**
- u32 ∗ **cid_que**
- u32 **cid_q_prod_idx**
- u32 **cid_q_cons_idx**
- u32 **cid_q_max_idx**
- u32 **cid_free_cnt**
- struct bnx2i_conn ∗∗ **conn_cid_tbl**

9.494.1 Detailed Description

struct iscsi_cid_queue - Per adapter iscsi cid queue

: queue base memory : queue memory pointer : produce index : consumer index : max index. used to detect wrap around condition : queue size : iscsi cid to conn structure mapping table

Per adapter iSCSI CID Queue

Definition at line 276 of file bnx2i.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/bnx2i.h

9.495 iscsi_conn_buf Struct Reference

Public Attributes

- struct regpair **reserved** [8]

9.495.1 Detailed Description

Definition at line 2297 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-defs.h

9.496 iscsi_context Struct Reference

Public Attributes

- struct ustorm_iscsi_st_context **ustorm_st_context**
- struct tstorm_iscsi_st_context **tstorm_st_context**
- struct xstorm_iscsi_ag_context **xstorm_ag_context**
- struct tstorm_iscsi_ag_context **tstorm_ag_context**
- struct cstorm_iscsi_ag_context **cstorm_ag_context**
- struct ustorm_iscsi_ag_context **ustorm_ag_context**
- struct iscsi_timers_block_context **timers_context**
- struct regpair **upb_context**
- struct xstorm_iscsi_st_context **xstorm_st_context**
- struct regpair **xpb_context**
- struct cstorm_iscsi_st_context **cstorm_st_context**

9.496.1 Detailed Description

Definition at line 2280 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-defs.h

9.497 iscsi_cq_db_prod_pnd_cmpltn_cnt Struct Reference

9.497.1 Detailed Description

Definition at line 2187 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-defs.h

---

9.498 iscsi_cq_db_prod_pnd_cmpltn_cnt_arr Struct Reference

Public Attributes

- struct iscsi_cq_db_prod_pnd_cmpltn_cnt **prod_pend_comp** [8]

9.498.1 Detailed Description

Definition at line 2200 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-defs.h

9.499 iscsi_cq_db_sqn_2_notify_arr Struct Reference

Public Attributes

- u16 **sqn** [8]

9.499.1 Detailed Description

Definition at line 2207 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-defs.h

9.500 iscsi_kcqe Struct Reference

Public Attributes

- u32 **iscsi_conn_id**
- u32 **completion_status**
- u32 **iscsi_conn_context_id**
- union iscsi_kcqe_params **params**

9.500.1 Detailed Description

Definition at line 484 of file 57xx_iscsi_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/57xx_iscsi_hsi.h

9.501 iscsi_kcqe_params Union Reference

Public Attributes

- u32 **reserved0** [4]

9.501.1 Detailed Description

Definition at line 477 of file 57xx_iscsi_hsi.h.

The documentation for this union was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/57xx_iscsi_hsi.h

9.502 iscsi_kwqe Union Reference

Public Attributes

- struct iscsi_kwqe_init1 **init1**
- struct iscsi_kwqe_init2 **init2**
- struct iscsi_kwqe_conn_offload1 **conn_offload1**
- struct iscsi_kwqe_conn_offload2 **conn_offload2**
- struct iscsi_kwqe_conn_update **conn_update**
- struct iscsi_kwqe_conn_destroy **conn_destroy**

9.502.1 Detailed Description

Definition at line 753 of file 57xx_iscsi_hsi.h.

The documentation for this union was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/57xx_iscsi_hsi.h

9.503 iscsi_kwqe_conn_destroy Struct Reference

Public Attributes

- u32 **context_id**
- u32 **reserved1** [6]

9.503.1 Detailed Description

Definition at line 738 of file 57xx_iscsi_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/57xx_iscsi_hsi.h

9.504 iscsi_kwqe_conn_offload1 Struct Reference

Public Attributes

- u32 **sq_page_table_addr_lo**
- u32 **sq_page_table_addr_hi**
- u32 **cq_page_table_addr_lo**
- u32 **cq_page_table_addr_hi**
- u32 **reserved0** [3]

9.504.1 Detailed Description

Definition at line 627 of file 57xx_iscsi_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/57xx_iscsi_hsi.h

9.505 iscsi_kwqe_conn_offload2 Struct Reference

Public Attributes

- u32 **rq_page_table_addr_lo**
- u32 **rq_page_table_addr_hi**
- struct iscsi_pte **sq_first_pte**
- struct iscsi_pte **cq_first_pte**
- u32 **num_additional_wqes**

9.505.1 Detailed Description

Definition at line 653 of file 57xx_iscsi_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/57xx_iscsi_hsi.h

9.506   iscsi_kwqe_conn_offload3 Struct Reference

Public Attributes

- u32 **reserved1**
- struct iscsi_pte **qp_first_pte** [3]

9.506.1   Detailed Description

Definition at line 672 of file 57xx_iscsi_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/57xx_iscsi_hsi.h

9.507   iscsi_kwqe_conn_update Struct Reference

Public Attributes

- u32 **context_id**
- u32 **max_send_pdu_length**
- u32 **max_recv_pdu_length**
- u32 **first_burst_length**
- u32 **max_burst_length**
- u32 **exp_stat_sn**

9.507.1   Detailed Description

Definition at line 688 of file 57xx_iscsi_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/57xx_iscsi_hsi.h

9.508 iscsi_kwqe_header Struct Reference

9.508.1 Detailed Description

Definition at line 517 of file 57xx_iscsi_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-
05/driver/57xx_iscsi_hsi.h

9.509 iscsi_kwqe_init1 Struct Reference

Public Attributes

- u32 **dummy_buffer_addr_lo**
- u32 **dummy_buffer_addr_hi**

9.509.1 Detailed Description

Definition at line 542 of file 57xx_iscsi_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-
05/driver/57xx_iscsi_hsi.h

9.510 iscsi_kwqe_init2 Struct Reference

Public Attributes

- u32 **error_bit_map** [2]
- u32 **reserved1** [5]

9.510.1 Detailed Description

Definition at line 612 of file 57xx_iscsi_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-
05/driver/57xx_iscsi_hsi.h

9.511   iscsi_pte Struct Reference

Public Attributes

- u32 **hi**
- u32 **lo**

9.511.1   Detailed Description

Definition at line 645 of file 57xx_iscsi_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/57xx_iscsi_hsi.h

9.512   iscsi_request Union Reference

Public Attributes

- struct bnx2i_cmd_request **cmd**
- struct bnx2i_tmf_request **tmf**
- struct bnx2i_nop_out_request **nop_out**
- struct bnx2i_login_request **login_req**
- struct bnx2i_text_request **text**
- struct bnx2i_logout_request **logout_req**
- struct bnx2i_cleanup_request **cleanup**

9.512.1   Detailed Description

Definition at line 1376 of file 57xx_iscsi_hsi.h.

The documentation for this union was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/57xx_iscsi_hsi.h

9.513   iscsi_response Union Reference

Public Attributes

- struct bnx2i_cmd_response **cmd**
- struct bnx2i_tmf_response **tmf**
- struct bnx2i_login_response **login_resp**

- struct bnx2i_text_response **text**
- struct bnx2i_logout_response **logout_resp**
- struct bnx2i_cleanup_response **cleanup**
- struct bnx2i_reject_msg **reject**
- struct bnx2i_async_msg **async**
- struct bnx2i_nop_in_msg **nop_in**

9.513.1   Detailed Description

Definition at line 1497 of file 57xx_iscsi_hsi.h.

The documentation for this union was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/57xx_iscsi_hsi.h

9.514   iscsi_task_context_entry_x Struct Reference

Public Attributes

- u32 **data_out_buffer_offset**
- u32 **itt**
- u32 **data_sn**

9.514.1   Detailed Description

Definition at line 2074 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-defs.h

9.515   iscsi_task_context_entry_xuc_x_write_only Struct Reference

Public Attributes

- u32 **tx_r2t_sn**

9.515.1 Detailed Description

Definition at line 2080 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
defs.h

9.516 iscsi_task_context_entry_xuc_xu_write_both Struct Reference

Public Attributes

- u32 **sgl_base_lo**
- u32 **sgl_base_hi**

9.516.1 Detailed Description

Definition at line 2084 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
defs.h

9.517 iscsi_term_vars Struct Reference

Public Attributes

- u8 **BitMap**

9.517.1 Detailed Description

Definition at line 885 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
defs.h

9.518 iscsi_timers_block_context Struct Reference

Public Attributes

- u32 **__reserved_0**
- u32 **__reserved_1**
- u32 **__reserved_2**
- u32 **flags**

9.518.1 Detailed Description

Definition at line 1804 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-defs.h

9.519 isis_common_header Struct Reference

Public Attributes

- u_int8_t **nlpid**
- u_int8_t **fixed_len**
- u_int8_t **version**
- u_int8_t **id_length**
- u_int8_t **pdu_type**
- u_int8_t **pdu_version**
- u_int8_t **reserved**
- u_int8_t **max_area**

9.519.1 Detailed Description

Definition at line 554 of file print-isoclns.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-isoclns.c

9.520 isis_csnp_header Struct Reference

Public Attributes

- u_int8_t **pdu_len** [2]

- u_int8_t **source_id** [NODE_ID_LEN]
- u_int8_t **start_lsp_id** [LSP_ID_LEN]
- u_int8_t **end_lsp_id** [LSP_ID_LEN]

9.520.1 Detailed Description

Definition at line 591 of file print-isoclns.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-isoclns.c

9.521 isis_iih_lan_header Struct Reference

Public Attributes

- u_int8_t **circuit_type**
- u_int8_t **source_id** [SYSTEM_ID_LEN]
- u_int8_t **holding_time** [2]
- u_int8_t **pdu_len** [2]
- u_int8_t **priority**
- u_int8_t **lan_id** [NODE_ID_LEN]

9.521.1 Detailed Description

Definition at line 565 of file print-isoclns.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-isoclns.c

9.522 isis_iih_ptp_header Struct Reference

Public Attributes

- u_int8_t **circuit_type**
- u_int8_t **source_id** [SYSTEM_ID_LEN]
- u_int8_t **holding_time** [2]
- u_int8_t **pdu_len** [2]
- u_int8_t **circuit_id**

9.522.1 Detailed Description

Definition at line 574 of file print-isoclns.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-isoclns.c

9.523 isis_lsp_header Struct Reference

Public Attributes

- u_int8_t **pdu_len** [2]
- u_int8_t **remaining_lifetime** [2]
- u_int8_t **lsp_id** [LSP_ID_LEN]
- u_int8_t **sequence_number** [4]
- u_int8_t **checksum** [2]
- u_int8_t **typeblock**

9.523.1 Detailed Description

Definition at line 582 of file print-isoclns.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-isoclns.c

9.524 isis_metric_block Struct Reference

Public Attributes

- u_int8_t **metric_default**
- u_int8_t **metric_delay**
- u_int8_t **metric_expense**
- u_int8_t **metric_error**

9.524.1 Detailed Description

Definition at line 518 of file print-isoclns.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-isoclns.c

9.525 isis_psnp_header Struct Reference

Public Attributes

- u_int8_t **pdu_len** [2]
- u_int8_t **source_id** [NODE_ID_LEN]

9.525.1 Detailed Description

Definition at line 598 of file print-isoclns.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-isoclns.c

9.526 isis_tlv_es_reach Struct Reference

Public Attributes

- struct isis_metric_block **isis_metric_block**
- u_int8_t **neighbor_sysid** [SYSTEM_ID_LEN]

9.526.1 Detailed Description

Definition at line 530 of file print-isoclns.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-isoclns.c

9.527 isis_tlv_ip_reach Struct Reference

Public Attributes

- struct isis_metric_block **isis_metric_block**
- u_int8_t **prefix** [4]
- u_int8_t **mask** [4]

9.527.1 Detailed Description

Definition at line 535 of file print-isoclns.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-isoclns.c

9.528 isis_tlv_is_reach Struct Reference

Public Attributes

- struct [isis_metric_block](#) **isis_metric_block**
- u_int8_t **neighbor_nodeid** [NODE_ID_LEN]

9.528.1 Detailed Description

Definition at line 525 of file print-isoclns.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-isoclns.c

9.529 isis_tlv_lsp Struct Reference

Public Attributes

- u_int8_t **remaining_lifetime** [2]
- u_int8_t **lsp_id** [LSP_ID_LEN]
- u_int8_t **sequence_number** [4]
- u_int8_t **checksum** [2]

9.529.1 Detailed Description

Definition at line 603 of file print-isoclns.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-isoclns.c

9.530 isis_tlv_ptp_adj Struct Reference

Public Attributes

- u_int8_t **adjacency_state**
- u_int8_t **extd_local_circuit_id** [4]
- u_int8_t **neighbor_sysid** [SYSTEM_ID_LEN]
- u_int8_t **neighbor_extd_local_circuit_id** [4]

9.530.1   Detailed Description

Definition at line 505 of file print-isoclns.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-isoclns.c

9.531   ixgbe_adapter Struct Reference

Public Member Functions

- **DECLARE_BITMAP** (active_vfs, IXGBE_MAX_VF_FUNCTIONS)
- **DECLARE_BITMAP** (active_vfs, IXGBE_MAX_VF_FUNCTIONS)

Public Attributes

- struct timer_list **service_timer**
- u16 **bd_number**
- struct ixgbe_q_vector ∗ **q_vector** [MAX_MSIX_Q_VECTORS]
- struct ixgbe_dcb_config **dcb_cfg**
- struct ixgbe_dcb_config **temp_dcb_cfg**
- u8 **dcb_set_bitmap**
- enum ixgbe_fc_mode **last_lfc_mode**
- u32 **rx_itr_setting**
- u32 **tx_itr_setting**
- u16 **rx_work_limit**
- u16 **tx_work_limit**
- struct ixgbe_ring ∗tx_ring[MAX_TX_QUEUES] **____cacheline_aligned_in_smp**

- int **num_tx_queues**
- u32 **tx_timeout_count**
- u64 **restart_queue**
- u64 **lsc_int**
- struct ixgbe_ring ∗rx_ring[MAX_TX_QUEUES] **____cacheline_aligned_in_smp**

- int **num_rx_queues**
- int **num_rx_pools**
- int **num_rx_queues_per_pool**
- u64 **hw_csum_rx_error**
- u64 **hw_rx_no_dma_resources**
- u64 **non_eop_descs**
- u64 **rx_dropped_backlog**
- int **num_msix_vectors**
- int **max_msix_q_vectors**

- struct ixgbe_ring_feature **ring_feature** [RING_F_ARRAY_SIZE]
- struct msix_entry ∗ **msix_entries**
- u32 **alloc_rx_page_failed**
- u32 **alloc_rx_buff_failed**
- u32 **flags**
- u32 **flags2**
- struct net_device ∗ **netdev**
- struct pci_dev ∗ **pdev**
- struct net_device_stats **net_stats**
- struct ixgbe_lro_stats **lro_stats**
- struct ixgbe_hw **hw**
- u16 **msg_enable**
- struct ixgbe_hw_stats **stats**
- u32 **lli_port**
- u32 **lli_size**
- u64 **lli_int**
- u32 **lli_etype**
- u32 **lli_vlan_pri**
- u32 **rx_eitr_param**
- u32 **tx_eitr_param**
- unsigned long **state**
- u32 ∗ **config_space**
- u64 **tx_busy**
- unsigned int **tx_ring_count**
- unsigned int **rx_ring_count**
- u32 **link_speed**
- bool **link_up**
- unsigned long **link_check_timeout**
- struct work_struct **service_task**
- u64 **flm**
- u32 **fdir_pballoc**
- u32 **atr_sample_rate**
- spinlock_t **fdir_perfect_lock**
- u64 **rsc_total_count**
- u64 **rsc_total_flush**
- u32 **wol**
- u16 **eeprom_version**
- bool **netdev_registered**
- char **lsc_int_name** [IFNAMSIZ+9]
- u32 **interrupt_event**
- unsigned int **num_vfs**
- bool **repl_enable**
- bool **l2switch_enable**
- struct vf_data_storage ∗ **vfinfo**
- int **node**
- unsigned long **fdir_overflow**

- struct [ixgbe_ring](#) ∗rx_ring[MAX_RX_QUEUES] **____cacheline_aligned_in_smp**

- bool **l2loopback_enable**
- int **vf_rate_link_speed**
- struct hlist_head **fdir_filter_list**
- union [ixgbe_atr_input](#) **fdir_mask**
- int **fdir_filter_count**

9.531.1 Detailed Description

Definition at line 475 of file ixgbe.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe.h

9.532 ixgbe_addr_filter_info Struct Reference

Public Attributes

- u32 **num_mc_addrs**
- u32 **rar_used_count**
- u32 **mta_in_use**
- u32 **overflow_promisc**
- bool **user_set_promisc**

9.532.1 Detailed Description

Definition at line 2521 of file ixgbe_type.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe_-type.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe_type.h

9.533 ixgbe_adv_rx_desc Union Reference

Public Attributes

- struct {
  __le64 **pkt_addr**
  __le64 **hdr_addr**

    } **read**

- struct {
  - struct {
    - union {
      - __le32 **data**
      - struct {
        - __le16 **pkt_info**
        - __le16 **hdr_info**
      - } **hs_rss**
    - } **lo_dword**
    - union {
      - __le32 **rss**
      - struct {
        - __le16 **ip_id**
        - __le16 **csum**
      - } **csum_ip**
    - } **hi_dword**
  - } **lower**
  - struct {
    - __le32 **status_error**
    - __le16 **length**
    - __le16 **vlan**
  - } **upper**
  - } **wb**

- struct {
  - __le64 **pkt_addr**
  - __le64 **hdr_addr**
  - } **read**

- struct {
  - struct {
    - union {
      - __le32 **data**
      - struct {
        - __le16 **pkt_info**
        - __le16 **hdr_info**
      - } **hs_rss**
    - } **lo_dword**
    - union {
      - __le32 **rss**
      - struct {
        - __le16 **ip_id**
        - __le16 **csum**
      - } **csum_ip**
    - } **hi_dword**
  - } **lower**
  - struct {
    - __le32 **status_error**

```
          __le16 length
          __le16 vlan
      } upper
  } wb
```

9.533.1 Detailed Description

Definition at line 2188 of file ixgbe_type.h.

The documentation for this union was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe_-type.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe_type.h

9.534 ixgbe_adv_tx_context_desc Struct Reference

Public Attributes

- __le32 **vlan_macip_lens**
- __le32 **seqnum_seed**
- __le32 **type_tucmd_mlhl**
- __le32 **mss_l4len_idx**

9.534.1 Detailed Description

Definition at line 2219 of file ixgbe_type.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe_-type.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe_type.h

9.535 ixgbe_adv_tx_desc Union Reference

Public Attributes

- struct {
    __le64 **buffer_addr**
    __le32 **cmd_type_len**
    __le32 **olinfo_status**
  } **read**

- struct {
    __le64 **rsvd**
    __le32 **nxtseq_seed**
    __le32 **status**
  } **wb**

- struct {
    __le64 **buffer_addr**
    __le32 **cmd_type_len**
    __le32 **olinfo_status**
  } **read**

- struct {
    __le64 **rsvd**
    __le32 **nxtseq_seed**
    __le32 **status**
  } **wb**

9.535.1 Detailed Description

Definition at line 2164 of file ixgbe_type.h.

The documentation for this union was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe_-type.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe_type.h

9.536 ixgbe_atr_hash_dword Union Reference

Public Attributes

- struct {
    u8 **vm_pool**
    u8 **flow_type**
    __be16 **vlan_id**
  } **formatted**

- __be32 **ip**
- struct {
    __be16 **src**
    __be16 **dst**
  } **port**

- __be16 **flex_bytes**
- __be32 **dword**

9.536.1 Detailed Description

Definition at line 2515 of file ixgbe_type.h.

The documentation for this union was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe_type.h

9.537 ixgbe_atr_input Union Reference

Public Attributes

- struct {
    __be16 **rsvd0**
    __be16 **vlan_id**
    __be32 **dst_ip** [4]
    __be32 **src_ip** [4]
    __be16 **src_port**
    __be16 **dst_port**
    __be16 **flex_bytes**
    u8 **vm_pool**
    u8 **flow_type**
  } **formatted**

- __be32 **dword_stream** [11]
- struct {
    u8 **vm_pool**
    u8 **flow_type**
    __be16 **vlan_id**
    __be32 **dst_ip** [4]
    __be32 **src_ip** [4]
    __be16 **src_port**
    __be16 **dst_port**
    __be16 **flex_bytes**
    __be16 **bkt_hash**
  } **formatted**

9.537.1 Detailed Description

Definition at line 2345 of file ixgbe_type.h.

The documentation for this union was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe_-type.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe_type.h

9.538 ixgbe_atr_input_masks Struct Reference

Public Attributes

- __be16 **rsvd0**
- __be16 **vlan_id_mask**
- __be32 **dst_ip_mask** [4]
- __be32 **src_ip_mask** [4]
- __be16 **src_port_mask**
- __be16 **dst_port_mask**
- __be16 **flex_mask**

9.538.1 Detailed Description

Definition at line 2372 of file ixgbe_type.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe_-type.h

9.539 ixgbe_bus_info Struct Reference

Public Attributes

- enum ixgbe_bus_speed **speed**
- enum ixgbe_bus_width **width**
- enum ixgbe_bus_type **type**
- u16 **func**
- u16 **lan_id**

9.539.1 Detailed Description

Definition at line 2530 of file ixgbe_type.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe_-type.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe_type.h

9.540 ixgbe_dcb_config Struct Reference

Public Attributes

- struct tc_configuration **tc_config** [MAX_TRAFFIC_CLASS]
- struct dcb_support **support**
- struct dcb_num_tcs **num_tcs**
- u8 **bw_percentage** [2][MAX_BW_GROUP]
- bool **pfc_mode_enable**
- bool **round_robin_enable**
- enum dcb_rx_pba_cfg **rx_pba_cfg**
- u32 **dcb_cfg_version**
- u32 **link_speed**
- enum ixgbe_fdir_pballoc_type **fdir_pballoc**

9.540.1 Detailed Description

Definition at line 135 of file ixgbe_dcb.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe_-dcb.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe_dcb.h

9.541 ixgbe_eeprom_info Struct Reference

Public Attributes

- struct ixgbe_eeprom_operations **ops**
- enum ixgbe_eeprom_type **type**
- u32 **semaphore_delay**
- u16 **word_size**
- u16 **address_bits**

9.541.1 Detailed Description

Definition at line 2723 of file ixgbe_type.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe_-type.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe_type.h

9.542 **ixgbe_eeprom_operations Struct Reference**

Public Attributes

- s32(∗ **init_params**)(struct ixgbe_hw ∗)
- s32(∗ **read**)(struct ixgbe_hw ∗, u16, u16 ∗)
- s32(∗ **write**)(struct ixgbe_hw ∗, u16, u16)
- s32(∗ **validate_checksum**)(struct ixgbe_hw ∗, u16 ∗)
- s32(∗ **update_checksum**)(struct ixgbe_hw ∗)
- u16(∗ **calc_checksum**)(struct ixgbe_hw ∗)

9.542.1 Detailed Description

Definition at line 2632 of file ixgbe_type.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe_-type.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe_type.h

9.543 **ixgbe_fc_info Struct Reference**

Public Attributes

- u32 **high_water**
- u32 **low_water**
- u16 **pause_time**
- bool **send_xon**
- bool **strict_ieee**
- bool **disable_fc_autoneg**
- bool **fc_was_autonegged**
- enum ixgbe_fc_mode **current_mode**
- enum ixgbe_fc_mode **requested_mode**

9.543.1 Detailed Description

Definition at line 2540 of file ixgbe_type.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe_-type.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe_type.h

9.544 ixgbe_fdir_filter Struct Reference

Public Attributes

- struct hlist_node **fdir_node**
- union ixgbe_atr_input **filter**
- u16 **sw_idx**
- u16 **action**

9.544.1 Detailed Description

Definition at line 690 of file ixgbe.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe.h

9.545 ixgbe_hic_drv_info Struct Reference

Public Attributes

- struct ixgbe_hic_hdr **hdr**
- u8 **port_num**
- u32 **drv_version**
- u16 **pad**
- u8 **pad2**

9.545.1 Detailed Description

Definition at line 2275 of file ixgbe_type.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe_type.h

9.546 ixgbe_hic_hdr Struct Reference

Public Attributes

- u8 **cmd**
- u8 **buf_len**

- union {
    u8 **cmd_resv**
    u8 **ret_status**
  } **cmd_or_resp**

- u8 **checksum**

9.546.1 Detailed Description

Definition at line 2265 of file ixgbe_type.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe_type.h

9.547 ixgbe_hw Struct Reference

Public Attributes

- u8 __iomem ∗ **hw_addr**
- void ∗ **back**
- struct ixgbe_mac_info **mac**
- struct ixgbe_addr_filter_info **addr_ctrl**
- struct ixgbe_fc_info **fc**
- struct ixgbe_phy_info **phy**
- struct ixgbe_eeprom_info **eeprom**
- struct ixgbe_bus_info **bus**
- struct ixgbe_mbx_info **mbx**
- u16 **device_id**
- u16 **vendor_id**
- u16 **subsystem_device_id**
- u16 **subsystem_vendor_id**
- u8 **revision_id**
- bool **adapter_stopped**
- bool **force_full_reset**

9.547.1 Detailed Description

Definition at line 2809 of file ixgbe_type.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe_-type.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe_type.h

9.548 ixgbe_hw_stats Struct Reference

Public Attributes

- u64 **crcerrs**
- u64 **illerrc**
- u64 **errbc**
- u64 **mspdc**
- u64 **mpctotal**
- u64 **mpc** [8]
- u64 **mlfc**
- u64 **mrfc**
- u64 **rlec**
- u64 **lxontxc**
- u64 **lxonrxc**
- u64 **lxofftxc**
- u64 **lxoffrxc**
- u64 **pxontxc** [8]
- u64 **pxonrxc** [8]
- u64 **pxofftxc** [8]
- u64 **pxoffrxc** [8]
- u64 **prc64**
- u64 **prc127**
- u64 **prc255**
- u64 **prc511**
- u64 **prc1023**
- u64 **prc1522**
- u64 **gprc**
- u64 **bprc**
- u64 **mprc**
- u64 **gptc**
- u64 **gorc**
- u64 **gotc**
- u64 **rnbc** [8]
- u64 **ruc**
- u64 **rfc**
- u64 **roc**
- u64 **rjc**
- u64 **mngprc**
- u64 **mngpdc**
- u64 **mngptc**
- u64 **tor**
- u64 **tpr**
- u64 **tpt**
- u64 **ptc64**
- u64 **ptc127**

- u64 **ptc255**
- u64 **ptc511**
- u64 **ptc1023**
- u64 **ptc1522**
- u64 **mptc**
- u64 **bptc**
- u64 **xec**
- u64 **qprc** [16]
- u64 **qptc** [16]
- u64 **qbrc** [16]
- u64 **qbtc** [16]
- u64 **qprdc** [16]
- u64 **pxon2offc** [8]
- u64 **fdirustat_add**
- u64 **fdirustat_remove**
- u64 **fdirfstat_fadd**
- u64 **fdirfstat_fremove**
- u64 **fdirmatch**
- u64 **fdirmiss**
- u64 **fccrc**
- u64 **fclast**
- u64 **fcoerpdc**
- u64 **fcoeprc**
- u64 **fcoeptc**
- u64 **fcoedwrc**
- u64 **fcoedwtc**
- u64 **ldpcec**
- u64 **pcrc8ec**
- u64 **b2ospc**
- u64 **b2ogprc**
- u64 **o2bgptc**
- u64 **o2bspc**

9.548.1 Detailed Description

Definition at line 2553 of file ixgbe_type.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe_-type.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe_type.h

9.549 ixgbe_legacy_rx_desc Struct Reference

Public Attributes

- __le64 **buffer_addr**
- __le16 **length**
- __le16 **csum**
- u8 **status**
- u8 **errors**
- __le16 **vlan**

9.549.1 Detailed Description

Definition at line 2178 of file ixgbe_type.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe_-type.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe_type.h

9.550 ixgbe_legacy_tx_desc Struct Reference

Public Attributes

- u64 **buffer_addr**
- union {
  __le32 **data**
  struct {
    __le16 **length**
    u8 **cso**
    u8 **cmd**
  } **flags**
} **lower**

- union {
  __le32 **data**
  struct {
    u8 **status**
    u8 **css**
    __le16 **vlan**
  } **fields**
} **upper**

- union {
  __le32 **data**

```
    struct {
        __le16 length
        u8 cso
        u8 cmd
    } flags
} lower
```

- union {
  ```
      __le32 data
      struct {
        u8 status
        u8 css
        __le16 vlan
      } fields
  } upper
  ```

9.550.1 Detailed Description

Definition at line 2143 of file ixgbe_type.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe_-type.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe_type.h

9.551 ixgbe_lro_desc Struct Reference

Public Attributes

- struct hlist_node **lro_node**
- struct sk_buff ∗ **skb**
- __be32 **source_ip**
- __be32 **dest_ip**
- __be16 **source_port**
- __be16 **dest_port**
- __be32 **ack_seq**
- __be16 **window**
- u16 **mss**
- u16 **vlan_tag**
- u16 **len**
- u32 **next_seq**
- u16 **opt_bytes**
- u16 **psh**:1
- u32 **tsval**

- __be32 **tsecr**
- u32 **append_cnt**
- struct vlan_group ∗ **vlgrp**

9.551.1 Detailed Description

Definition at line 193 of file ixgbe.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe.h

9.552 ixgbe_lro_list Struct Reference

Public Attributes

- struct hlist_head **active**
- struct hlist_head **free**
- int **active_cnt**
- struct ixgbe_lro_stats **stats**

9.552.1 Detailed Description

Definition at line 213 of file ixgbe.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe.h

9.553 ixgbe_lro_stats Struct Reference

Public Attributes

- u32 **flushed**
- u32 **coal**
- u32 **recycled**

9.553.1 Detailed Description

Definition at line 187 of file ixgbe.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe.h

9.554 ixgbe_mac_info Struct Reference

Public Attributes

- struct ixgbe_mac_operations **ops**
- enum ixgbe_mac_type **type**
- u8 **addr** [IXGBE_ETH_LENGTH_OF_ADDRESS]
- u8 **perm_addr** [IXGBE_ETH_LENGTH_OF_ADDRESS]
- u8 **san_addr** [IXGBE_ETH_LENGTH_OF_ADDRESS]
- u16 **wwnn_prefix**
- u16 **wwpn_prefix**
- u32 **mta_shadow** [IXGBE_MAX_MTA]
- s32 **mc_filter_type**
- u32 **mcft_size**
- u32 **vft_size**
- u32 **num_rar_entries**
- u32 **rar_highwater**
- u32 **rx_pb_size**
- u32 **max_tx_queues**
- u32 **max_rx_queues**
- u32 **max_msix_vectors**
- bool **msix_vectors_from_pcie**
- u32 **orig_autoc**
- u32 **orig_autoc2**
- bool **orig_link_settings_stored**
- bool **autotry_restart**
- u8 **flags**
- bool **arc_subsystem_valid**

9.554.1 Detailed Description

Definition at line 2732 of file ixgbe_type.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe_-type.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe_type.h

9.555 ixgbe_mac_operations Struct Reference

Public Attributes

- s32(∗ **init_hw**)(struct ixgbe_hw ∗)
- s32(∗ **reset_hw**)(struct ixgbe_hw ∗)
- s32(∗ **start_hw**)(struct ixgbe_hw ∗)
- s32(∗ **clear_hw_cntrs**)(struct ixgbe_hw ∗)
- void(∗ **enable_relaxed_ordering**)(struct ixgbe_hw ∗)
- enum ixgbe_media_type(∗ **get_media_type**)(struct ixgbe_hw ∗)
- u32(∗ **get_supported_physical_layer**)(struct ixgbe_hw ∗)
- s32(∗ **get_mac_addr**)(struct ixgbe_hw ∗, u8 ∗)
- s32(∗ **get_san_mac_addr**)(struct ixgbe_hw ∗, u8 ∗)
- s32(∗ **set_san_mac_addr**)(struct ixgbe_hw ∗, u8 ∗)
- s32(∗ **get_device_caps**)(struct ixgbe_hw ∗, u16 ∗)
- s32(∗ **get_wwn_prefix**)(struct ixgbe_hw ∗, u16 ∗, u16 ∗)
- s32(∗ **get_fcoe_boot_status**)(struct ixgbe_hw ∗, u16 ∗)
- s32(∗ **stop_adapter**)(struct ixgbe_hw ∗)
- s32(∗ **get_bus_info**)(struct ixgbe_hw ∗)
- void(∗ **set_lan_id**)(struct ixgbe_hw ∗)
- s32(∗ **read_analog_reg8**)(struct ixgbe_hw ∗, u32, u8 ∗)
- s32(∗ **write_analog_reg8**)(struct ixgbe_hw ∗, u32, u8)
- s32(∗ **setup_sfp**)(struct ixgbe_hw ∗)
- s32(∗ **enable_rx_dma**)(struct ixgbe_hw ∗, u32)
- s32(∗ **acquire_swfw_sync**)(struct ixgbe_hw ∗, u16)
- void(∗ **release_swfw_sync**)(struct ixgbe_hw ∗, u16)
- void(∗ **disable_tx_laser**)(struct ixgbe_hw ∗)
- void(∗ **enable_tx_laser**)(struct ixgbe_hw ∗)
- void(∗ **flap_tx_laser**)(struct ixgbe_hw ∗)
- s32(∗ **setup_link**)(struct ixgbe_hw ∗, ixgbe_link_speed, bool, bool)
- s32(∗ **check_link**)(struct ixgbe_hw ∗, ixgbe_link_speed ∗, bool ∗, bool)
- s32(∗ **get_link_capabilities**)(struct ixgbe_hw ∗, ixgbe_link_speed ∗, bool ∗)
- s32(∗ **led_on**)(struct ixgbe_hw ∗, u32)
- s32(∗ **led_off**)(struct ixgbe_hw ∗, u32)
- s32(∗ **blink_led_start**)(struct ixgbe_hw ∗, u32)
- s32(∗ **blink_led_stop**)(struct ixgbe_hw ∗, u32)
- s32(∗ **set_rar**)(struct ixgbe_hw ∗, u32, u8 ∗, u32, u32)
- s32(∗ **clear_rar**)(struct ixgbe_hw ∗, u32)
- s32(∗ **insert_mac_addr**)(struct ixgbe_hw ∗, u8 ∗, u32)
- s32(∗ **set_vmdq**)(struct ixgbe_hw ∗, u32, u32)
- s32(∗ **clear_vmdq**)(struct ixgbe_hw ∗, u32, u32)
- s32(∗ **init_rx_addrs**)(struct ixgbe_hw ∗)
- s32(∗ **update_uc_addr_list**)(struct ixgbe_hw ∗, u8 ∗, u32, ixgbe_mc_addr_itr)
- s32(∗ **update_mc_addr_list**)(struct ixgbe_hw ∗, u8 ∗, u32, ixgbe_mc_addr_itr)
- s32(∗ **enable_mc**)(struct ixgbe_hw ∗)
- s32(∗ **disable_mc**)(struct ixgbe_hw ∗)

- s32(∗ **clear_vfta**)(struct ixgbe_hw ∗)
- s32(∗ **set_vfta**)(struct ixgbe_hw ∗, u32, u32, bool)
- s32(∗ **init_uta_tables**)(struct ixgbe_hw ∗)
- void(∗ **set_mac_anti_spoofing**)(struct ixgbe_hw ∗, bool, int)
- void(∗ **set_vlan_anti_spoofing**)(struct ixgbe_hw ∗, bool, int)
- s32(∗ **fc_enable**)(struct ixgbe_hw ∗, s32)
- s32(∗ **set_fw_drv_ver**)(struct ixgbe_hw ∗, u8, u8, u8, u8)

9.555.1 Detailed Description

Definition at line 2641 of file ixgbe_type.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe_-
type.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe_type.h

9.556 ixgbe_mbx_info Struct Reference

Public Attributes

- struct ixgbe_mbx_operations **ops**
- struct ixgbe_mbx_stats **stats**
- u32 **timeout**
- u32 **udelay**
- u32 **v2p_mailbox**
- u16 **size**

9.556.1 Detailed Description

Definition at line 2800 of file ixgbe_type.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe_-
type.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe_type.h

9.557 ixgbe_mbx_operations Struct Reference

Public Attributes

- void(∗ **init_params**)(struct ixgbe_hw ∗hw)

- s32(∗ **read**)(struct ixgbe_hw ∗, u32 ∗, u16, u16)
- s32(∗ **write**)(struct ixgbe_hw ∗, u32 ∗, u16, u16)
- s32(∗ **read_posted**)(struct ixgbe_hw ∗, u32 ∗, u16, u16)
- s32(∗ **write_posted**)(struct ixgbe_hw ∗, u32 ∗, u16, u16)
- s32(∗ **check_for_msg**)(struct ixgbe_hw ∗, u16)
- s32(∗ **check_for_ack**)(struct ixgbe_hw ∗, u16)
- s32(∗ **check_for_rst**)(struct ixgbe_hw ∗, u16)

9.557.1 Detailed Description

Definition at line 2780 of file ixgbe_type.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe_-type.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe_type.h

9.558 ixgbe_mbx_stats Struct Reference

Public Attributes

- u32 **msgs_tx**
- u32 **msgs_rx**
- u32 **acks**
- u32 **reqs**
- u32 **rsts**

9.558.1 Detailed Description

Definition at line 2791 of file ixgbe_type.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe_-type.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe_type.h

9.559 ixgbe_option Struct Reference

Public Types

- enum { **enable_option**, **range_option**, **list_option** }
- enum { **enable_option**, **range_option**, **list_option** }

Public Attributes

- enum ixgbe_option:: { ... } **type**
- const char ∗ **name**
- const char ∗ **err**
- int **def**
- union {
    struct {
      int **min**
      int **max**
    } **r**
    struct {
      int **nr**
      struct **ixgbe_opt_list** {
        int **i**
        char ∗ **str**
      } **p**
    } **l**
  } **arg**

- enum ixgbe_option:: { ... } **type**
- union {
    struct {
      int **min**
      int **max**
    } **r**
    struct {
      int **nr**
      struct **ixgbe_opt_list** {
        int **i**
        char ∗ **str**
      } **p**
    } **l**
  } **arg**

9.559.1 Detailed Description

Definition at line 319 of file ixgbe_param.c.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe_-
  param.c
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe_param.c

9.560 ixgbe_phy_info Struct Reference

Public Attributes

- struct ixgbe_phy_operations **ops**
- enum ixgbe_phy_type **type**
- u32 **addr**
- u32 **id**
- enum ixgbe_sfp_type **sfp_type**
- bool **sfp_setup_needed**
- u32 **revision**
- enum ixgbe_media_type **media_type**
- bool **reset_disable**
- ixgbe_autoneg_advertised **autoneg_advertised**
- enum ixgbe_smart_speed **smart_speed**
- bool **smart_speed_active**
- bool **multispeed_fiber**
- bool **reset_if_overtemp**

9.560.1 Detailed Description

Definition at line 2761 of file ixgbe_type.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe_-type.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe_type.h

9.561 ixgbe_phy_operations Struct Reference

Public Attributes

- s32(∗ **identify**)(struct ixgbe_hw ∗)
- s32(∗ **identify_sfp**)(struct ixgbe_hw ∗)
- s32(∗ **init**)(struct ixgbe_hw ∗)
- s32(∗ **reset**)(struct ixgbe_hw ∗)
- s32(∗ **read_reg**)(struct ixgbe_hw ∗, u32, u32, u16 ∗)
- s32(∗ **write_reg**)(struct ixgbe_hw ∗, u32, u32, u16)
- s32(∗ **setup_link**)(struct ixgbe_hw ∗)
- s32(∗ **setup_link_speed**)(struct ixgbe_hw ∗, ixgbe_link_speed, bool, bool)
- s32(∗ **check_link**)(struct ixgbe_hw ∗, ixgbe_link_speed ∗, bool ∗)
- s32(∗ **get_firmware_version**)(struct ixgbe_hw ∗, u16 ∗)
- s32(∗ **read_i2c_byte**)(struct ixgbe_hw ∗, u8, u8, u8 ∗)
- s32(∗ **write_i2c_byte**)(struct ixgbe_hw ∗, u8, u8, u8)

- s32(∗ **read_i2c_eeprom**)(struct ixgbe_hw ∗, u8, u8 ∗)
- s32(∗ **write_i2c_eeprom**)(struct ixgbe_hw ∗, u8, u8)
- void(∗ **i2c_bus_clear**)(struct ixgbe_hw ∗)
- s32(∗ **check_overtemp**)(struct ixgbe_hw ∗)

9.561.1 Detailed Description

Definition at line 2703 of file ixgbe_type.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe_-type.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe_type.h

9.562 ixgbe_q_vector Struct Reference

Public Attributes

- struct ixgbe_adapter ∗ **adapter**
- unsigned int **v_idx**
- int **cpu**
- struct ixgbe_ring ∗ **rx_ring**
- struct ixgbe_ring ∗ **tx_ring**
- u8 **rxr_count**
- u8 **txr_count**
- u8 **rx_itr**
- u8 **tx_itr**
- u32 **eitr**
- u16 **rx_work_limit**
- u16 **tx_work_limit**
- unsigned int **total_rx_bytes**
- unsigned int **total_rx_packets**
- unsigned int **total_tx_bytes**
- unsigned int **total_tx_packets**
- struct ixgbe_lro_list ∗ **lrolist**
- char **name** [IFNAMSIZ+9]
- struct net_device **poll_dev**
- struct ixgbe_ring_container rx **tx**

9.562.1   Detailed Description

Definition at line 389 of file ixgbe.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe.h

9.563   ixgbe_queue_stats Struct Reference

Public Attributes

- u64 **packets**
- u64 **bytes**

9.563.1   Detailed Description

Definition at line 254 of file ixgbe.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe.h

9.564   ixgbe_ring Struct Reference

Public Attributes

- struct ixgbe_ring ∗ **next**
- void ∗ **desc**
- struct device ∗ **dev**
- struct net_device ∗ **netdev**
- union {
    struct ixgbe_tx_buffer ∗ **tx_buffer_info**
    struct ixgbe_rx_buffer ∗ **rx_buffer_info**
  };

- unsigned long **state**
- u8 __iomem ∗ **tail**
- u16 **count**
- u16 **rx_buf_len**
- u8 **queue_index**
- u8 **reg_idx**
- u8 **atr_sample_rate**

- u8 **atr_count**
- u16 **next_to_use**
- u16 **next_to_clean**
- struct ixgbe_queue_stats **stats**
- union {

    struct ixgbe_tx_queue_stats **tx_stats**

    struct ixgbe_rx_queue_stats **rx_stats**

  };

- int **numa_node**
- unsigned int **size**
- dma_addr_t **dma**
- struct ixgbe_q_vector ∗ **q_vector**
- union {

    struct ixgbe_tx_buffer ∗ **tx_buffer_info**

    struct ixgbe_rx_buffer ∗ **rx_buffer_info**

  };

- union {

    struct ixgbe_tx_queue_stats **tx_stats**

    struct ixgbe_rx_queue_stats **rx_stats**

  };

9.564.1 Detailed Description

Definition at line 315 of file ixgbe.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe.h

9.565 ixgbe_ring_container Struct Reference

Public Attributes

- struct ixgbe_ring ∗ **ring**
- unsigned int **total_bytes**
- unsigned int **total_packets**
- u16 **work_limit**
- u8 **count**
- u8 **itr**

9.565.1   Detailed Description

Definition at line 422 of file ixgbe.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe.h

9.566   ixgbe_ring_feature Struct Reference

Public Attributes

- int **indices**
- int **mask**

9.566.1   Detailed Description

Definition at line 376 of file ixgbe.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe.h

9.567   ixgbe_rsc_cb Struct Reference

Public Attributes

- struct sk_buff ∗ **head**
- dma_addr_t **dma**
- u16 **append_cnt**
- bool **delay_unmap**

9.567.1   Detailed Description

Definition at line 655 of file ixgbe.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe.h

9.568 ixgbe_rx_buffer Struct Reference

Public Attributes

- struct sk_buff ∗ **skb**
- dma_addr_t **dma**
- struct page ∗ **page**
- dma_addr_t **page_dma**
- unsigned int **page_offset**

9.568.1 Detailed Description

Definition at line 246 of file ixgbe.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe.h

9.569 ixgbe_rx_queue_stats Struct Reference

Public Attributes

- u64 **rsc_count**
- u64 **rsc_flush**
- u64 **non_eop_descs**
- u64 **alloc_rx_page_failed**
- u64 **alloc_rx_buff_failed**

9.569.1 Detailed Description

Definition at line 266 of file ixgbe.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe.h

9.570 ixgbe_tx_buffer Struct Reference

Public Attributes

- union ixgbe_adv_tx_desc ∗ **next_to_watch**
- unsigned long **time_stamp**

- dma_addr_t **dma**
- u32 **length**
- u32 **tx_flags**
- struct sk_buff ∗ **skb**
- u32 **bytecount**
- u16 **gso_segs**

9.570.1 Detailed Description

Definition at line 235 of file ixgbe.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe.h

9.571   ixgbe_tx_queue_stats Struct Reference

Public Attributes

- u64 **restart_queue**
- u64 **tx_busy**
- u64 **completed**
- u64 **tx_done_old**

9.571.1 Detailed Description

Definition at line 259 of file ixgbe.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe.h

9.572   juniper_cookie_table_t Struct Reference

Public Attributes

- u_int32_t **pictype**
- u_int8_t **cookie_len**
- const char ∗ **s**

9.572.1 Detailed Description

Definition at line 368 of file print-juniper.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-juniper.c

9.573 juniper_l2info_t Struct Reference

Public Attributes

- u_int32_t **length**
- u_int32_t **caplen**
- u_int32_t **pictype**
- u_int8_t **direction**
- u_int8_t **header_len**
- u_int8_t **cookie_len**
- u_int8_t **cookie_type**
- u_int8_t **cookie** [8]
- u_int8_t **bundle**
- u_int16_t **proto**
- u_int8_t **flags**

9.573.1 Detailed Description

Definition at line 411 of file print-juniper.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-juniper.c

9.574 k_ethtool_drvinfo Struct Reference

Public Attributes

- u32 **cmd**
- char **driver** [32]
- char **version** [32]
- char **fw_version** [32]
- char **bus_info** [32]
- char **reserved1** [32]
- char **reserved2** [16]
- u32 **n_stats**
- u32 **testinfo_len**
- u32 **eedump_len**
- u32 **regdump_len**

9.574.1 Detailed Description

Definition at line 400 of file kcompat.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/e1000/e1000-8.0.30/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/e1000e/e1000e-1.3.10a/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/kcompat.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/kcompat.h

9.575 kcqe Struct Reference

Public Attributes

- u32 **kcqe_info0**
- u32 **kcqe_info1**
- u32 **kcqe_info2**
- u32 **kcqe_info3**
- u32 **kcqe_info4**
- u32 **kcqe_info5**
- u32 **kcqe_info6**
- u32 **kcqe_op_flag**

9.575.1 Detailed Description

Definition at line 48 of file cnic_if.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
  if.h

9.576 krb Struct Reference

Public Attributes

- u_int8_t **pvno**
- u_int8_t **type**

9.576.1 Detailed Description

Definition at line 67 of file print-krb.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-krb.c

9.577 kwqe Struct Reference

Public Attributes

- u32 **kwqe_op_flag**
- u32 **kwqe_info0**
- u32 **kwqe_info1**
- u32 **kwqe_info2**
- u32 **kwqe_info3**
- u32 **kwqe_info4**
- u32 **kwqe_info5**
- u32 **kwqe_info6**

9.577.1 Detailed Description

Definition at line 24 of file cnic_if.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
  if.h

9.578 kwqe_16 Struct Reference

Public Attributes

- u32 **kwqe_info0**
- u32 **kwqe_info1**
- u32 **kwqe_info2**
- u32 **kwqe_info3**

9.578.1 Detailed Description

Definition at line 41 of file cnic_if.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
if.h

9.579   kwqe_16_data Struct Reference

Public Attributes

- u8 **data** [CNIC_KWQ16_DATA_SIZE]

9.579.1   Detailed Description

Definition at line 181 of file cnic.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic.h

9.580   l1rout Struct Reference

Public Attributes

- byte **r1_flags**
- word **r1_src**
- byte **r1_rsvd**

9.580.1   Detailed Description

Definition at line 192 of file decnet.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/decnet.h

9.581   l2_fhdr Struct Reference

Public Attributes

- u32 **l2_fhdr_status**
- u32 **l2_fhdr_hash**

9.581.1 Detailed Description

Definition at line 1182 of file bnx2.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/bnx2.h

9.582 l2rout Struct Reference

Public Attributes

- byte **r2_flags**
- word **r2_src**
- byte **r2_rsvd**

9.582.1 Detailed Description

Definition at line 199 of file decnet.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/decnet.h

9.583 l4_kcq Struct Reference

Public Attributes

- u32 **cid**
- u32 **pg_cid**
- u32 **conn_id**
- u32 **pg_host_opaque**
- u32 **reserved2** [2]

9.583.1 Detailed Description

Definition at line 63 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-defs.h

9.584 l4_kcq_upload_pg Struct Reference

Public Attributes

- u32 **pg_cid**
- u32 **reserved1** [5]

9.584.1 Detailed Description

Definition at line 107 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-defs.h

9.585 l4_kwq_close_req Struct Reference

Public Attributes

- u32 **cid**
- u32 **reserved2** [6]

9.585.1 Detailed Description

Definition at line 144 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-defs.h

9.586 l4_kwq_connect_req1 Struct Reference

Public Attributes

- u32 **cid**
- u32 **pg_cid**
- u32 **src_ip**
- u32 **dst_ip**
- u32 **rsrv2**

9.586.1 Detailed Description

Definition at line 174 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
  defs.h

9.587 l4_kwq_connect_req2 Struct Reference

Public Attributes

- u32 **reserved2**
- u32 **src_ip_v6_2**
- u32 **src_ip_v6_3**
- u32 **src_ip_v6_4**
- u32 **dst_ip_v6_2**
- u32 **dst_ip_v6_3**
- u32 **dst_ip_v6_4**

9.587.1 Detailed Description

Definition at line 268 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
  defs.h

9.588 l4_kwq_connect_req3 Struct Reference

Public Attributes

- u32 **ka_timeout**
- u32 **ka_interval**
- u32 **rcv_buf**
- u32 **snd_buf**
- u32 **seed**

9.588.1 Detailed Description

Definition at line 306 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
defs.h

9.589 l4_kwq_offload_pg Struct Reference

Public Attributes

- u32 **host_opaque**

9.589.1 Detailed Description

Definition at line 357 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
defs.h

9.590 l4_kwq_reset_req Struct Reference

Public Attributes

- u32 **cid**
- u32 **reserved2** [6]

9.590.1 Detailed Description

Definition at line 454 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
defs.h

9.591 l4_kwq_update_pg Struct Reference

Public Attributes

- u32 **pg_cid**
- u32 **pg_host_opaque**
- u32 **reserved4**
- u32 **reserved5**

9.591.1 Detailed Description

Definition at line 484 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
defs.h

9.592 l4_kwq_upload Struct Reference

Public Attributes

- u32 **cid**
- u32 **reserved2** [6]

9.592.1 Detailed Description

Definition at line 557 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
defs.h

9.593 l5cm_active_conn_buffer Struct Reference

Public Attributes

- struct l5cm_conn_addr_params **conn_addr_buf**
- struct l5cm_xstorm_conn_buffer **xstorm_conn_buffer**
- struct l5cm_tstorm_conn_buffer **tstorm_conn_buffer**

9.593.1 Detailed Description

Definition at line 2419 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
defs.h

9.594 l5cm_conn_addr_params Struct Reference

Public Attributes

- u32 **pmtu**
- struct ip_v6_addr **local_ip_addr**
- struct ip_v6_addr **remote_ip_addr**
- u32 **ipv6_flow_label_20b**
- u32 **reserved1**

9.594.1 Detailed Description

Definition at line 2314 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-defs.h

9.595 l5cm_packet_size Struct Reference

Public Attributes

- u32 **size**
- u32 **rsrv**

9.595.1 Detailed Description

Definition at line 2428 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-defs.h

9.596 l5cm_reduce_conn Struct Reference

Public Attributes

- union l5cm_reduce_param_union **param**
- u32 **isn**

9.596.1 Detailed Description

Definition at line 2444 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
defs.h

9.597 l5cm_reduce_param_union Union Reference

Public Attributes

- u32 **passive_side_scramble_key**
- u32 **pcs_id**

9.597.1 Detailed Description

Definition at line 2436 of file cnic_defs.h.

The documentation for this union was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
defs.h

9.598 l5cm_spe Struct Reference

Public Attributes

- struct spe_hdr **hdr**
- union l5cm_specific_data **data**

9.598.1 Detailed Description

Definition at line 2462 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
defs.h

9.599 l5cm_specific_data Union Reference

Public Attributes

- u8 **protocol_data** [8]
- struct regpair **phy_address**
- struct l5cm_packet_size **packet_size**
- struct l5cm_reduce_conn **reduced_conn**

9.599.1 Detailed Description

Definition at line 2452 of file cnic_defs.h.

The documentation for this union was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-defs.h

9.600 l5cm_tstorm_conn_buffer Struct Reference

Public Attributes

- u32 **snd_buf**
- u32 **rcv_buf**
- u32 **ka_timeout**
- u32 **ka_interval**
- u32 **max_rt_time**

9.600.1 Detailed Description

Definition at line 2391 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-defs.h

9.601 l5cm_xstorm_conn_buffer Struct Reference

Public Attributes

- u32 **rcv_buf**
- u32 **rsrv2**
- struct regpair **context_addr**

9.601.1 Detailed Description

Definition at line 2360 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-defs.h

9.602 l_fixedpt Struct Reference

Public Attributes

- u_int32_t **int_part**
- u_int32_t **fraction**

9.602.1 Detailed Description

Definition at line 30 of file ntp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ntp.h

9.603 lacp_marker_tlv_terminator_t Struct Reference

Public Attributes

- u_int8_t **pad** [50]

9.603.1 Detailed Description

Definition at line 249 of file print-slow.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-slow.c

9.604 lacp_tlv_actor_partner_info_t Struct Reference

Public Attributes

- u_int8_t **sys_pri** [2]

- u_int8_t **sys** [ETHER_ADDR_LEN]
- u_int8_t **key** [2]
- u_int8_t **port_pri** [2]
- u_int8_t **port** [2]
- u_int8_t **state**
- u_int8_t **pad** [3]

9.604.1 Detailed Description

Definition at line 215 of file print-slow.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-slow.c

9.605 lacp_tlv_collector_info_t Struct Reference

Public Attributes

- u_int8_t **max_delay** [2]
- u_int8_t **pad** [12]

9.605.1 Detailed Description

Definition at line 237 of file print-slow.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-slow.c

9.606 lane_controlhdr Struct Reference

Public Attributes

- u_int16_t **lec_header**
- u_int8_t **lec_proto**
- u_int8_t **lec_vers**
- u_int16_t **lec_opcode**

9.606.1 Detailed Description

Definition at line 36 of file lane.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/lane.h

9.607 LAP Struct Reference

Public Attributes

- u_int8_t **dst**
- u_int8_t **src**
- u_int8_t **type**

9.607.1 Detailed Description

Definition at line 26 of file appletalk.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/appletalk.h

9.608 ldp_common_header Struct Reference

Public Attributes

- u_int8_t **version** [2]
- u_int8_t **pdu_length** [2]
- u_int8_t **lsr_id** [4]
- u_int8_t **label_space** [2]

9.608.1 Detailed Description

Definition at line 55 of file print-ldp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-ldp.c

9.609 ldp_msg_header Struct Reference

Public Attributes

- u_int8_t **type** [2]
- u_int8_t **length** [2]
- u_int8_t **id** [4]

9.609.1 Detailed Description

Definition at line 88 of file print-ldp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-ldp.c

9.610 lecdatahdr_8023 Struct Reference

Public Attributes

- u_int16_t **le_header**
- u_int8_t **h_dest** [ETHER_ADDR_LEN]
- u_int8_t **h_source** [ETHER_ADDR_LEN]
- u_int16_t **h_type**

9.610.1 Detailed Description

Definition at line 29 of file lane.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/lane.h

9.611 license_key Struct Reference

Public Attributes

- u32 **reserved** [6]
- u32 **reserved_a** [6]

9.611.1 Detailed Description

Definition at line 10 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

---

9.612 link_params Struct Reference

Public Attributes

- u8 **port**
- u8 **loopback_mode**
- u16 **req_duplex**
- u16 **req_flow_ctrl**
- u16 **req_fc_auto_adv**
- u16 **req_line_speed**
- u8 **mac_addr** [6]
- u32 **shmem_base**
- u32 **speed_cap_mask**
- u32 **switch_cfg**
- u16 **hw_led_mode**
- u8 **phy_addr**
- u32 **lane_config**
- u32 **ext_phy_config**
- u32 **chip_id**
- u16 **xgxs_config_rx** [4]
- u16 **xgxs_config_tx** [4]
- u32 **feature_config_flags**
- struct bnx2x ∗ **bp**

9.612.1 Detailed Description

Definition at line 53 of file bnx2x_link.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-link.h

9.613 link_vars Struct Reference

Public Attributes

- u8 **phy_flags**
- u8 **mac_type**
- u8 **phy_link_up**
- u8 **link_up**
- u16 **line_speed**
- u16 **duplex**
- u16 **flow_ctrl**
- u16 **ieee_fc**
- u32 **autoneg**
- u32 **link_status**

9.613.1 Detailed Description

Definition at line 116 of file bnx2x_link.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-link.h

9.614 linknamelist Struct Reference

Public Attributes

- char **linkname** [DLPI_LINKNAME_MAX]
- struct linknamelist ∗ **lnl_next**

9.614.1 Detailed Description

Definition at line 64 of file pcap-libdlpi.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap-libdlpi.c

9.615 linkwalk Struct Reference

Public Attributes

- linknamelist_t ∗ **lw_list**
- int **lw_err**

9.615.1 Detailed Description

Definition at line 69 of file pcap-libdlpi.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap-libdlpi.c

9.616 lmp_common_header Struct Reference

Public Attributes

- u_int8_t **version_res** [2]

- u_int8_t **flags**
- u_int8_t **msg_type**
- u_int8_t **length** [2]
- u_int8_t **reserved** [2]

9.616.1 Detailed Description

Definition at line 52 of file print-lmp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-lmp.c

9.617 lmp_object_header Struct Reference

Public Attributes

- u_int8_t **ctype**
- u_int8_t **class_num**
- u_int8_t **length** [2]

9.617.1 Detailed Description

Definition at line 222 of file print-lmp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-lmp.c

9.618 longhdr Struct Reference

Public Attributes

- byte **lg_flags**
- byte **lg_darea**
- byte **lg_dsarea**
- [etheraddr](#) **lg_dst**
- byte **lg_sarea**
- byte **lg_ssarea**
- [etheraddr](#) **lg_src**
- byte **lg_nextl2**
- byte **lg_visits**
- byte **lg_service**
- byte **lg_pt**

9.618.1 Detailed Description

Definition at line 72 of file decnet.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/decnet.h

9.619 lsa Struct Reference

Public Attributes

- struct lsa_hdr **ls_hdr**
- union {
    struct {
      u_int8_t **rla_flags**
      u_int8_t **rla_zero** [1]
      u_int16_t **rla_count**
      struct **rlalink** {
        struct in_addr **link_id**
        struct in_addr **link_data**
        union un_tos **un_tos**
      } **rla_link** [1]
    } **un_rla**
    struct {
      struct in_addr **nla_mask**
      struct in_addr **nla_router** [1]
    } **un_nla**
    struct {
      struct in_addr **sla_mask**
      u_int32_t **sla_tosmetric** [1]
    } **un_sla**
    struct {
      struct in_addr **asla_mask**
      struct **aslametric** {
        u_int32_t **asla_tosmetric**
        struct in_addr **asla_forward**
        struct in_addr **asla_tag**
      } **asla_metric** [1]
    } **un_asla**
    struct **mcla** {
      u_int32_t **mcla_vtype**
      struct in_addr **mcla_vid**
    } **un_mcla** [1]
    struct {
      u_int16_t **type**
      u_int16_t **length**
      u_int8_t **data** [1]

```
    } un_te_lsa_tlv
    struct {
      u_int16_t type
      u_int16_t length
      u_int8_t data [1]
    } un_grace_tlv
    struct {
      u_int16_t type
      u_int16_t length
      u_int8_t data [1]
    } un_ri_tlv
    struct unknown {
      u_int8_t data [1]
    } un_unknown [1]
  } lsa_un
```

9.619.1   Detailed Description

Definition at line 183 of file ospf.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ospf.h

9.620   lsa6 Struct Reference

Public Attributes

- struct lsa6_hdr **ls_hdr**
- union {
  ```
    struct {
      union {
        u_int8_t flg
        u_int32_t opt
      } rla_flgandopt
      struct rlalink6 {
        u_int8_t link_type
        u_int8_t link_zero [1]
        u_int16_t link_metric
        u_int32_t link_ifid
        u_int32_t link_nifid
        rtrid_t link_nrtid
      } rla_link [1]
    } un_rla
    struct {
      u_int32_t nla_options
  ```

```
      rtrid_t nla_router [1]
    } un_nla
    struct {
      u_int32_t inter_ap_metric
      struct lsa6_prefix inter_ap_prefix [1]
    } un_inter_ap
    struct {
      u_int32_t asla_metric
      struct lsa6_prefix asla_prefix [1]
    } un_asla
    struct llsa {
      union {
        u_int8_t pri
        u_int32_t opt
      } llsa_priandopt
      struct in6_addr llsa_lladdr
      u_int32_t llsa_nprefix
      struct lsa6_prefix llsa_prefix [1]
    } un_llsa
    struct {
      u_int16_t intra_ap_nprefix
      u_int16_t intra_ap_lstype
      rtrid_t intra_ap_lsid
      rtrid_t intra_ap_rtid
      struct lsa6_prefix intra_ap_prefix [1]
    } un_intra_ap
  } lsa_un
```

9.620.1 Detailed Description

Definition at line 114 of file ospf6.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ospf6.h

9.621 lsa6_hdr Struct Reference

Public Attributes

- u_int16_t **ls_age**
- u_int16_t **ls_type**
- rtrid_t **ls_stateid**
- rtrid_t **ls_router**
- u_int32_t **ls_seq**
- u_int16_t **ls_chksum**
- u_int16_t **ls_length**

9.621.1 Detailed Description

Definition at line 96 of file ospf6.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ospf6.h

9.622 lsa6_prefix Struct Reference

Public Attributes

- u_int8_t **lsa_p_len**
- u_int8_t **lsa_p_opt**
- u_int16_t **lsa_p_metric**
- u_int8_t **lsa_p_prefix** [4]

9.622.1 Detailed Description

Definition at line 106 of file ospf6.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ospf6.h

9.623 lsa_hdr Struct Reference

Public Attributes

- u_int16_t **ls_age**
- u_int8_t **ls_options**
- u_int8_t **ls_type**
- union {
    struct in_addr **lsa_id**
    struct {
      u_int8_t **opaque_type**
      u_int8_t **opaque_id** [3]
    } **opaque_field**
  } **un_lsa_id**

- struct in_addr **ls_router**
- u_int32_t **ls_seq**
- u_int16_t **ls_chksum**
- u_int16_t **ls_length**

9.623.1   Detailed Description

Definition at line 165 of file ospf.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ospf.h

9.624   lsmsg Struct Reference

Public Attributes

- byte **ls_lsflags**
- byte **ls_fcval**

9.624.1   Detailed Description

Definition at line 387 of file decnet.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/decnet.h

9.625   lspping_common_header Struct Reference

Public Attributes

- u_int8_t **version** [2]
- u_int8_t **reserved** [2]
- u_int8_t **msg_type**
- u_int8_t **reply_mode**
- u_int8_t **return_code**
- u_int8_t **return_subcode**
- u_int8_t **sender_handle** [4]
- u_int8_t **seq_number** [4]
- u_int8_t **ts_sent_sec** [4]
- u_int8_t **ts_sent_usec** [4]
- u_int8_t **ts_rcvd_sec** [4]
- u_int8_t **ts_rcvd_usec** [4]

9.625.1   Detailed Description

Definition at line 67 of file print-lspping.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-lspping.c

9.626 lspping_tlv_downstream_map_info_t Struct Reference

Public Attributes

- u_int8_t **hash_key_type**
- u_int8_t **depth_limit**
- u_int8_t **multipath_length** [2]

9.626.1 Detailed Description

Definition at line 451 of file print-lspping.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-lspping.c

9.627 lspping_tlv_downstream_map_ipv4_t Struct Reference

Public Attributes

- u_int8_t **mtu** [2]
- u_int8_t **address_type**
- u_int8_t **res**
- u_int8_t **downstream_ip** [4]
- u_int8_t **downstream_interface** [4]

9.627.1 Detailed Description

Definition at line 435 of file print-lspping.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-lspping.c

9.628 lspping_tlv_downstream_map_ipv6_t Struct Reference

Public Attributes

- u_int8_t **mtu** [2]
- u_int8_t **address_type**
- u_int8_t **res**
- u_int8_t **downstream_ip** [16]
- u_int8_t **downstream_interface** [16]

9.628.1 Detailed Description

Definition at line 443 of file print-lspping.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-lspping.c

9.629 lspping_tlv_header Struct Reference

Public Attributes

- u_int8_t **type** [2]
- u_int8_t **length** [2]

9.629.1 Detailed Description

Definition at line 130 of file print-lspping.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-lspping.c

9.630 lspping_tlv_targetfec_subtlv_bgp_ipv4_t Struct Reference

Public Attributes

- u_int8_t **sender_id** [4]
- u_int8_t **prefix** [4]
- u_int8_t **prefix_len**

9.630.1 Detailed Description

Definition at line 229 of file print-lspping.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-lspping.c

9.631 lspping_tlv_targetfec_subtlv_bgp_ipv6_t Struct Reference

Public Attributes

- u_int8_t **sender_id** [16]
- u_int8_t **prefix** [16]
- u_int8_t **prefix_len**

9.631.1 Detailed Description

Definition at line 251 of file print-lspping.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-lspping.c

9.632 lspping_tlv_targetfec_subtlv_l2vpn_endpt_t Struct Reference

Public Attributes

- u_int8_t **rd** [8]
- u_int8_t **sender_ce_id** [2]
- u_int8_t **receiver_ce_id** [2]
- u_int8_t **encapsulation** [2]

9.632.1 Detailed Description

Definition at line 368 of file print-lspping.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-lspping.c

9.633 lspping_tlv_targetfec_subtlv_l2vpn_vcid_old_t Struct Reference

Public Attributes

- u_int8_t **remote_pe_address** [4]
- u_int8_t **vc_id** [4]
- u_int8_t **encapsulation** [2]

9.633.1 Detailed Description

Definition at line 385 of file print-lspping.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-lspping.c

9.634 lspping_tlv_targetfec_subtlv_l2vpn_vcid_t Struct Reference

Public Attributes

- u_int8_t **sender_pe_address** [4]
- u_int8_t **remote_pe_address** [4]
- u_int8_t **vc_id** [4]
- u_int8_t **encapsulation** [2]

9.634.1 Detailed Description

Definition at line 403 of file print-lspping.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-lspping.c

9.635 lspping_tlv_targetfec_subtlv_l3vpn_ipv4_t Struct Reference

Public Attributes

- u_int8_t **rd** [8]
- u_int8_t **prefix** [4]
- u_int8_t **prefix_len**

9.635.1 Detailed Description

Definition at line 328 of file print-lspping.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-lspping.c

9.636 lspping_tlv_targetfec_subtlv_l3vpn_ipv6_t Struct Reference

Public Attributes

- u_int8_t **rd** [8]
- u_int8_t **prefix** [16]
- u_int8_t **prefix_len**

9.636.1 Detailed Description

Definition at line 349 of file print-lspping.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-lspping.c

9.637 lspping_tlv_targetfec_subtlv_ldp_ipv4_t Struct Reference

Public Attributes

- u_int8_t **prefix** [4]
- u_int8_t **prefix_len**

9.637.1 Detailed Description

Definition at line 197 of file print-lspping.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-lspping.c

9.638 lspping_tlv_targetfec_subtlv_ldp_ipv6_t Struct Reference

Public Attributes

- u_int8_t **prefix** [16]
- u_int8_t **prefix_len**

9.638.1 Detailed Description

Definition at line 214 of file print-lspping.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-lspping.c

9.639 lspping_tlv_targetfec_subtlv_rsvp_ipv4_t Struct Reference

Public Attributes

- u_int8_t **tunnel_endpoint** [4]
- u_int8_t **res** [2]
- u_int8_t **tunnel_id** [2]
- u_int8_t **extended_tunnel_id** [4]
- u_int8_t **tunnel_sender** [4]
- u_int8_t **res2** [2]
- u_int8_t **lsp_id** [2]

9.639.1 Detailed Description

Definition at line 272 of file print-lspping.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-lspping.c

9.640 lspping_tlv_targetfec_subtlv_rsvp_ipv6_t Struct Reference

Public Attributes

- u_int8_t **tunnel_endpoint** [16]

- u_int8_t **res** [2]
- u_int8_t **tunnel_id** [2]
- u_int8_t **extended_tunnel_id** [16]
- u_int8_t **tunnel_sender** [16]
- u_int8_t **res2** [2]
- u_int8_t **lsp_id** [2]

9.640.1 Detailed Description

Definition at line 306 of file print-lspping.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-lspping.c

9.641 lwapp_control_header Struct Reference

Public Attributes

- u_int8_t **msg_type**
- u_int8_t **seq_num**
- u_int8_t **len** [2]
- u_int8_t **session_id** [4]

9.641.1 Detailed Description

Definition at line 71 of file print-lwapp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-lwapp.c

9.642 lwapp_message_header Struct Reference

Public Attributes

- u_int8_t **type**
- u_int8_t **length** [2]

9.642.1 Detailed Description

Definition at line 166 of file print-lwapp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-lwapp.c

9.643 lwapp_transport_header Struct Reference

Public Attributes

- u_int8_t **version**
- u_int8_t **frag_id**
- u_int8_t **length** [2]
- u_int16_t **status**

9.643.1 Detailed Description

Definition at line 51 of file print-lwapp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-lwapp.c

9.644 lwres_addr Struct Reference

Public Attributes

- lwres_uint32_t **family**
- lwres_uint16_t **length**

9.644.1 Detailed Description

Definition at line 98 of file print-lwres.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-lwres.c

9.645 lwres_gabnrequest_t Struct Reference

Public Attributes

- lwres_uint32_t **flags**
- lwres_uint32_t **addrtypes**
- lwres_uint16_t **namelen**

9.645.1 Detailed Description

Definition at line 104 of file print-lwres.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-lwres.c

9.646 lwres_gabnresponse_t Struct Reference

Public Attributes

- lwres_uint32_t **flags**
- lwres_uint16_t **naliases**
- lwres_uint16_t **naddrs**
- lwres_uint16_t **realnamelen**

9.646.1 Detailed Description

Definition at line 112 of file print-lwres.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-lwres.c

9.647 lwres_gnbarequest_t Struct Reference

Public Attributes

- lwres_uint32_t **flags**
- lwres_addr_t **addr**

9.647.1 Detailed Description

Definition at line 127 of file print-lwres.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-lwres.c

9.648 lwres_gnbaresponse_t Struct Reference

Public Attributes

- lwres_uint32_t **flags**

- lwres_uint16_t **naliases**
- lwres_uint16_t **realnamelen**

9.648.1 Detailed Description

Definition at line 134 of file print-lwres.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-lwres.c

9.649 lwres_grbnrequest_t Struct Reference

Public Attributes

- lwres_uint32_t **flags**
- lwres_uint16_t **rdclass**
- lwres_uint16_t **rdtype**
- lwres_uint16_t **namelen**

9.649.1 Detailed Description

Definition at line 148 of file print-lwres.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-lwres.c

9.650 lwres_grbnresponse_t Struct Reference

Public Attributes

- lwres_uint32_t **flags**
- lwres_uint16_t **rdclass**
- lwres_uint16_t **rdtype**
- lwres_uint32_t **ttl**
- lwres_uint16_t **nrdatas**
- lwres_uint16_t **nsigs**

9.650.1 Detailed Description

Definition at line 157 of file print-lwres.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-lwres.c

9.651   lwres_lwpacket Struct Reference

Public Attributes

- lwres_uint32_t **length**
- lwres_uint16_t **version**
- lwres_uint16_t **pktflags**
- lwres_uint32_t **serial**
- lwres_uint32_t **opcode**
- lwres_uint32_t **result**
- lwres_uint32_t **recvlength**
- lwres_uint16_t **authtype**
- lwres_uint16_t **authlength**

9.651.1   Detailed Description

Definition at line 55 of file print-lwres.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-lwres.c

9.652   lwres_nooprequest_t Struct Reference

Public Attributes

- lwres_uint16_t **datalength**

9.652.1   Detailed Description

Definition at line 79 of file print-lwres.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-lwres.c

9.653   lwres_noopresponse_t Struct Reference

Public Attributes

- lwres_uint16_t **datalength**

9.653.1   Detailed Description

Definition at line 85 of file print-lwres.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-lwres.c

9.654   mac_configuration_cmd Struct Reference

Public Attributes

- struct mac_configuration_hdr **hdr**
- struct mac_configuration_entry **config_table** [64]

9.654.1   Detailed Description

Definition at line 2731 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.655   mac_configuration_cmd_e1h Struct Reference

Public Attributes

- struct mac_configuration_hdr **hdr**
- struct mac_configuration_entry_e1h **config_table** [32]

9.655.1   Detailed Description

Definition at line 2762 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.656   mac_configuration_entry Struct Reference

Public Attributes

- struct tstorm_cam_entry **cam_entry**

- struct [tstorm_cam_target_table_entry](#) **target_table_entry**

9.656.1 Detailed Description

Definition at line 2723 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-
hsi.h

9.657 mac_configuration_entry_e1h Struct Reference

Public Attributes

- __le16 **lsb_mac_addr**
- __le16 **middle_mac_addr**
- __le16 **msb_mac_addr**
- __le16 **vlan_id**
- __le16 **e1hov_id**
- u8 **reserved0**
- u8 **flags**
- u32 **clients_bit_vector**

9.657.1 Detailed Description

Definition at line 2740 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-
hsi.h

9.658 mac_configuration_hdr Struct Reference

Public Attributes

- u8 **length**
- u8 **offset**
- u16 **client_id**
- u32 **reserved1**

9.658.1 Detailed Description

Definition at line 2677 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.659 mac_stats Union Reference

Public Attributes

- struct emac_stats **emac_stats**
- struct bmac_stats **bmac_stats**

9.659.1 Detailed Description

Definition at line 1151 of file bnx2x_hsi.h.

The documentation for this union was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.660 mac_stx Struct Reference

Public Attributes

- u32 **rx_stat_ifhcinbadoctets_hi**
- u32 **rx_stat_ifhcinbadoctets_lo**
- u32 **tx_stat_ifhcoutbadoctets_hi**
- u32 **tx_stat_ifhcoutbadoctets_lo**
- u32 **rx_stat_dot3statsfcserrors_hi**
- u32 **rx_stat_dot3statsfcserrors_lo**
- u32 **rx_stat_dot3statsalignmenterrors_hi**
- u32 **rx_stat_dot3statsalignmenterrors_lo**
- u32 **rx_stat_dot3statscarriersenseerrors_hi**
- u32 **rx_stat_dot3statscarriersenseerrors_lo**
- u32 **rx_stat_falsecarriererrors_hi**
- u32 **rx_stat_falsecarriererrors_lo**
- u32 **rx_stat_etherstatsundersizepkts_hi**
- u32 **rx_stat_etherstatsundersizepkts_lo**
- u32 **rx_stat_dot3statsframestoolong_hi**
- u32 **rx_stat_dot3statsframestoolong_lo**

- u32 **rx_stat_etherstatsfragments_hi**
- u32 **rx_stat_etherstatsfragments_lo**
- u32 **rx_stat_etherstatsjabbers_hi**
- u32 **rx_stat_etherstatsjabbers_lo**
- u32 **rx_stat_maccontrolframesreceived_hi**
- u32 **rx_stat_maccontrolframesreceived_lo**
- u32 **rx_stat_bmac_xpf_hi**
- u32 **rx_stat_bmac_xpf_lo**
- u32 **rx_stat_bmac_xcf_hi**
- u32 **rx_stat_bmac_xcf_lo**
- u32 **rx_stat_xoffstateentered_hi**
- u32 **rx_stat_xoffstateentered_lo**
- u32 **rx_stat_xonpauseframesreceived_hi**
- u32 **rx_stat_xonpauseframesreceived_lo**
- u32 **rx_stat_xoffpauseframesreceived_hi**
- u32 **rx_stat_xoffpauseframesreceived_lo**
- u32 **tx_stat_outxonsent_hi**
- u32 **tx_stat_outxonsent_lo**
- u32 **tx_stat_outxoffsent_hi**
- u32 **tx_stat_outxoffsent_lo**
- u32 **tx_stat_flowcontroldone_hi**
- u32 **tx_stat_flowcontroldone_lo**
- u32 **tx_stat_etherstatscollisions_hi**
- u32 **tx_stat_etherstatscollisions_lo**
- u32 **tx_stat_dot3statssinglecollisionframes_hi**
- u32 **tx_stat_dot3statssinglecollisionframes_lo**
- u32 **tx_stat_dot3statsmultiplecollisionframes_hi**
- u32 **tx_stat_dot3statsmultiplecollisionframes_lo**
- u32 **tx_stat_dot3statsdeferredtransmissions_hi**
- u32 **tx_stat_dot3statsdeferredtransmissions_lo**
- u32 **tx_stat_dot3statsexcessivecollisions_hi**
- u32 **tx_stat_dot3statsexcessivecollisions_lo**
- u32 **tx_stat_dot3statslatecollisions_hi**
- u32 **tx_stat_dot3statslatecollisions_lo**
- u32 **tx_stat_etherstatspkts64octets_hi**
- u32 **tx_stat_etherstatspkts64octets_lo**
- u32 **tx_stat_etherstatspkts65octetsto127octets_hi**
- u32 **tx_stat_etherstatspkts65octetsto127octets_lo**
- u32 **tx_stat_etherstatspkts128octetsto255octets_hi**
- u32 **tx_stat_etherstatspkts128octetsto255octets_lo**
- u32 **tx_stat_etherstatspkts256octetsto511octets_hi**
- u32 **tx_stat_etherstatspkts256octetsto511octets_lo**
- u32 **tx_stat_etherstatspkts512octetsto1023octets_hi**
- u32 **tx_stat_etherstatspkts512octetsto1023octets_lo**
- u32 **tx_stat_etherstatspkts1024octetsto1522octets_hi**
- u32 **tx_stat_etherstatspkts1024octetsto1522octets_lo**

- u32 **tx_stat_etherstatspktsover1522octets_hi**
- u32 **tx_stat_etherstatspktsover1522octets_lo**
- u32 **tx_stat_bmac_2047_hi**
- u32 **tx_stat_bmac_2047_lo**
- u32 **tx_stat_bmac_4095_hi**
- u32 **tx_stat_bmac_4095_lo**
- u32 **tx_stat_bmac_9216_hi**
- u32 **tx_stat_bmac_9216_lo**
- u32 **tx_stat_bmac_16383_hi**
- u32 **tx_stat_bmac_16383_lo**
- u32 **tx_stat_dot3statsinternalmactransmiterrors_hi**
- u32 **tx_stat_dot3statsinternalmactransmiterrors_lo**
- u32 **tx_stat_bmac_ufl_hi**
- u32 **tx_stat_bmac_ufl_lo**

9.660.1 Detailed Description

Definition at line 1157 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.661   marker_tlv_marker_info_t Struct Reference

Public Attributes

- u_int8_t **req_port** [2]
- u_int8_t **req_sys** [ETHER_ADDR_LEN]
- u_int8_t **req_trans_id** [4]
- u_int8_t **pad** [2]

9.661.1 Detailed Description

Definition at line 242 of file print-slow.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-slow.c

9.662 mcp_cmd Struct Reference

Public Attributes

- uint32_t **cmd**
- uint32_t **data0**
- uint32_t **data1**
- uint32_t **data2**
- struct [mcp_dma_addr](#) **response_addr**
- uint8_t **pad** [40]

9.662.1 Detailed Description

Definition at line 54 of file myri10ge_mcp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/myricom/myri10ge-linux.1.5.1/firmware/myri10ge_-mcp.h

9.663 mcp_cmd_response Struct Reference

Public Attributes

- uint32_t **data**
- uint32_t **result**

9.663.1 Detailed Description

Definition at line 68 of file myri10ge_mcp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/myricom/myri10ge-linux.1.5.1/firmware/myri10ge_-mcp.h

9.664 mcp_dma_addr Struct Reference

Public Attributes

- uint32_t **high**
- uint32_t **low**

9.664.1   Detailed Description

Definition at line 21 of file myri10ge_mcp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/myricom/myri10ge-linux.1.5.1/firmware/myri10ge_-
  mcp.h

9.665   mcp_gen_header Struct Reference

Public Attributes

- unsigned **header_length**
- unsigned **mcp_type**
- char **version** [128]
- unsigned **mcp_private**
- unsigned **sram_size**
- unsigned **string_specs**
- unsigned **string_specs_len**
- unsigned char **mcp_index**
- unsigned char **disable_rabbit**
- unsigned char **unaligned_tlp**
- unsigned char **pcie_link_algo**
- unsigned **counters_addr**
- unsigned **copy_block_info**
- unsigned short **handoff_id_major**
- unsigned short **handoff_id_caps**
- unsigned **msix_table_addr**
- unsigned **bss_addr**
- unsigned **features**
- unsigned **ee_hdr_addr**

9.665.1   Detailed Description

Definition at line 49 of file mcp_gen_header.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/myricom/myri10ge-linux.1.5.1/firmware/mcp_gen_-
  header.h

9.666 mcp_irq_data Struct Reference

Public Attributes

- uint32_t **future_use** [1]
- uint32_t **dropped_pause**
- uint32_t **dropped_unicast_filtered**
- uint32_t **dropped_bad_crc32**
- uint32_t **dropped_bad_phy**
- uint32_t **dropped_multicast_filtered**
- uint32_t **send_done_count**
- uint32_t **link_up**
- uint32_t **dropped_link_overflow**
- uint32_t **dropped_link_error_or_filtered**
- uint32_t **dropped_runt**
- uint32_t **dropped_overrun**
- uint32_t **dropped_no_small_buffer**
- uint32_t **dropped_no_big_buffer**
- uint32_t **rdma_tags_available**
- uint8_t **tx_stopped**
- uint8_t **link_down**
- uint8_t **stats_updated**
- uint8_t **valid**

9.666.1 Detailed Description

Definition at line 448 of file myri10ge_mcp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/myricom/myri10ge-linux.1.5.1/firmware/myri10ge_-mcp.h

9.667 mcp_kreq_ether_recv Struct Reference

Public Attributes

- uint32_t **addr_high**
- uint32_t **addr_low**

9.667.1 Detailed Description

Definition at line 128 of file myri10ge_mcp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/myricom/myri10ge-linux.1.5.1/firmware/myri10ge_-mcp.h

9.668 mcp_kreq_ether_send Struct Reference

Public Attributes

- uint32_t **addr_high**
- uint32_t **addr_low**
- uint16_t **pseudo_hdr_offset**
- uint16_t **length**
- uint8_t **pad**
- uint8_t **rdma_count**
- uint8_t **cksum_offset**
- uint8_t **flags**

9.668.1 Detailed Description

Definition at line 115 of file myri10ge_mcp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/myricom/myri10ge-linux.1.5.1/firmware/myri10ge_-mcp.h

9.669 mcp_pso_or_cumlen Union Reference

Public Attributes

- uint16_t **pseudo_hdr_offset**
- uint16_t **cum_len**

9.669.1 Detailed Description

Definition at line 105 of file myri10ge_mcp.h.

The documentation for this union was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/myricom/myri10ge-linux.1.5.1/firmware/myri10ge_-mcp.h

9.670 mcp_slot Struct Reference

Public Attributes

- uint16_t **checksum**
- uint16_t **length**

9.670.1 Detailed Description

Definition at line 28 of file myri10ge_mcp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/myricom/myri10ge-linux.1.5.1/firmware/myri10ge_-mcp.h

9.671 mdio_if_info Struct Reference

```
#include <bnx2x_compat.h>
```

Public Attributes

- int **prtad**
- u32 __bitwise **mmds**
- unsigned **mode_support**
- struct net_device ∗ **dev**
- int(∗ **mdio_read**)(struct net_device ∗dev, int prtad, int devad, u16 addr)
- int(∗ **mdio_write**)(struct net_device ∗dev, int prtad, int devad, u16 addr, u16 val)

9.671.1 Detailed Description

struct mdio_if_info - Ethernet controller MDIO interface : PRTAD of the PHY (MDIO_-PRTAD_NONE if not present/unknown) : Mask of MMDs expected to be present in the PHY. This must be non-zero unless = MDIO_PRTAD_NONE. : MDIO modes supported. If MDIO_SUPPORTS_C22 is set then MII register access will be passed through with = MDIO_DEVAD_NONE. If MDIO_EMULATE_C22 is set then access to commonly used clause 22 registers will be translated into clause 45 registers. : Net device structure : Register read function; returns value or negative error code : Register write function; returns 0 or negative error code

Definition at line 480 of file bnx2x_compat.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-compat.h

9.672   meshcntl_t Struct Reference

Public Attributes

- u_int8_t **flags**
- u_int8_t **ttl**
- u_int8_t **seq** [4]
- u_int8_t **addr4** [6]
- u_int8_t **addr5** [6]
- u_int8_t **addr6** [6]

9.672.1   Detailed Description

Definition at line 336 of file ieee802_11.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ieee802_11.h

9.673   mf_cfg Struct Reference

Public Attributes

- struct shared_mf_cfg **shared_mf_config**
- struct port_mf_cfg **port_mf_config** [PORT_MAX]
- struct func_mf_cfg **func_mf_config** [E1H_FUNC_MAX]

9.673.1   Detailed Description

Definition at line 921 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.674   mgmt_body_t Struct Reference

Public Attributes

- u_int8_t **timestamp** [IEEE802_11_TSTAMP_LEN]
- u_int16_t **beacon_interval**
- u_int16_t **listen_interval**
- u_int16_t **status_code**

- u_int16_t **aid**
- u_char **ap** [IEEE802_11_AP_LEN]
- u_int16_t **reason_code**
- u_int16_t **auth_alg**
- u_int16_t **auth_trans_seq_num**
- int **challenge_present**
- struct challenge_t **challenge**
- u_int16_t **capability_info**
- int **ssid_present**
- struct ssid_t **ssid**
- int **rates_present**
- struct rates_t **rates**
- int **ds_present**
- struct ds_t **ds**
- int **cf_present**
- struct cf_t **cf**
- int **fh_present**
- struct fh_t **fh**
- int **tim_present**
- struct tim_t **tim**

9.674.1 Detailed Description

Definition at line 224 of file ieee802_11.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ieee802_11.h

9.675 mgmt_header_t Struct Reference

Public Attributes

- u_int16_t **fc**
- u_int16_t **duration**
- u_int8_t **da** [6]
- u_int8_t **sa** [6]
- u_int8_t **bssid** [6]
- u_int16_t **seq_ctrl**

9.675.1 Detailed Description

Definition at line 128 of file ieee802_11.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ieee802_11.h

9.676 mgmtfw_state Struct Reference

Public Attributes

- u32 **opaque** [MGMTFW_STATE_WORD_SIZE]

9.676.1 Detailed Description

Definition at line 844 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.677 minackmsg Struct Reference

Public Attributes

- byte **mk_flags**
- word **mk_dst**
- word **mk_src**
- word **mk_acknum**

9.677.1 Detailed Description

Definition at line 401 of file decnet.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/decnet.h

9.678 minseghdr Struct Reference

Public Attributes

- byte **ms_flags**
- word **ms_dst**
- word **ms_src**
- word **ms_seq**

9.678.1 Detailed Description

Definition at line 379 of file decnet.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/decnet.h

9.679   mld6_hdr Struct Reference

Public Attributes

- struct icmp6_hdr **mld6_hdr**
- struct in6_addr **mld6_addr**

9.679.1 Detailed Description

Definition at line 170 of file icmp6.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/icmp6.h

9.680   mobile_ip Struct Reference

Public Attributes

- u_int16_t **proto**
- u_int16_t **hcheck**
- u_int32_t **odst**
- u_int32_t **osrc**

9.680.1 Detailed Description

Definition at line 58 of file print-mobile.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-mobile.c

9.681   mon_bin_get Struct Reference

Public Attributes

- pcap_usb_header ∗ **hdr**

- void ∗ **data**
- size_t **data_len**

9.681.1   Detailed Description

Definition at line 89 of file pcap-usb-linux.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap-usb-linux.c

9.682   mon_bin_mfetch Struct Reference

Public Attributes

- int32_t ∗ **offvec**
- int32_t **nfetch**
- int32_t **nflush**

9.682.1   Detailed Description

Definition at line 95 of file pcap-usb-linux.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap-usb-linux.c

9.683   mon_bin_stats Struct Reference

Public Attributes

- u_int32_t **queued**
- u_int32_t **dropped**

9.683.1   Detailed Description

Definition at line 84 of file pcap-usb-linux.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap-usb-linux.c

9.684 mpcp_common_header_t Struct Reference

Public Attributes

- u_int8_t **opcode** [2]
- u_int8_t **timestamp** [MPCP_TIMESTAMP_LEN]

9.684.1 Detailed Description

Definition at line 43 of file print-mpcp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-mpcp.c

9.685 mpcp_grant_t Struct Reference

Public Attributes

- u_int8_t **starttime** [MPCP_TIMESTAMP_LEN]
- u_int8_t **duration** [MPCP_TIMESTAMP_DURATION_LEN]

9.685.1 Detailed Description

Definition at line 76 of file print-mpcp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-mpcp.c

9.686 mpcp_reg_ack_t Struct Reference

Public Attributes

- u_int8_t **flags**
- u_int8_t **echoed_assigned_port** [2]
- u_int8_t **echoed_sync_time** [MPCP_TIMESTAMP_DURATION_LEN]

9.686.1 Detailed Description

Definition at line 122 of file print-mpcp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-mpcp.c

9.687   mpcp_reg_req_t Struct Reference

Public Attributes

- u_int8_t **flags**
- u_int8_t **pending_grants**

9.687.1   Detailed Description

Definition at line 81 of file print-mpcp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-mpcp.c

9.688   mpcp_reg_t Struct Reference

Public Attributes

- u_int8_t **assigned_port** [2]
- u_int8_t **flags**
- u_int8_t **sync_time** [MPCP_TIMESTAMP_DURATION_LEN]
- u_int8_t **echoed_pending_grants**

9.688.1   Detailed Description

Definition at line 93 of file print-mpcp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-mpcp.c

9.689   mtu_discovery Struct Reference

Public Attributes

- u_int16_t **unused**
- u_int16_t **nexthopmtu**

9.689.1   Detailed Description

Definition at line 247 of file print-icmp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-icmp.c

9.690   my_devt Struct Reference

Public Attributes

- u_int32_t **Minor**
- u_int32_t **Major**

9.690.1   Detailed Description

Definition at line 48 of file nfsfh.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/nfsfh.h

9.691   my_fsid Struct Reference

Public Attributes

- my_devt **Fsid_dev**
- char **Opaque_Handle** [2 ∗32+1]
- u_int32_t **fsid_code**

9.691.1   Detailed Description

Definition at line 59 of file nfsfh.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/nfsfh.h

9.692   my_thread_t Struct Reference

Public Attributes

- pthread_t **tid**
- pfring ∗ **ring**
- unsigned long **maxcount**
- unsigned long **partial**
- unsigned long **errors**
- int **snapshot**

- int **bar**
- struct timeval **started**
- struct timeval **stopped**
- double **elapsed**

9.692.1 Detailed Description

Definition at line 110 of file ringm.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/examples/ringm.c

9.693 myri10ge_adapt_intr_coal Struct Reference

Public Attributes

- int **enabled**
- int **usecs**
- int **big_usecs**
- unsigned long **old_tx_bytes**
- unsigned long **old_rx_bytes**
- struct timer_list **timer**

9.693.1 Detailed Description

Definition at line 286 of file myri10ge.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/myricom/myri10ge-linux.1.5.1/linux/myri10ge.c

9.694 myri10ge_cmd Struct Reference

Public Attributes

- u32 **data0**
- u32 **data1**
- u32 **data2**

9.694.1 Detailed Description

Definition at line 199 of file myri10ge.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/myricom/myri10ge-linux.1.5.1/linux/myri10ge.c

9.695 myri10ge_priv Struct Reference

Public Attributes

- struct myri10ge_slice_state ∗ **ss**
- int **tx_boundary**
- int **num_slices**
- int **running**
- int **csum_flag**
- int **small_bytes**
- int **big_bytes**
- int **max_intr_slots**
- struct net_device ∗ **dev**
- struct net_device_stats **stats**
- spinlock_t **stats_lock**
- u8 __iomem ∗ **sram**
- int **sram_size**
- unsigned long **board_span**
- unsigned long **iomem_base**
- __be32 __iomem ∗ **irq_deassert**
- char ∗ **mac_addr_string**
- struct mcp_cmd_response ∗ **cmd**
- dma_addr_t **cmd_bus**
- struct pci_dev ∗ **pdev**
- int **msi_enabled**
- int **msix_enabled**
- struct msix_entry ∗ **msix_vectors**
- u32 **link_state**
- unsigned int **rdma_tags_available**
- int **intr_coal_delay**
- __be32 __iomem ∗ **intr_coal_delay_ptr**
- int **mtrr**
- int **wc_enabled**
- int **down_cnt**
- wait_queue_head_t **down_wq**
- struct work_struct **watchdog_work**
- struct timer_list **watchdog_timer**
- int **watchdog_resets**

- int **watchdog_pause**
- int **pause**
- char ∗ **fw_name**
- char **eeprom_strings** [MYRI10GE_EEPROM_STRINGS_SIZE]
- char ∗ **product_code_string**
- char **fw_version** [128]
- int **fw_ver_major**
- int **fw_ver_minor**
- int **fw_ver_tiny**
- int **adopted_rx_filter_bug**
- u8 **mac_addr** [6]
- unsigned long **serial_number**
- int **vendor_specific_offset**
- int **fw_multicast_support**
- unsigned long **features**
- u32 **max_tso6**
- struct [myri10ge_adapt_intr_coal](#) **adapt_coal**
- u32 **devctl**
- u32 **msi_addr_low**
- u32 **msi_addr_high**
- u16 **msi_data_32**
- u16 **msi_data_64**
- u16 **msi_flags**
- u32 **read_dma**
- u32 **write_dma**
- u32 **read_write_dma**
- u32 **link_changes**
- u32 **msg_enable**
- u32 ∗ **toeplitz_hash_table**
- u8 **rss_key** [32]
- struct work_struct **carrier_work**
- unsigned int **board_number**
- int **rebooted**

9.695.1 Detailed Description

Definition at line 296 of file myri10ge.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/myricom/myri10ge-linux.1.5.1/linux/myri10ge.c

9.696 myri10ge_rx_buf Struct Reference

Public Attributes

- struct mcp_kreq_ether_recv __iomem ∗ **lanai**
- struct mcp_kreq_ether_recv ∗ **shadow**
- struct myri10ge_rx_buffer_state ∗ **info**
- struct page ∗ **page**
- dma_addr_t **bus**
- int **page_offset**
- int **cnt**
- int **fill_cnt**
- int **alloc_fail**
- int **mask**
- int **watchdog_needed**

9.696.1 Detailed Description

Definition at line 205 of file myri10ge.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/myricom/myri10ge-linux.1.5.1/linux/myri10ge.c

9.697 myri10ge_rx_buffer_state Struct Reference

Public Attributes

- struct page ∗ **rx__page**
- int **rx__page_offset**

9.697.1 Detailed Description

Definition at line 171 of file myri10ge.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/myricom/myri10ge-linux.1.5.1/linux/myri10ge.c

9.698 myri10ge_rx_done Struct Reference

Public Attributes

- struct mcp_slot ∗ **entry**

- dma_addr_t **bus**
- int **cnt**
- int **idx**

9.698.1 Detailed Description

Definition at line 240 of file myri10ge.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/myricom/myri10ge-linux.1.5.1/linux/myri10ge.c

9.699   myri10ge_slice_netstats Struct Reference

Public Attributes

- unsigned long **rx_packets**
- unsigned long **tx_packets**
- unsigned long **rx_bytes**
- unsigned long **tx_bytes**
- unsigned long **rx_dropped**
- unsigned long **tx_dropped**

9.699.1 Detailed Description

Definition at line 251 of file myri10ge.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/myricom/myri10ge-linux.1.5.1/linux/myri10ge.c

9.700   myri10ge_slice_state Struct Reference

Public Attributes

- struct myri10ge_tx_buf **tx**
- struct myri10ge_rx_buf **rx_small**
- struct myri10ge_rx_buf **rx_big**
- struct myri10ge_rx_done **rx_done**
- struct net_device ∗ **dev**
- struct myri10ge_priv ∗ **mgp**
- struct myri10ge_slice_netstats **stats**
- __be32 __iomem ∗ **irq_claim**
- struct mcp_irq_data ∗ **fw_stats**

- dma_addr_t **fw_stats_bus**
- int **watchdog_tx_done**
- int **watchdog_tx_req**
- int **watchdog_rx_done**
- char **irq_desc** [32]

9.700.1 Detailed Description

Definition at line 260 of file myri10ge.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/myricom/myri10ge-linux.1.5.1/linux/myri10ge.c

9.701 myri10ge_tx_buf Struct Reference

Public Attributes

- struct [mcp_kreq_ether_send](#) __iomem ∗ **lanai**
- __be32 __iomem ∗ **send_go**
- __be32 __iomem ∗ **send_stop**
- struct [mcp_kreq_ether_send](#) ∗ **req_list**
- char ∗ **req_bytes**
- struct [myri10ge_tx_buffer_state](#) ∗ **info**
- int **mask**
- int req ____**cacheline_aligned**
- int **pkt_start**
- int **stop_queue**
- int **linearized**
- int done ____**cacheline_aligned**
- int **pkt_done**
- int **wake_queue**
- int **queue_active**

9.701.1 Detailed Description

Definition at line 222 of file myri10ge.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/myricom/myri10ge-linux.1.5.1/linux/myri10ge.c

9.702 myri10ge_tx_buffer_state Struct Reference

Public Attributes

- struct sk_buff ∗ **skb**
- int **last**

9.702.1 Detailed Description

Definition at line 192 of file myri10ge.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/myricom/myri10ge-linux.1.5.1/linux/myri10ge.c

9.703 nbf_strings Struct Reference

Public Attributes

- const char ∗ **name**
- const char ∗ **nonverbose**
- const char ∗ **verbose**

9.703.1 Detailed Description

Definition at line 1329 of file print-smb.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-smb.c

9.704 nd_neighbor_advert Struct Reference

Public Attributes

- struct icmp6_hdr **nd_na_hdr**
- struct in6_addr **nd_na_target**

9.704.1 Detailed Description

Definition at line 238 of file icmp6.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/icmp6.h

9.705 nd_neighbor_solicit Struct Reference

Public Attributes

- struct icmp6_hdr **nd_ns_hdr**
- struct in6_addr **nd_ns_target**

9.705.1 Detailed Description

Definition at line 227 of file icmp6.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/icmp6.h

9.706 nd_opt_advinterval Struct Reference

Public Attributes

- u_int8_t **nd_opt_adv_type**
- u_int8_t **nd_opt_adv_len**
- u_int16_t **nd_opt_adv_reserved**
- u_int32_t **nd_opt_adv_interval**

9.706.1 Detailed Description

Definition at line 319 of file icmp6.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/icmp6.h

9.707 nd_opt_hdr Struct Reference

Public Attributes

- u_int8_t **nd_opt_type**
- u_int8_t **nd_opt_len**

9.707.1 Detailed Description

Definition at line 265 of file icmp6.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/icmp6.h

9.708 nd_opt_homeagent_info Struct Reference

Public Attributes

- u_int8_t **nd_opt_hai_type**
- u_int8_t **nd_opt_hai_len**
- u_int16_t **nd_opt_hai_reserved**
- int16_t **nd_opt_hai_preference**
- u_int16_t **nd_opt_hai_lifetime**

9.708.1 Detailed Description

Definition at line 326 of file icmp6.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/icmp6.h

9.709 nd_opt_mtu Struct Reference

Public Attributes

- u_int8_t **nd_opt_mtu_type**
- u_int8_t **nd_opt_mtu_len**
- u_int16_t **nd_opt_mtu_reserved**
- u_int32_t **nd_opt_mtu_mtu**

9.709.1 Detailed Description

Definition at line 304 of file icmp6.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/icmp6.h

9.710 nd_opt_prefix_info Struct Reference

Public Attributes

- u_int8_t **nd_opt_pi_type**
- u_int8_t **nd_opt_pi_len**

- u_int8_t **nd_opt_pi_prefix_len**
- u_int8_t **nd_opt_pi_flags_reserved**
- u_int8_t **nd_opt_pi_valid_time** [4]
- u_int8_t **nd_opt_pi_preferred_time** [4]
- u_int8_t **nd_opt_pi_reserved2** [4]
- struct in6_addr **nd_opt_pi_prefix**

9.710.1 Detailed Description

Definition at line 281 of file icmp6.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/icmp6.h

9.711 nd_opt_rd_hdr Struct Reference

Public Attributes

- u_int8_t **nd_opt_rh_type**
- u_int8_t **nd_opt_rh_len**
- u_int16_t **nd_opt_rh_reserved1**
- u_int32_t **nd_opt_rh_reserved2**

9.711.1 Detailed Description

Definition at line 296 of file icmp6.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/icmp6.h

9.712 nd_opt_rdnss Struct Reference

Public Attributes

- u_int8_t **nd_opt_rdnss_type**
- u_int8_t **nd_opt_rdnss_len**
- u_int16_t **nd_opt_rdnss_reserved**
- u_int32_t **nd_opt_rdnss_lifetime**
- struct in6_addr **nd_opt_rdnss_addr** [1]

9.712.1 Detailed Description

Definition at line 311 of file icmp6.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/icmp6.h

9.713 nd_opt_route_info Struct Reference

Public Attributes

- u_int8_t **nd_opt_rti_type**
- u_int8_t **nd_opt_rti_len**
- u_int8_t **nd_opt_rti_prefixlen**
- u_int8_t **nd_opt_rti_flags**
- u_int32_t **nd_opt_rti_lifetime**

9.713.1 Detailed Description

Definition at line 334 of file icmp6.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/icmp6.h

9.714 nd_redirect Struct Reference

Public Attributes

- struct icmp6_hdr **nd_rd_hdr**
- struct in6_addr **nd_rd_target**
- struct in6_addr **nd_rd_dst**

9.714.1 Detailed Description

Definition at line 253 of file icmp6.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/icmp6.h

9.715   nd_router_advert Struct Reference

Public Attributes

- struct icmp6_hdr **nd_ra_hdr**
- u_int32_t **nd_ra_reachable**
- u_int32_t **nd_ra_retransmit**

9.715.1   Detailed Description

Definition at line 198 of file icmp6.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/icmp6.h

9.716   nd_router_solicit Struct Reference

Public Attributes

- struct icmp6_hdr **nd_rs_hdr**

9.716.1   Detailed Description

Definition at line 188 of file icmp6.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/icmp6.h

9.717   ndo_printer Struct Reference

Public Attributes

- if_ndo_printer **f**
- int **type**

9.717.1   Detailed Description

Definition at line 143 of file tcpdump.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/tcpdump.c

9.718   net_device_stats Struct Reference

Public Attributes

- DWORD **rx_packets**
- DWORD **tx_packets**
- DWORD **rx_bytes**
- DWORD **tx_bytes**
- DWORD **rx_errors**
- DWORD **tx_errors**
- DWORD **rx_dropped**
- DWORD **tx_dropped**
- DWORD **multicast**
- DWORD **rx_length_errors**
- DWORD **rx_over_errors**
- DWORD **rx_osize_errors**
- DWORD **rx_crc_errors**
- DWORD **rx_frame_errors**
- DWORD **rx_fifo_errors**
- DWORD **rx_missed_errors**
- DWORD **tx_aborted_errors**
- DWORD **tx_carrier_errors**
- DWORD **tx_fifo_errors**
- DWORD **tx_heartbeat_errors**
- DWORD **tx_window_errors**
- DWORD **tx_collisions**
- DWORD **tx_jabbers**

9.718.1   Detailed Description

Definition at line 176 of file pcap-dos.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap-dos.h

9.719   net_lro_desc Struct Reference

Public Attributes

- struct sk_buff ∗ **parent**
- struct sk_buff ∗ **last_skb**
- struct skb_frag_struct ∗ **next_frag**
- struct iphdr ∗ **iph**
- struct tcphdr ∗ **tcph**

- struct vlan_group ∗ **vgrp**
- __wsum **data_csum**
- __be32 **tcp_rcv_tsecr**
- __be32 **tcp_rcv_tsval**
- __be32 **tcp_ack**
- u32 **tcp_next_seq**
- u32 **skb_tot_frags_len**
- u16 **ip_tot_len**
- u16 **tcp_saw_tstamp**
- __be16 **tcp_window**
- u16 **vlan_tag**
- int **pkt_aggr_cnt**
- int **vlan_packet**
- int **mss**
- int **active**

9.719.1 Detailed Description

Definition at line 47 of file inet_lro.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/myricom/myri10ge-linux.1.5.1/linux/inet_lro.h

9.720 net_lro_mgr Struct Reference

Public Attributes

- struct net_device ∗ **dev**
- struct net_lro_stats **stats**
- unsigned long **features**
- u32 **ip_summed**
- u32 **ip_summed_aggr**
- int **max_desc**
- int **max_aggr**
- int **frag_align_pad**
- struct net_lro_desc ∗ **lro_arr**
- int(∗ **get_skb_header**)(struct sk_buff ∗skb, void ∗∗ip_hdr, void ∗∗tcpudp_hdr, u64 ∗hdr_flags, void ∗priv)
- int(∗ **get_frag_header**)(struct skb_frag_struct ∗frag, void ∗∗mac_hdr, void ∗∗ip_-hdr, void ∗∗tcpudp_hdr, u64 ∗hdr_flags, void ∗priv)

9.720.1   Detailed Description

Definition at line 76 of file inet_lro.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/myricom/myri10ge-linux.1.5.1/linux/inet_lro.h

9.721   net_lro_stats Struct Reference

Public Attributes

- unsigned long **aggregated**
- unsigned long **flushed**
- unsigned long **no_desc**

9.721.1   Detailed Description

Definition at line 38 of file inet_lro.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/myricom/myri10ge-linux.1.5.1/linux/inet_lro.h

9.722   netdissect_options Struct Reference

Public Attributes

- int **ndo_aflag**
- int **ndo_bflag**
- int **ndo_eflag**
- int **ndo_fflag**
- int **ndo_Kflag**
- int **ndo_nflag**
- int **ndo_Nflag**
- int **ndo_qflag**
- int **ndo_Rflag**
- int **ndo_sflag**
- int **ndo_Sflag**
- int **ndo_tflag**
- int **ndo_Uflag**
- int **ndo_uflag**
- int **ndo_vflag**
- int **ndo_xflag**
- int **ndo_Xflag**

- int **ndo_Aflag**
- int **ndo_Bflag**
- int **ndo_Iflag**
- int **ndo_Oflag**
- int **ndo_dlt**
- int **ndo_pflag**
- int **ndo_Cflag**
- int **ndo_Cflag_count**
- int **ndo_Gflag**
- int **ndo_Gflag_count**
- time_t **ndo_Gflag_time**
- int **ndo_Wflag**
- int **ndo_WflagChars**
- int **ndo_suppress_default_print**
- const char ∗ **ndo_dltname**
- char ∗ **ndo_espsecret**
- struct sa_list ∗ **ndo_sa_list_head**
- struct sa_list ∗ **ndo_sa_default**
- char ∗ **ndo_sigsecret**
- struct esp_algorithm ∗ **ndo_espsecret_xform**
- char ∗ **ndo_espsecret_key**
- int **ndo_packettype**
- char ∗ **ndo_program_name**
- int32_t **ndo_thiszone**
- int **ndo_snaplen**
- const u_char ∗ **ndo_packetp**
- const u_char ∗ **ndo_snapend**
- int **ndo_infodelay**
- void(∗ **ndo_default_print**)([netdissect_options](#) ∗, register const u_char ∗bp, register u_int length)
- void(∗ **ndo_info**)([netdissect_options](#) ∗, int verbose)
- int(∗ **ndo_printf**)([netdissect_options](#) ∗, const char ∗fmt,...)
- void(∗ **ndo_error**)([netdissect_options](#) ∗, const char ∗fmt,...)
- void(∗ **ndo_warning**)([netdissect_options](#) ∗, const char ∗fmt,...)

9.722.1   Detailed Description

Definition at line 85 of file netdissect.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/netdissect.h

9.723 netinfo6 Struct Reference

Public Attributes

- struct in6_addr **rip6_dest**
- u_int16_t **rip6_tag**
- u_int8_t **rip6_plen**
- u_int8_t **rip6_metric**

9.723.1 Detailed Description

Definition at line 38 of file route6d.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/route6d.h

9.724 NetReader Class Reference

```
#include <net_reader.h>
```

Inheritance diagram for NetReader:
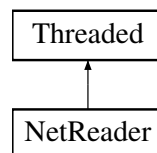
Public Member Functions

- NetReader (const int id, const std::string interface, const int snaplen, const int payload_length, const int buffer_size, const bool promiscuous, FileWriter ∗const fw, StatsWriter ∗const sw, const double command_interval)
- virtual ∼NetReader ()

  Destructor.
- virtual void start ()

  Start the main processing loop run() in its own thread of execution.
- virtual void join ()

  Wait for the main processing loop/thread to exit.
- virtual void cmd_stop ()
- virtual void cmd_read_from_network ()

Protected Types

- enum { **IDLE**, **READ_FROM_NETWORK**, **STOP** }

Protected Member Functions

- virtual void run ()

  Main processing loop.
- virtual void handle_stop ()
- virtual void handle_idle ()

  Command handler. Handles the IDLE state.
- virtual void handle_read_from_network ()

Protected Attributes

- const std::string _interface
- const int _snaplen

  The total amount of bytes to capture from the packet (e.g. 9000).
- const int _payload_length
- const int _buffer_size
- const bool _promiscuous

  Whether or not to open the network interface in promiscuous mode.
- FileWriter ∗const _fw
- StatsWriter ∗const _sw
- PFR ∗ _ring
- boost::uint8_t ∗ _net_buf
- enum NetReader:: { ... } **_state**

9.724.1 Detailed Description

Manages high speed capture of data from network interface using PF_RING. Data are read in from an assigned interface using the PF_RING API. The data are read in to specially allocated and sized buffers, that have been optimized for disk throughput. Once a buffer is full, it is passed on to a FileWriter to be written to disk.

Definition at line 49 of file net_reader.h.

9.724.2 Member Enumeration Documentation

9.724.2.1 anonymous enum `[protected]`

State variable. This variable is changed in response to cmd_X() commands applied to this object. The variable is used in the run() method to determine what state the object is currently in, so that the appropriate handle_X() method can be called.

Definition at line 154 of file net_reader.h.

```
{ IDLE, READ_FROM_NETWORK, STOP } _state;
```

9.724.3 Constructor & Destructor Documentation

9.724.3.1 NetReader::NetReader (const int *id,* const std::string *interface,* const int *snaplen,* const int *payload_length,* const int *buffer_size,* const bool *promiscuous,* FileWriter ∗const *fw,* StatsWriter ∗const *sw,* const double *command_interval*)

Constructor.

Parameters

id	A unique identifies for this object. Used in logging.
interface	The name of the network interface from which data will be captured.
snaplen	The total amount of data to be captured (data packet headers from layer2 and up are included in the count).
payload_- length	The total length of the UDP payload. This is the amount of data that needs to be extracted from each packet and then stored to disk.
buffer_size	The size of the optimal buffers that are used to transfer data from network interface to disk. Typically, these are a multiple of the system page size, and aligned to page size boundaries (e..g, page size of 256B, buffer size of 1048576B).
promiscuous	Wheter or not to put the network interface into promiscuous mode.
fw	A pointer to a FileWriter object.
sw	A pointer to a StatsWriter object.
command_- interval	The main executin thread in run() will attempt to check for new commands every command_interval seconds. The actual interval between checks may be larger than this if the execution thread spends longer than command_- interval processing individual tasks.

Todo

Robustify this.

Definition at line 43 of file net_reader.cc.

```
                                             :
  Threaded(id, command_interval),
  _interface(interface),
  _snaplen(snaplen),
  _payload_length(payload_length),
  _buffer_size(buffer_size),
  _promiscuous(promiscuous),
  _fw(fw),
  _sw(sw),
  _ring(0),
  _net_buf(0),
  _state(IDLE) {
  _ring = new PFR(interface.c_str(), snaplen, _promiscuous);
  _net_buf = new boost::uint8_t[snaplen];
}
```

9.724.4 Member Function Documentation

9.724.4.1 void NetReader::cmd_read_from_network ( ) `[virtual]`

External API command. Insert a READ_FROM_NETWORK command into the object's command queue for processing.

Definition at line 130 of file net_reader.cc.

```
                                  {
  LOG4CXX_INFO(logger, "Received READ_FROM_NETWORK...");
  _state = READ_FROM_NETWORK;
}
```

9.724.4.2 void NetReader::cmd_stop ( ) `[virtual]`

External API command. Insert a STOP command into the object's command queue for processing.

Implements Threaded.

Definition at line 125 of file net_reader.cc.

```
                       {
  LOG4CXX_INFO(logger, "Received STOP");
  _state = STOP;
}
```

9.724.4.3 void NetReader::handle_read_from_network ( ) `[protected, virtual]`

Command handler. Handles the READ_FROM_NETWORK state/command. On receiving this command, the NetReader object will start to read data from the network interface and pass filled buffers to the FileWriter object.

Definition at line 174 of file net_reader.cc.

```
                                            {
  struct pfring_pkthdr hdr;
  int payload_length;
  boost::uint8_t* payload_ptr;

  int bytes_read = 0;
  static int remainder_len = 0;
  static boost::uint8_t remainder_buf[9000];
  static bool first_write = true;
  static boost::uint8_t net_buf[9000];
  static PcapPacketHeader pph;

#define DYNAMIC_BUFFER
#ifdef DYNAMIC_BUFFER
  int bytes_left = _buffer_size;
  boost::uint8_t* file_buf = _fw->malloc_buffer();
```

```
  if (!file_buf) {
    LOG4CXX_ERROR(logger, "File buffer's full: timedout");
    return;
  }
  assert(file_buf);
#else
  const int BUFFER_SIZE = 1048576;
  int bytes_left = BUFFER_SIZE;
  static boost::uint8_t file_buf[BUFFER_SIZE];
#endif
  boost::uint64_t dropped_packets = 0;
  boost::uint64_t num_packets = 0;
  boost::uint64_t num_bytes = 0;

  if (first_write) {
    memcpy(remainder_buf, PCAP_HEADER, PCAP_HEADER_LENGTH);
    remainder_len = PCAP_HEADER_LENGTH;
    first_write = false;
  }

  // Copy partial packet.
  if (remainder_len > 0) {
    memcpy(file_buf, remainder_buf, remainder_len);
    bytes_read += remainder_len;
    bytes_left -= remainder_len;
    remainder_len = 0;
  }

  // Fill the new file_buf;
  while (bytes_left > 0) {
    if (_ring->get_next_packet(&hdr, &net_buf[PCAP_PACKET_HEADER_LENGTH],
                 _snaplen) > 0) {
      // Successful read.

      // Extract offsets etc. from pfring structures.
      struct pfring_extended_pkthdr& pep(hdr.extended_hdr);
      struct pkt_parsing_info& ppi(pep.parsed_pkt);
      struct pkt_offset po(ppi.offset);
      const boost::uint16_t eth_offset(po.eth_offset);
      const boost::uint16_t l3_offset(po.l3_offset);
      const boost::uint16_t l4_offset(po.l4_offset);
      const boost::uint16_t payload_offset(po.payload_offset);

      // Get payload information.
      // FIXME payload_ptr = &_net_buf[payload_offset];
      payload_ptr = net_buf;
      // FIXME payload_length = hdr.caplen - payload_offset;
      payload_length = hdr.len + PCAP_PACKET_HEADER_LENGTH;

      pph.ts_sec = hdr.ts.tv_sec;
      pph.ts_usec = hdr.ts.tv_usec;
      pph.incl_len = hdr.len;
      pph.orig_len = hdr.len;
      memcpy(net_buf, &pph, PCAP_PACKET_HEADER_LENGTH);

      // Check for validity of capture.
      if (hdr.caplen != _snaplen) {
      // || hdr.caplen != hdr.len
      // || payload_length != _payload_length) {
    LOG4CXX_DEBUG(logger, "Short capture(caplen/snaplen"
            "len/payload_length/PAYLOAD_LENGTH) -> ("
            << hdr.caplen << "/" << _snaplen << "/"
```

```
                << hdr.len << "/" << payload_length << "/"
                << _payload_length << ")");
      continue;
        }

        // Update stats.
        num_packets++;
        num_bytes += hdr.len;
      } else {
        LOG4CXX_ERROR(logger, "Error while calling get_next_packet(): "
              << strerror(errno));
        continue;
      }

      // Accumulate or flush data.
      if (bytes_left < payload_length) {
        // Copy fragment into buffer.
        memcpy(&file_buf[bytes_read], payload_ptr, bytes_left);
        bytes_read += bytes_left;

        // Copy remainder into remainder_buf.
        remainder_len = payload_length - bytes_left;
        memcpy(remainder_buf, payload_ptr + bytes_left, remainder_len);

#define BUFFERED_WRITE
#ifdef BUFFERED_WRITE
        if (!_fw->write(file_buf))
      ++dropped_packets;
#else
        _fw->write_unbuffered(file_buf, BUFFER_SIZE);
#endif
        // Update stats.
        _sw->update(num_packets, num_bytes, dropped_packets, 0);
        bytes_left = 0;
        break;
      } else if (bytes_left == payload_length) {
        // Copy captured payload to file buffer.
        memcpy(&file_buf[bytes_read], payload_ptr, payload_length);
        bytes_read += payload_length;
        bytes_left -= payload_length;
#ifdef BUFFERED_WRITE
        if (!_fw->write(file_buf))
      ++dropped_packets;
#else
        _fw->write_unbuffered(file_buf, BUFFER_SIZE);
#endif
      } else {
        // Copy captured payload to file buffer.
        memcpy(&file_buf[bytes_read], payload_ptr, payload_length);
        bytes_read += payload_length;
        bytes_left -= payload_length;
      }
    }
}
```

9.724.4.4 void NetReader::handle_stop ( ) [protected, virtual]

Command handler. Handles the STOP command/state. On receiving this command, the FileWriter object will stop processing and exit the run() method at the next opportunity.

Implements Threaded.

Definition at line 135 of file net_reader.cc.

```
                              {
  _running = false;
}
```

9.724.5 Member Data Documentation

9.724.5.1 const int NetReader::_buffer_size [protected]

The size of the buffer being filled. These buffers are optimized for disk throughput and have custom memory allocation and alignment mechanisms. Typically, these buffers are orders of magnitude larger than a packet (e.g. 1 MB v. 9KB).

Definition at line 127 of file net_reader.h.

9.724.5.2 FileWriter∗ const NetReader::_fw [protected]

A pointer to the FileWriter object that will write the data to disk. Once a buffer is filled, it is passed in to the FileWriter object where it is queued awaiting transfer to disk.

Definition at line 135 of file net_reader.h.

9.724.5.3 const std::string NetReader::_interface [protected]

The name of the network interface from which to capture data (e.g., eth2).

Definition at line 114 of file net_reader.h.

9.724.5.4 boost::uint8_t∗ NetReader::_net_buf [protected]

A pointer to the temporary buffer used to store data recently captured from the network interface.

Definition at line 148 of file net_reader.h.

9.724.5.5 const int NetReader::_payload_length [protected]

The length of the payload (i.e. the amount of data to extract and write to disk).

Definition at line 121 of file net_reader.h.

9.724.5.6 PFR∗ NetReader::_ring [protected]

A pointer to the PF_RING data structure that tracks the PF_RING state and data structures.

Definition at line 144 of file net_reader.h.

9.724.5.7 StatsWriter∗ const NetReader::_sw `[protected]`

A pointer to a StatsWriter object that will keep track of throughput statistics for this object. The StatsWriter will also write these statistics to CSV file on disk.

Definition at line 140 of file net_reader.h.

The documentation for this class was generated from the following files:

- src/net2disk/net_reader.h
- src/net2disk/net_reader.cc

9.725 newah Struct Reference

Public Attributes

- u_int8_t **ah_nxt**
- u_int8_t **ah_len**
- u_int16_t **ah_reserve**
- u_int32_t **ah_spi**
- u_int32_t **ah_seq**

9.725.1 Detailed Description

Definition at line 48 of file ah.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ah.h

9.726 newesp Struct Reference

Public Attributes

- u_int32_t **esp_spi**
- u_int32_t **esp_seq**

9.726.1 Detailed Description

Definition at line 51 of file esp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/esp.h

9.727 nfhdr Struct Reference

Public Attributes

- u_int32_t **ver_cnt**
- u_int32_t **msys_uptime**
- u_int32_t **utc_sec**
- u_int32_t **utc_nsec**
- u_int32_t **sequence**
- u_int32_t **reserved**

9.727.1 Detailed Description

Definition at line 56 of file print-cnfp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-cnfp.c

9.728 NfqImpl Struct Reference

Public Attributes

- int **protos**
- int **sock**
- int **qid**
- int **qlen**
- struct nfq_handle ∗ **nf_handle**
- struct nfq_q_handle ∗ **nf_queue**
- const char ∗ **device**
- char ∗ **filter**
- struct sfbpf_program **fcode**
- ip_t ∗ **net**
- eth_t ∗ **link**
- uint8_t ∗ **buf**
- void ∗ **user_data**
- DAQ_Analysis_Func_t **user_func**
- volatile int **count**
- int **passive**
- uint32_t **snaplen**
- unsigned **timeout**
- char **error** [DAQ_ERRBUF_SIZE]
- DAQ_State **state**
- DAQ_Stats_t **stats**

9.728.1 Detailed Description

Definition at line 55 of file daq_nfq.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/os-daq-modules/daq_nfq.c

9.729 nfrec Struct Reference

Public Attributes

- struct in_addr **src_ina**
- struct in_addr **dst_ina**
- struct in_addr **nhop_ina**
- u_int32_t **ifaces**
- u_int32_t **packets**
- u_int32_t **octets**
- u_int32_t **start_time**
- u_int32_t **last_time**
- u_int32_t **ports**
- u_int32_t **proto_tos**
- u_int32_t **asses**
- u_int32_t **masks**
- struct in_addr **peer_nexthop**

9.729.1 Detailed Description

Definition at line 65 of file print-cnfp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-cnfp.c

9.730 nfs_fattr Struct Reference

Public Attributes

- u_int32_t **fa_type**
- u_int32_t **fa_mode**
- u_int32_t **fa_nlink**
- u_int32_t **fa_uid**
- u_int32_t **fa_gid**

- union {
    struct {
      u_int32_t **nfsv2fa_size**
      u_int32_t **nfsv2fa_blocksize**
      u_int32_t **nfsv2fa_rdev**
      u_int32_t **nfsv2fa_blocks**
      u_int32_t **nfsv2fa_fsid**
      u_int32_t **nfsv2fa_fileid**
      nfstime2 **nfsv2fa_atime**
      nfstime2 **nfsv2fa_mtime**
      nfstime2 **nfsv2fa_ctime**
    } **fa_nfsv2**
    struct {
      nfsuint64 **nfsv3fa_size**
      nfsuint64 **nfsv3fa_used**
      nfsv3spec **nfsv3fa_rdev**
      nfsuint64 **nfsv3fa_fsid**
      nfsuint64 **nfsv3fa_fileid**
      nfstime3 **nfsv3fa_atime**
      nfstime3 **nfsv3fa_mtime**
      nfstime3 **nfsv3fa_ctime**
    } **fa_nfsv3**
  } **fa_un**

9.730.1   Detailed Description

Definition at line 308 of file nfs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/nfs.h

9.731   nfs_statfs Struct Reference

Public Attributes

- union {
    struct {
      u_int32_t **nfsv2sf_tsize**
      u_int32_t **nfsv2sf_bsize**
      u_int32_t **nfsv2sf_blocks**
      u_int32_t **nfsv2sf_bfree**
      u_int32_t **nfsv2sf_bavail**
    } **sf_nfsv2**
    struct {
      nfsuint64 **nfsv3sf_tbytes**

> nfsuint64 **nfsv3sf_fbytes**
> nfsuint64 **nfsv3sf_abytes**
> nfsuint64 **nfsv3sf_tfiles**
> nfsuint64 **nfsv3sf_ffiles**
> nfsuint64 **nfsv3sf_afiles**
> u_int32_t **nfsv3sf_invarsec**
> } **sf_nfsv3**
> } **sf_un**

9.731.1   Detailed Description

Definition at line 385 of file nfs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/nfs.h

9.732   nfs_uquad Struct Reference

Public Attributes

- u_int32_t **nfsuquad** [2]

9.732.1   Detailed Description

Definition at line 285 of file nfs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/nfs.h

9.733   nfsfh Union Reference

Public Attributes

- u_char **fh_bytes** [NFS_SMALLFH]

9.733.1   Detailed Description

Definition at line 263 of file nfs.h.

The documentation for this union was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/nfs.h

9.734 nfsv2_sattr Struct Reference

Public Attributes

- u_int32_t **sa_mode**
- u_int32_t **sa_uid**
- u_int32_t **sa_gid**
- u_int32_t **sa_size**
- [nfstime2](#) **sa_atime**
- [nfstime2](#) **sa_mtime**

9.734.1 Detailed Description

Definition at line 358 of file nfs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/nfs.h

9.735 nfsv2_time Struct Reference

Public Attributes

- u_int32_t **nfsv2_sec**
- u_int32_t **nfsv2_usec**

9.735.1 Detailed Description

Definition at line 269 of file nfs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/nfs.h

9.736 nfsv3_fsinfo Struct Reference

Public Attributes

- u_int32_t **fs_rtmax**
- u_int32_t **fs_rtpref**
- u_int32_t **fs_rtmult**
- u_int32_t **fs_wtmax**
- u_int32_t **fs_wtpref**
- u_int32_t **fs_wtmult**

- u_int32_t **fs_dtpref**
- nfsuint64 **fs_maxfilesize**
- nfstime3 **fs_timedelta**
- u_int32_t **fs_properties**

9.736.1   Detailed Description

Definition at line 419 of file nfs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/nfs.h

9.737   nfsv3_pathconf Struct Reference

Public Attributes

- u_int32_t **pc_linkmax**
- u_int32_t **pc_namemax**
- u_int32_t **pc_notrunc**
- u_int32_t **pc_chownrestricted**
- u_int32_t **pc_caseinsensitive**
- u_int32_t **pc_casepreserving**

9.737.1   Detailed Description

Definition at line 432 of file nfs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/nfs.h

9.738   nfsv3_sattr Struct Reference

Public Attributes

- u_int32_t **sa_modeset**
- u_int32_t **sa_mode**
- u_int32_t **sa_uidset**
- u_int32_t **sa_uid**
- u_int32_t **sa_gidset**
- u_int32_t **sa_gid**
- u_int32_t **sa_sizeset**
- u_int32_t **sa_size**

- u_int32_t **sa_atimetype**
- nfstime3 **sa_atime**
- u_int32_t **sa_mtimetype**
- nfstime3 **sa_mtime**

9.738.1   Detailed Description

Definition at line 370 of file nfs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/nfs.h

9.739   nfsv3_spec Struct Reference

Public Attributes

- u_int32_t **specdata1**
- u_int32_t **specdata2**

9.739.1   Detailed Description

Definition at line 293 of file nfs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/nfs.h

9.740   nfsv3_time Struct Reference

Public Attributes

- u_int32_t **nfsv3_sec**
- u_int32_t **nfsv3_nsec**

9.740.1   Detailed Description

Definition at line 275 of file nfs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/nfs.h

9.741 ni_reply_fqdn Struct Reference

Public Attributes

- u_int32_t **ni_fqdn_ttl**
- u_int8_t **ni_fqdn_namelen**
- u_int8_t **ni_fqdn_name** [3]

9.741.1 Detailed Description

Definition at line 393 of file icmp6.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/icmp6.h

9.742 nig_stats Struct Reference

Public Attributes

- u32 **brb_discard**
- u32 **brb_packet**
- u32 **brb_truncate**
- u32 **flow_ctrl_discard**
- u32 **flow_ctrl_octets**
- u32 **flow_ctrl_packet**
- u32 **mng_discard**
- u32 **mng_octet_inp**
- u32 **mng_octet_out**
- u32 **mng_packet_inp**
- u32 **mng_packet_out**
- u32 **pbf_octets**
- u32 **pbf_packet**
- u32 **safc_inp**
- u32 **egress_mac_pkt0_lo**
- u32 **egress_mac_pkt0_hi**
- u32 **egress_mac_pkt1_lo**
- u32 **egress_mac_pkt1_hi**

9.742.1 Detailed Description

Definition at line 717 of file bnx2x.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x.h

9.743 notify_messages Struct Reference

Public Attributes

- u_int16_t **type**
- char * **msg**

9.743.1 Detailed Description

Definition at line 482 of file isakmp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/isakmp.h

9.744 nsphdr Struct Reference

Public Attributes

- byte **nh_flags**
- word **nh_dst**
- word **nh_src**

9.744.1 Detailed Description

Definition at line 364 of file decnet.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/decnet.h

9.745 nt_err_code_struct Struct Reference

Public Attributes

- u_int32_t **code**
- const char * **name**

9.745.1 Detailed Description

Definition at line 1010 of file smbutil.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/smbutil.c

9.746 ntp64 Struct Reference

Public Attributes

- u_int32_t **upper**
- u_int32_t **lower**

9.746.1 Detailed Description

Definition at line 66 of file print-udp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-udp.c

9.747 ntpdata Struct Reference

Public Attributes

- u_char **status**
- u_char **stratum**
- u_char **ppoll**
- int **precision**:8
- struct s_fixedpt **root_delay**
- struct s_fixedpt **root_dispersion**
- u_int32_t **refid**
- struct l_fixedpt **ref_timestamp**
- struct l_fixedpt **org_timestamp**
- struct l_fixedpt **rec_timestamp**
- struct l_fixedpt **xmt_timestamp**
- u_int32_t **key_id**
- u_int8_t **message_digest** [16]

9.747.1 Detailed Description

Definition at line 78 of file ntp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ntp.h

9.748   oam_fm_ais_rdi_t Struct Reference

Public Attributes

- u_int8_t **failure_type**
- u_int8_t **failure_location** [16]
- u_int8_t **unused** [28]

9.748.1   Detailed Description

Definition at line 346 of file print-atm.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-atm.c

9.749   oam_fm_loopback_t Struct Reference

Public Attributes

- u_int8_t **loopback_indicator**
- u_int8_t **correlation_tag** [4]
- u_int8_t **loopback_id** [12]
- u_int8_t **source_id** [12]
- u_int8_t **unused** [16]

9.749.1   Detailed Description

Definition at line 338 of file print-atm.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-atm.c

9.750   obj Struct Reference

Public Attributes

- const char ∗ **desc**
- u_char **oid**
- u_char **type**
- struct obj ∗ **child**
- struct obj ∗ **next**

9.750.1   Detailed Description

Definition at line 259 of file print-snmp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-snmp.c

9.751   obj_abrev Struct Reference

Public Attributes

- const char ∗ **prefix**
- struct obj ∗ **node**
- const char ∗ **oid**

9.751.1   Detailed Description

Definition at line 281 of file print-snmp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-snmp.c

9.752   olsr_common Struct Reference

Public Attributes

- u_int8_t **packet_len** [2]
- u_int8_t **packet_seq** [2]

9.752.1   Detailed Description

Definition at line 67 of file print-olsr.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-olsr.c

9.753   olsr_hello Struct Reference

Public Attributes

- u_int8_t **res** [2]

- u_int8_t **htime**
- u_int8_t **will**

### 9.753.1 Detailed Description

Definition at line 113 of file print-olsr.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-olsr.c

9.754 olsr_hello_link Struct Reference

Public Attributes

- u_int8_t **link_code**
- u_int8_t **res**
- u_int8_t **len** [2]

9.754.1 Detailed Description

Definition at line 119 of file print-olsr.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-olsr.c

9.755 olsr_hna4 Struct Reference

Public Attributes

- u_int8_t **network** [4]
- u_int8_t **mask** [4]

9.755.1 Detailed Description

Definition at line 130 of file print-olsr.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-olsr.c

9.756 olsr_hna6 Struct Reference

Public Attributes

- u_int8_t **network** [16]
- u_int8_t **mask** [16]

9.756.1 Detailed Description

Definition at line 135 of file print-olsr.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-olsr.c

9.757 olsr_lq_neighbor4 Struct Reference

Public Attributes

- u_int8_t **neighbor** [4]
- u_int8_t **link_quality**
- u_int8_t **neighbor_link_quality**
- u_int8_t **res** [2]

9.757.1 Detailed Description

Definition at line 159 of file print-olsr.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-olsr.c

9.758 olsr_lq_neighbor6 Struct Reference

Public Attributes

- u_int8_t **neighbor** [16]
- u_int8_t **link_quality**
- u_int8_t **neighbor_link_quality**
- u_int8_t **res** [2]

9.758.1   Detailed Description

Definition at line 166 of file print-olsr.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-olsr.c

9.759   olsr_msg4 Struct Reference

Public Attributes

- u_int8_t **msg_type**
- u_int8_t **vtime**
- u_int8_t **msg_len** [2]
- u_int8_t **originator** [4]
- u_int8_t **ttl**
- u_int8_t **hopcount**
- u_int8_t **msg_seq** [2]

9.759.1   Detailed Description

Definition at line 93 of file print-olsr.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-olsr.c

9.760   olsr_msg6 Struct Reference

Public Attributes

- u_int8_t **msg_type**
- u_int8_t **vtime**
- u_int8_t **msg_len** [2]
- u_int8_t **originator** [16]
- u_int8_t **ttl**
- u_int8_t **hopcount**
- u_int8_t **msg_seq** [2]

9.760.1   Detailed Description

Definition at line 103 of file print-olsr.c.

The documentation for this struct was generated from the following file:

• src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-olsr.c

9.761 olsr_tc Struct Reference

Public Attributes

• u_int8_t **ans_seq** [2]
• u_int8_t **res** [2]

9.761.1 Detailed Description

Definition at line 125 of file print-olsr.c.

The documentation for this struct was generated from the following file:

• src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-olsr.c

9.762 oneshot_userdata Struct Reference

Public Attributes

• struct pcap_pkthdr ∗ **hdr**
• const u_char ∗∗ **pkt**
• pcap_t ∗ **pd**

9.762.1 Detailed Description

Definition at line 420 of file pcap-int.h.

The documentation for this struct was generated from the following file:

• src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap-int.h

9.763 op_read Struct Reference

Public Attributes

• u32 **op**:8
• u32 **offset**:24
• u32 **pad**

9.763.1 Detailed Description

Definition at line 113 of file bnx2x_init.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-init.h

9.764 op_string_write Struct Reference

Public Attributes

- u32 **op**:8
- u32 **offset**:24
- u16 **data_len**
- u16 **data_off**

9.764.1 Detailed Description

Definition at line 125 of file bnx2x_init.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-init.h

9.765 op_write Struct Reference

Public Attributes

- u32 **op**:8
- u32 **offset**:24
- u32 **val**

9.765.1 Detailed Description

Definition at line 119 of file bnx2x_init.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-init.h

9.766 op_zero Struct Reference

Public Attributes

- u32 **op**:8
- u32 **offset**:24
- u32 **len**

9.766.1 Detailed Description

Definition at line 137 of file bnx2x_init.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-
init.h

9.767 option Struct Reference

Public Attributes

- char ∗ **name**
- int **has_arg**
- int ∗ **flag**
- int **val**

9.767.1 Detailed Description

Definition at line 86 of file getopt.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/win32/Include/getopt.h

9.768 option_header Struct Reference

Public Attributes

- u_short **option_code**
- u_short **option_length**

9.768.1 Detailed Description

Definition at line 91 of file sf-pcap-ng.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/sf-pcap-ng.c

9.769 optlv_h Struct Reference

Public Attributes

- u_int16_t **flags**
- u_int16_t **op_msk**
- const char ∗ **s**
- int(∗ **print**)(register const u_char ∗pptr, register u_int len, u_int16_t op_msk, int indent)

9.769.1 Detailed Description

Definition at line 273 of file forces.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/forces.h

9.770 ospf6hdr Struct Reference

Public Attributes

- u_int8_t **ospf6_version**
- u_int8_t **ospf6_type**
- u_int16_t **ospf6_len**
- rtrid_t **ospf6_routerid**
- rtrid_t **ospf6_areaid**
- u_int16_t **ospf6_chksum**
- u_int8_t **ospf6_instanceid**
- u_int8_t **ospf6_rsvd**
- union {
  struct {
    u_int32_t **hello_ifid**
    union {
      u_int8_t **pri**
      u_int32_t **opt**
    } **hello_priandopt**

```
        u_int16_t hello_helloint
        u_int16_t hello_deadint
        rtrid_t hello_dr
        rtrid_t hello_bdr
        rtrid_t hello_neighbor [1]
    } un_hello
    struct {
        u_int32_t db_options
        u_int16_t db_mtu
        u_int8_t db_mbz
        u_int8_t db_flags
        u_int32_t db_seq
        struct lsa6_hdr db_lshdr [1]
    } un_db
    struct lsr6 {
        u_int16_t ls_mbz
        u_int16_t ls_type
        rtrid_t ls_stateid
        rtrid_t ls_router
    } un_lsr [1]
    struct {
        u_int32_t lsu_count
        struct lsa6 lsu_lsa [1]
    } un_lsu
    struct {
        struct lsa6_hdr lsa_lshdr [1]
    } un_lsa
} ospf6_un
```

9.770.1 Detailed Description

Definition at line 202 of file ospf6.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ospf6.h

9.771   ospfhdr Struct Reference

Public Attributes

- u_int8_t **ospf_version**
- u_int8_t **ospf_type**
- u_int16_t **ospf_len**
- struct in_addr **ospf_routerid**
- struct in_addr **ospf_areaid**

- u_int16_t **ospf_chksum**
- u_int16_t **ospf_authtype**
- u_int8_t **ospf_authdata** [OSPF_AUTH_SIZE]
- union {
  struct {
  struct in_addr **hello_mask**
  u_int16_t **hello_helloint**
  u_int8_t **hello_options**
  u_int8_t **hello_priority**
  u_int32_t **hello_deadint**
  struct in_addr **hello_dr**
  struct in_addr **hello_bdr**
  struct in_addr **hello_neighbor** [1]
  } **un_hello**
  struct {
  u_int16_t **db_ifmtu**
  u_int8_t **db_options**
  u_int8_t **db_flags**
  u_int32_t **db_seq**
  struct [lsa_hdr](#) **db_lshdr** [1]
  } **un_db**
  struct **lsr** {
  u_int8_t **ls_type** [4]
  union {
  struct in_addr **ls_stateid**
  struct {
  u_int8_t **opaque_type**
  u_int8_t **opaque_id** [3]
  } **opaque_field**
  } **un_ls_stateid**
  struct in_addr **ls_router**
  } **un_lsr** [1]
  struct {
  u_int32_t **lsu_count**
  struct [lsa](#) **lsu_lsa** [1]
  } **un_lsu**
  struct {
  struct [lsa_hdr](#) **lsa_lshdr** [1]
  } **un_lsa**
  } **ospf_un**

9.771.1   Detailed Description

Definition at line 262 of file ospf.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ospf.h

9.772   oui_tok Struct Reference

Public Attributes

- u_int32_t **oui**
- struct tok ∗ **tok**

9.772.1   Detailed Description

Definition at line 132 of file print-llc.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-llc.c

9.773   p8022Hdr Struct Reference

Public Attributes

- u_char **dsap**
- u_char **ssap**
- u_char **flags**

9.773.1   Detailed Description

Definition at line 7 of file netbios.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/netbios.h

9.774   packet Struct Reference

Public Attributes

- u_int16_t **len**
- char ∗ **pkt**
- struct packet ∗ **next**

9.774.1   Detailed Description

Definition at line 47 of file pfsend.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/examples/pfsend.c

9.775 packet_block Struct Reference

Public Attributes

- u_short **interface_id**
- u_short **drops_count**
- bpf_u_int32 **timestamp_high**
- bpf_u_int32 **timestamp_low**
- bpf_u_int32 **caplen**
- bpf_u_int32 **len**

9.775.1 Detailed Description

Definition at line 183 of file sf-pcap-ng.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/sf-pcap-ng.c

9.776 packet_header Struct Reference

9.776.1 Detailed Description

Definition at line 36 of file pcap-enet.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap-enet.c

9.777 packet_user_detail Union Reference

Public Attributes

- struct [pkt_flow_info](#) **flow**
- struct [pkt_aggregation_info](#) **aggregation**

9.777.1 Detailed Description

Definition at line 147 of file pf_ring.h.

The documentation for this union was generated from the following file:

- src/extern/PF_RING-4.7.0/kernel/linux/pf_ring.h

9.778 PageID Struct Reference

Public Attributes

- u_int32_t **p_sid**
- u_int32_t **p_uid**

9.778.1 Detailed Description

Definition at line 87 of file print-wb.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-wb.c

9.779 parsing_flags Struct Reference

Public Attributes

- __le16 **flags**

9.779.1 Detailed Description

Definition at line 1487 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.780 pathdata_h Struct Reference

Public Attributes

- u_int16_t **pflags**
- u_int16_t **pIDcnt**

9.780.1 Detailed Description

Definition at line 289 of file forces.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/forces.h

9.781 pcap Struct Reference

Public Attributes

- int **fd**
- int **selectable_fd**
- int **send_fd**
- int **snapshot**
- int **linktype**
- int **linktype_ext**
- int **tzoff**
- int **offset**
- int **activated**
- int **oldstyle**
- int **break_loop**
- struct pcap_sf **sf**
- struct pcap_md **md**
- struct pcap_opt **opt**
- int **bufsize**
- u_char ∗ **buffer**
- u_char ∗ **bp**
- int **cc**
- u_char ∗ **pkt**
- pcap_direction_t **direction**
- activate_op_t **activate_op**
- can_set_rfmon_op_t **can_set_rfmon_op**
- read_op_t **read_op**
- inject_op_t **inject_op**
- setfilter_op_t **setfilter_op**
- setdirection_op_t **setdirection_op**
- set_datalink_op_t **set_datalink_op**
- getnonblock_op_t **getnonblock_op**
- setnonblock_op_t **setnonblock_op**
- stats_op_t **stats_op**
- pcap_handler **oneshot_callback**
- cleanup_op_t **cleanup_op**
- struct bpf_program **fcode**
- char **errbuf** [PCAP_ERRBUF_SIZE+1]
- int **dlt_count**
- u_int ∗ **dlt_list**
- struct pcap_pkthdr **pcap_header**

9.781.1 Detailed Description

Definition at line 249 of file pcap-int.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap-int.h

9.782 pcap_addr Struct Reference

Public Attributes

- struct pcap_addr ∗ **next**
- struct sockaddr ∗ **addr**
- struct sockaddr ∗ **netmask**
- struct sockaddr ∗ **broadaddr**
- struct sockaddr ∗ **dstaddr**

9.782.1 Detailed Description

Definition at line 238 of file pcap.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap/pcap.h

9.783 pcap_dag_node Struct Reference

Public Attributes

- struct pcap_dag_node ∗ **next**
- pcap_t ∗ **p**
- pid_t **pid**

9.783.1 Detailed Description

Definition at line 73 of file pcap-dag.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap-dag.c

9.784 pcap_disk_pkthdr Struct Reference

Public Attributes

- struct [pcap_disk_timeval](#) **ts**
- u_int32_t **caplen**
- u_int32_t **len**

9.784.1 Detailed Description

Definition at line 34 of file pcap2nspcap.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/examples/pcap2nspcap.c

9.785 pcap_disk_timeval Struct Reference

Public Attributes

- u_int32_t **tv_sec**
- u_int32_t **tv_usec**

9.785.1 Detailed Description

Definition at line 29 of file pcap2nspcap.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/examples/pcap2nspcap.c

9.786 pcap_etherent Struct Reference

Public Attributes

- u_char **addr** [6]
- char **name** [122]

9.786.1 Detailed Description

Definition at line 50 of file namedb.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap/namedb.h
- src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/sfbpf/namedb.h

9.787 pcap_file_header Struct Reference

Public Attributes

- bpf_u_int32 **magic**
- u_short **version_major**
- u_short **version_minor**
- bpf_int32 **thiszone**
- bpf_u_int32 **sigfigs**
- bpf_u_int32 **snaplen**
- bpf_u_int32 **linktype**

9.787.1 Detailed Description

Definition at line 123 of file pcap.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap/pcap.h

9.788 pcap_if Struct Reference

Public Attributes

- struct [pcap_if](#) ∗ **next**
- char ∗ **name**
- char ∗ **description**
- struct [pcap_addr](#) ∗ **addresses**
- bpf_u_int32 **flags**

9.788.1 Detailed Description

Definition at line 225 of file pcap.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap/pcap.h

9.789 pcap_md Struct Reference

Public Attributes

- struct pcap_stat **stat**
- int **use_bpf**
- u_long **TotPkts**
- u_long **TotAccepted**
- u_long **TotDrops**
- long **TotMissed**
- long **OrigMissed**
- char ∗ **device**
- int **timeout**
- int **must_do_on_close**
- struct pcap ∗ **next**

9.789.1 Detailed Description

Definition at line 129 of file pcap-int.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap-int.h

9.790 pcap_opt Struct Reference

Public Attributes

- int **buffer_size**
- char ∗ **source**
- int **promisc**
- int **rfmon**

9.790.1 Detailed Description

Definition at line 212 of file pcap-int.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap-int.h

9.791 pcap_pkthdr Struct Reference

Public Attributes

- struct timeval **ts**
- bpf_u_int32 **caplen**
- bpf_u_int32 **len**

9.791.1 Detailed Description

Definition at line 161 of file pcap.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap/pcap.h

9.792 pcap_sf Struct Reference

Public Attributes

- FILE ∗ **rfile**
- int(∗ **next_packet_op**)(pcap_t ∗, struct pcap_pkthdr ∗, u_char ∗∗)
- int **swapped**
- size_t **hdrsize**
- swapped_type_t **lengths_swapped**
- int **version_major**
- int **version_minor**
- bpf_u_int32 **ifcount**
- u_int **tsresol**
- u_int **tsscale**
- u_int64_t **tsoffset**

9.792.1 Detailed Description

Definition at line 112 of file pcap-int.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap-int.h

9.793 pcap_sf_patched_pkthdr Struct Reference

Public Attributes

- struct pcap_timeval **ts**

- bpf_u_int32 **caplen**
- bpf_u_int32 **len**
- int **index**
- unsigned short **protocol**
- unsigned char **pkt_type**

9.793.1 Detailed Description

Definition at line 407 of file pcap-int.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap-int.h

9.794 pcap_sf_pkthdr Struct Reference

Public Attributes

- struct pcap_timeval **ts**
- bpf_u_int32 **caplen**
- bpf_u_int32 **len**

9.794.1 Detailed Description

Definition at line 391 of file pcap-int.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap-int.h

9.795 pcap_stat Struct Reference

Public Attributes

- u_int **ps_recv**
- u_int **ps_drop**
- u_int **ps_ifdrop**

9.795.1 Detailed Description

Definition at line 180 of file pcap.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap/pcap.h

9.796 pcap_timeval Struct Reference

Public Attributes

- bpf_int32 **tv_sec**
- bpf_int32 **tv_usec**

9.796.1 Detailed Description

Definition at line 357 of file pcap-int.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap-int.h

9.797 PcapPacketHeader Struct Reference

Public Attributes

- boost::uint32_t **ts_sec**
- boost::uint32_t **ts_usec**
- boost::uint32_t **incl_len**
- boost::uint32_t **orig_len**

9.797.1 Detailed Description

Definition at line 165 of file net_reader.cc.

The documentation for this struct was generated from the following file:

- src/net2disk/net_reader.cc

9.798 pdata_ops Struct Reference

Public Attributes

- u_int32_t **v**
- u_int16_t **flags**
- u_int16_t **op_msk**
- const char ∗ **s**
- int(∗ **print**)(register const u_char ∗pptr, register u_int len, u_int16_t op_msk, int indent)

9.798.1 Detailed Description

Definition at line 530 of file forces.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/forces.h

9.799 PFR Class Reference

Public Member Functions

- **PFR** (const char ∗device, u_int snaplen, bool promisc, char ∗bpf=NULL)
- int **set_cluster** (u_int clusterId)
- int **remove_from_cluster** ()
- int **set_channel_id** (short channelId)
- bool **wait_for_packets** (int msec=-1)
- int **get_next_packet** (struct pfring_pkthdr ∗hdr, const u_char ∗pkt, u_int pkt_len)

- int **add_bpf_filter** (char ∗the_filter)
- int **add_filtering_rule** (filtering_rule ∗the_rule)
- int **remove_filtering_rule** (u_int16_t rule_id)
- int **toggle_filtering_policy** (bool rules_default_accept_policy)
- int **add_hash_filtering_rule** (hash_filtering_rule ∗rule)
- int **remove_hash_filtering_rule** (hash_filtering_rule ∗rule)
- int **get_stats** (pfring_stat ∗stats)
- int **get_filtering_rule_stats** (u_int16_t rule_id, char ∗stats, u_int ∗stats_len)
- int **get_hash_filtering_rule_stats** (hash_filtering_rule ∗rule, char ∗stats, u_int ∗stats_len)
- char ∗ **get_device_name** ()
- int **set_sampling_rate** (u_int32_t rate)
- int **get_version** (u_int32_t ∗version)
- int **get_socket_id** ()
- struct pcap ∗ **get_pcap** ()
- const char ∗ **get_last_error** ()

9.799.1 Detailed Description

Definition at line 31 of file pfr.h.

The documentation for this class was generated from the following files:

- src/net2disk/pfr.h
- src/net2disk/pfr.cc

9.800 PFring Class Reference

Public Member Functions

- **PFring** (char ∗device, u_int snaplen, bool promisc, char ∗bpf=NULL)
- int **set_cluster** (u_int clusterId)
- int **remove_from_cluster** ()
- int **set_channel_id** (short channelId)
- bool **wait_for_packets** (int msec=-1)
- int **get_next_packet** (struct pfring_pkthdr ∗hdr, const u_char ∗pkt, u_int pkt_len)

- int **add_bpf_filter** (char ∗the_filter)
- int **add_filtering_rule** (filtering_rule ∗the_rule)
- int **remove_filtering_rule** (u_int16_t rule_id)
- int **toggle_filtering_policy** (bool rules_default_accept_policy)
- int **add_hash_filtering_rule** (hash_filtering_rule ∗rule)
- int **remove_hash_filtering_rule** (hash_filtering_rule ∗rule)
- int **get_stats** (pfring_stat ∗stats)
- int **get_filtering_rule_stats** (u_int16_t rule_id, char ∗stats, u_int ∗stats_len)
- int **get_hash_filtering_rule_stats** (hash_filtering_rule ∗rule, char ∗stats, u_int ∗stats_len)
- char ∗ **get_device_name** ()
- int **set_sampling_rate** (u_int32_t rate)
- int **get_version** (u_int32_t ∗version)
- int **get_socket_id** ()
- struct pcap ∗ **get_pcap** ()
- const char ∗ **get_last_error** ()

9.800.1 Detailed Description

Definition at line 31 of file PFring.h.

The documentation for this class was generated from the following files:

- src/extern/PF_RING-4.7.0/userland/c++/PFring.h
- src/extern/PF_RING-4.7.0/userland/c++/PFring.cpp

9.801 pfring_bundle Struct Reference

Public Attributes

- bundle_read_policy **policy**
- u_int16_t **num_sockets**
- u_int16_t **last_read_socket**
- pfring ∗ **sockets** [MAX_NUM_BUNDLE_ELEMENTS]

9.801.1   Detailed Description

Definition at line 103 of file pfring.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/lib/pfring.h

9.802   pfring_dag Struct Reference

Public Attributes

- char ∗ **device_name**
- int **fd**
- int **stream_num**
- void ∗ **bottom**
- void ∗ **top**
- uint64_t **stats_recv**
- uint64_t **stats_drop**
- uint32_t **maxwait_ms**
- uint32_t **strip_crc**

9.802.1   Detailed Description

Definition at line 26 of file pfring_mod_dag.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/lib/pfring_mod_dag.h

9.803   pfring_extended_pkthdr Struct Reference

Public Attributes

- u_int64_t **timestamp_ns**
- int **if_index**
- u_int16_t **parsed_header_len**
- struct [pkt_parsing_info](#) **parsed_pkt**

9.803.1   Detailed Description

Definition at line 178 of file pf_ring.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/kernel/linux/pf_ring.h

9.804 pfring_module_info Struct Reference

Public Attributes

- char ∗ **name**
- int(∗ **open**)(pfring ∗)

9.804.1 Detailed Description

Definition at line 276 of file pfring.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/lib/pfring.h

9.805 pfring_pkthdr Struct Reference

Public Attributes

- struct timeval **ts**
- u_int32_t **caplen**
- u_int32_t **len**
- struct pfring_extended_pkthdr **extended_hdr**
- struct pkt_parsing_info **parsed_pkt**
- u_int16_t **parsed_header_len**

9.805.1 Detailed Description

Definition at line 194 of file pf_ring.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/kernel/linux/pf_ring.h
- src/extern/PF_RING-4.7.0/legacy/kernel/include/linux/ring.h
- src/extern/PF_RING-4.7.0/legacy/kernel/ring.h

9.806 pfring_stat Struct Reference

Public Attributes

- u_int64_t **recv**
- u_int64_t **drop**

9.806.1 Detailed Description

Definition at line 111 of file pfring.h.

The documentation for this struct was generated from the following file:

  • src/extern/PF_RING-4.7.0/userland/lib/pfring.h

9.807   pgm_data Struct Reference

Public Attributes

  • u_int32_t **pgmd_seq**
  • u_int32_t **pgmd_trailseq**

9.807.1 Detailed Description

Definition at line 92 of file print-pgm.c.

The documentation for this struct was generated from the following file:

  • src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-pgm.c

9.808   pgm_header Struct Reference

Public Attributes

  • u_int16_t **pgm_sport**
  • u_int16_t **pgm_dport**
  • u_int8_t **pgm_type**
  • u_int8_t **pgm_options**
  • u_int16_t **pgm_sum**
  • u_int8_t **pgm_gsid** [6]
  • u_int16_t **pgm_length**

9.808.1 Detailed Description

Definition at line 44 of file print-pgm.c.

The documentation for this struct was generated from the following file:

  • src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-pgm.c

9.809 pgm_nak Struct Reference

Public Attributes

- u_int32_t **pgmn_seq**
- u_int16_t **pgmn_source_afi**
- u_int16_t **pgmn_reserved**

9.809.1 Detailed Description

Definition at line 64 of file print-pgm.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-pgm.c

9.810 pgm_poll Struct Reference

Public Attributes

- u_int32_t **pgmp_seq**
- u_int16_t **pgmp_round**
- u_int16_t **pgmp_reserved**

9.810.1 Detailed Description

Definition at line 75 of file print-pgm.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-pgm.c

9.811 pgm_polr Struct Reference

Public Attributes

- u_int32_t **pgmp_seq**
- u_int16_t **pgmp_round**
- u_int16_t **pgmp_subtype**
- u_int16_t **pgmp_nla_afi**
- u_int16_t **pgmp_reserved**

9.811.1 Detailed Description

Definition at line 82 of file print-pgm.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-pgm.c

9.812 pgm_spm Struct Reference

Public Attributes

- u_int32_t **pgms_seq**
- u_int32_t **pgms_trailseq**
- u_int32_t **pgms_leadseq**
- u_int16_t **pgms_nla_afi**
- u_int16_t **pgms_reserved**

9.812.1 Detailed Description

Definition at line 54 of file print-pgm.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-pgm.c

9.813 pgstate Struct Reference

Public Attributes

- u_int32_t **slot**
- struct [PageID] **page**
- u_int16_t **nid**
- u_int16_t **rsvd**

9.813.1 Detailed Description

Definition at line 152 of file print-wb.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-wb.c

9.814   pim Struct Reference

Public Attributes

- u_int8_t **pim_typever**
- u_char **pim_rsv**
- u_short **pim_cksum**

9.814.1   Detailed Description

Definition at line 97 of file print-pim.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-pim.c

9.815   pkt_aggregation_info Struct Reference

Public Attributes

- u_int32_t **num_pkts**
- u_int32_t **num_bytes**
- struct timeval first_seen **last_seen**

9.815.1   Detailed Description

Definition at line 99 of file pf_ring.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/kernel/linux/pf_ring.h
- src/extern/PF_RING-4.7.0/legacy/kernel/include/linux/ring.h
- src/extern/PF_RING-4.7.0/legacy/kernel/ring.h

9.816   pkt_dop Struct Reference

Public Attributes

- struct PageID **pd_page**
- u_int32_t **pd_sseq**
- u_int32_t **pd_eseq**

9.816.1 Detailed Description

Definition at line 121 of file print-wb.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-wb.c

9.817 pkt_flow_info Struct Reference

Public Attributes

- u_int32_t **in_iface**
- u_int32_t **out_iface**
- u_int32_t **samplingPopulation**
- u_int32_t **flow_sequence**

9.817.1 Detailed Description

Definition at line 117 of file pf_ring.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/kernel/linux/pf_ring.h

9.818 PKT_FRAME Struct Reference

Public Attributes

- char **type** [8]
- char **len**

9.818.1 Detailed Description

Definition at line 43 of file pktdrvr.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/msdos/pktdrvr.h

9.819 pkt_hdr Struct Reference

Public Attributes

- u_int32_t **ph_src**

- u_int32_t **ph_ts**
- u_int16_t **ph_version**
- u_char **ph_type**
- u_char **ph_flags**

9.819.1 Detailed Description

Definition at line 62 of file print-wb.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-wb.c

9.820 pkt_id Struct Reference

Public Attributes

- u_int32_t **pi_mslot**
- struct PageID **pi_mpage**
- struct pgstate **pi_ps**

9.820.1 Detailed Description

Definition at line 163 of file print-wb.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-wb.c

9.821 PKT_INFO Struct Reference

Public Attributes

- BYTE **class**
- BYTE **number**
- WORD **type**
- BYTE **funcs**
- WORD **intr**
- WORD **handle**
- BYTE **name** [15]
- BOOL **quiet**
- const char ∗ **error**
- BYTE **majVer**
- BYTE **minVer**

- BYTE **dummyLen**
- WORD **MAClength**
- WORD **MTU**
- WORD **multicast**
- WORD **rcvrBuffers**
- WORD **UMTbufs**
- WORD **postEOIintr**

9.821.1 Detailed Description

Definition at line 49 of file pktdrvr.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/msdos/pktdrvr.h

9.822 pkt_offset Struct Reference

Public Attributes

- int16_t **eth_offset**
- int16_t **vlan_offset**
- int16_t **l3_offset**
- int16_t **l4_offset**
- int16_t **payload_offset**

9.822.1 Detailed Description

Definition at line 108 of file pf_ring.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/kernel/linux/pf_ring.h
- src/extern/PF_RING-4.7.0/legacy/kernel/include/linux/ring.h
- src/extern/PF_RING-4.7.0/legacy/kernel/ring.h

9.823 pkt_parsing_info Struct Reference

Public Attributes

- u_int8_t **dmac** [ETH_ALEN]
- u_int8_t **smac** [ETH_ALEN]
- u_int16_t **eth_type**
- u_int16_t **vlan_id**

- u_int8_t **ip_version**
- u_int8_t **l3_proto**
- u_int8_t **ip_tos**
- [ip_addr](#) **ip_src**
- [ip_addr](#) **ip_dst**
- u_int16_t **l4_src_port**
- u_int16_t **l4_dst_port**
- struct {
    u_int8_t **flags**
    u_int32_t **seq_num**
    u_int32_t **ack_num**
  } **tcp**

- u_int16_t **last_matched_plugin_id**
- u_int16_t **last_matched_rule_id**
- struct [pkt_offset](#) **offset**
- [packet_user_detail](#) **pkt_detail**
- u_int8_t **ipv4_tos**
- u_int32_t **ipv4_src**
- u_int32_t **ipv4_dst**
- u_int8_t **tcp_flags**
- union {
    struct [pkt_offset](#) **offset**
    struct [pkt_aggregation_info](#) **aggregation**
  } **pkt_detail**

- union {
    struct [pkt_offset](#) **offset**
    struct [pkt_aggregation_info](#) **aggregation**
  } **pkt_detail**

9.823.1 Detailed Description

Definition at line 152 of file pf_ring.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/kernel/linux/pf_ring.h
- src/extern/PF_RING-4.7.0/legacy/kernel/include/linux/ring.h
- src/extern/PF_RING-4.7.0/legacy/kernel/ring.h

9.824   pkt_prep Struct Reference

Public Attributes

- u_int32_t **pp_n**

9.824.1 Detailed Description

Definition at line 177 of file print-wb.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-wb.c

9.825 pkt_preq Struct Reference

Public Attributes

- struct PageID **pp_page**
- u_int32_t **pp_low**
- u_int32_t **pp_high**

9.825.1 Detailed Description

Definition at line 171 of file print-wb.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-wb.c

9.826 pkt_rrep Struct Reference

Public Attributes

- u_int32_t **pr_id**
- struct pkt_dop **pr_dop**

9.826.1 Detailed Description

Definition at line 141 of file print-wb.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-wb.c

9.827 pkt_rreq Struct Reference

Public Attributes

- u_int32_t **pr_id**

- struct [PageID](#) **pr_page**
- u_int32_t **pr_sseq**
- u_int32_t **pr_eseq**

9.827.1 Detailed Description

Definition at line 131 of file print-wb.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-wb.c

9.828 PKT_STAT Struct Reference

Public Attributes

- DWORD **inPackets**
- DWORD **outPackets**
- DWORD **inBytes**
- DWORD **outBytes**
- DWORD **inErrors**
- DWORD **outErrors**
- DWORD **lost**

9.828.1 Detailed Description

Definition at line 73 of file pktdrvr.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/msdos/pktdrvr.h

9.829 port_feat_cfg Struct Reference

Public Attributes

- u32 **config**
- u32 **wol_config**
- u32 **mba_config**
- u32 **bmc_config**
- u32 **mba_vlan_cfg**
- u32 **resource_cfg**
- u32 **smbus_config**
- u32 **reserved1**

- u32 **link_config**
- u32 **mfw_wol_link_cfg**
- u32 **reserved** [19]

9.829.1 Detailed Description

Definition at line 387 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.830 port_hw_cfg Struct Reference

Public Attributes

- u32 **pci_id**
- u32 **pci_sub_id**
- u32 **power_dissipated**
- u32 **power_consumed**
- u32 **mac_upper**
- u32 **mac_lower**
- u32 **iscsi_mac_upper**
- u32 **iscsi_mac_lower**
- u32 **rdma_mac_upper**
- u32 **rdma_mac_lower**
- u32 **serdes_config**
- u32 **reserved0** [16]
- u16 **xgxs_config_rx** [4]
- u16 **xgxs_config_tx** [4]
- u32 **reserved1** [64]
- u32 **lane_config**
- u32 **external_phy_config**
- u32 **speed_capability_mask**
- u32 **backup_mac_upper**
- u32 **backup_mac_lower**

9.830.1 Detailed Description

Definition at line 196 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.831 port_mf_cfg Struct Reference

Public Attributes

- u32 **dynamic_cfg**
- u32 **reserved** [3]

9.831.1 Detailed Description

Definition at line 863 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.832 pptp_hdr Struct Reference

Public Attributes

- u_int16_t **length**
- u_int16_t **msg_type**
- u_int32_t **magic_cookie**
- u_int16_t **ctrl_msg_type**
- u_int16_t **reserved0**

9.832.1 Detailed Description

Definition at line 93 of file print-pptp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-pptp.c

9.833 pptp_msg_ccrq Struct Reference

Public Attributes

- u_int16_t **call_id**
- u_int16_t **reserved1**

9.833.1 Detailed Description

Definition at line 205 of file print-pptp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-pptp.c

9.834 pptp_msg_cdn Struct Reference

Public Attributes

- u_int16_t **call_id**
- u_int8_t **result_code**
- u_int8_t **err_code**
- u_int16_t **cause_code**
- u_int16_t **reserved1**
- u_char **call_stats** [128]

9.834.1 Detailed Description

Definition at line 210 of file print-pptp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-pptp.c

9.835 pptp_msg_echorp Struct Reference

Public Attributes

- u_int32_t **id**
- u_int8_t **result_code**
- u_int8_t **err_code**
- u_int16_t **reserved1**

9.835.1 Detailed Description

Definition at line 140 of file print-pptp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-pptp.c

9.836 pptp_msg_echorq Struct Reference

Public Attributes

- u_int32_t **id**

9.836.1 Detailed Description

Definition at line 136 of file print-pptp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-pptp.c

9.837 pptp_msg_iccn Struct Reference

Public Attributes

- u_int16_t **peer_call_id**
- u_int16_t **reserved1**
- u_int32_t **conn_speed**
- u_int16_t **recv_winsiz**
- u_int16_t **pkt_proc_delay**
- u_int32_t **framing_type**

9.837.1 Detailed Description

Definition at line 196 of file print-pptp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-pptp.c

9.838 pptp_msg_icrp Struct Reference

Public Attributes

- u_int16_t **call_id**
- u_int16_t **peer_call_id**
- u_int8_t **result_code**
- u_int8_t **err_code**
- u_int16_t **recv_winsiz**
- u_int16_t **pkt_proc_delay**
- u_int16_t **reserved1**

9.838.1   Detailed Description

Definition at line 186 of file print-pptp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-pptp.c

9.839   pptp_msg_icrq Struct Reference

Public Attributes

- u_int16_t **call_id**
- u_int16_t **call_ser**
- u_int32_t **bearer_type**
- u_int32_t **phy_chan_id**
- u_int16_t **dialed_no_len**
- u_int16_t **dialing_no_len**
- u_char **dialed_no** [64]
- u_char **dialing_no** [64]
- u_char **subaddr** [64]

9.839.1   Detailed Description

Definition at line 174 of file print-pptp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-pptp.c

9.840   pptp_msg_ocrp Struct Reference

Public Attributes

- u_int16_t **call_id**
- u_int16_t **peer_call_id**
- u_int8_t **result_code**
- u_int8_t **err_code**
- u_int16_t **cause_code**
- u_int32_t **conn_speed**
- u_int16_t **recv_winsiz**
- u_int16_t **pkt_proc_delay**
- u_int32_t **phy_chan_id**

9.840.1 Detailed Description

Definition at line 162 of file print-pptp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-pptp.c

9.841 pptp_msg_ocrq Struct Reference

Public Attributes

- u_int16_t **call_id**
- u_int16_t **call_ser**
- u_int32_t **min_bps**
- u_int32_t **max_bps**
- u_int32_t **bearer_type**
- u_int32_t **framing_type**
- u_int16_t **recv_winsiz**
- u_int16_t **pkt_proc_delay**
- u_int16_t **phone_no_len**
- u_int16_t **reserved1**
- u_char **phone_no** [64]
- u_char **subaddr** [64]

9.841.1 Detailed Description

Definition at line 147 of file print-pptp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-pptp.c

9.842 pptp_msg_sccrp Struct Reference

Public Attributes

- u_int16_t **proto_ver**
- u_int8_t **result_code**
- u_int8_t **err_code**
- u_int32_t **framing_cap**
- u_int32_t **bearer_cap**
- u_int16_t **max_channel**
- u_int16_t **firm_rev**
- u_char **hostname** [64]
- u_char **vendor** [64]

9.842.1   Detailed Description

Definition at line 112 of file print-pptp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-pptp.c

9.843   pptp_msg_sccrq Struct Reference

Public Attributes

- u_int16_t **proto_ver**
- u_int16_t **reserved1**
- u_int32_t **framing_cap**
- u_int32_t **bearer_cap**
- u_int16_t **max_channel**
- u_int16_t **firm_rev**
- u_char **hostname** [64]
- u_char **vendor** [64]

9.843.1   Detailed Description

Definition at line 101 of file print-pptp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-pptp.c

9.844   pptp_msg_sli Struct Reference

Public Attributes

- u_int16_t **peer_call_id**
- u_int16_t **reserved1**
- u_int32_t **send_accm**
- u_int32_t **recv_accm**

9.844.1   Detailed Description

Definition at line 230 of file print-pptp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-pptp.c

9.845 pptp_msg_stopccrp Struct Reference

Public Attributes

- u_int8_t **result_code**
- u_int8_t **err_code**
- u_int16_t **reserved1**

9.845.1 Detailed Description

Definition at line 130 of file print-pptp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-pptp.c

9.846 pptp_msg_stopccrq Struct Reference

Public Attributes

- u_int8_t **reason**
- u_int8_t **reserved1**
- u_int16_t **reserved2**

9.846.1 Detailed Description

Definition at line 124 of file print-pptp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-pptp.c

9.847 pptp_msg_wen Struct Reference

Public Attributes

- u_int16_t **peer_call_id**
- u_int16_t **reserved1**
- u_int32_t **crc_err**
- u_int32_t **framing_err**
- u_int32_t **hardware_overrun**
- u_int32_t **buffer_overrun**
- u_int32_t **timeout_err**
- u_int32_t **align_err**

9.847.1 Detailed Description

Definition at line 219 of file print-pptp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-pptp.c

9.848 pram_fw_version Struct Reference

Public Attributes

- u8 **major**
- u8 **minor**
- u8 **revision**
- u8 **engineering**
- u8 **flags**

9.848.1 Detailed Description

Definition at line 3134 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.849 print_info Struct Reference

Public Attributes

- netdissect_options ∗ **ndo**
- union {
    if_printer **printer**
    if_ndo_printer **ndo_printer**
  } **p**

- int **ndo_type**

9.849.1 Detailed Description

Definition at line 346 of file tcpdump.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/tcpdump.c

9.850 protocol_common_spe Struct Reference

Public Attributes

- struct spe_hdr **hdr**
- struct regpair **phy_address**

9.850.1 Detailed Description

Definition at line 3156 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.851 protoidmem Struct Reference

Public Attributes

- u_int32_t **p_oui**
- u_short **p_proto**
- const char ∗ **p_name**
- struct protoidmem ∗ **p_nxt**

9.851.1 Detailed Description

Definition at line 160 of file addrtoname.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/addrtoname.c

9.852 qp_info Struct Reference

```
#include <bnx2i.h>
```

Public Attributes

- void __iomem ∗ **ctx_base**
- struct sqe ∗ **sq_virt**
- dma_addr_t **sq_phys**
- u32 **sq_mem_size**

- struct [sqe](#) ∗ **sq_prod_qe**
- struct [sqe](#) ∗ **sq_cons_qe**
- struct [sqe](#) ∗ **sq_first_qe**
- struct [sqe](#) ∗ **sq_last_qe**
- u16 **sq_prod_idx**
- u16 **sq_cons_idx**
- u32 **sqe_left**
- void ∗ **sq_pgtbl_virt**
- dma_addr_t **sq_pgtbl_phys**
- u32 **sq_pgtbl_size**
- struct [cqe](#) ∗ **cq_virt**
- dma_addr_t **cq_phys**
- u32 **cq_mem_size**
- struct [cqe](#) ∗ **cq_prod_qe**
- struct [cqe](#) ∗ **cq_cons_qe**
- struct [cqe](#) ∗ **cq_first_qe**
- struct [cqe](#) ∗ **cq_last_qe**
- u16 **cq_prod_idx**
- u16 **cq_cons_idx**
- u32 **cqe_left**
- u32 **cqe_size**
- u32 **cqe_exp_seq_sn**
- void ∗ **cq_pgtbl_virt**
- dma_addr_t **cq_pgtbl_phys**
- u32 **cq_pgtbl_size**
- struct [rqe](#) ∗ **rq_virt**
- dma_addr_t **rq_phys**
- u32 **rq_mem_size**
- struct [rqe](#) ∗ **rq_prod_qe**
- struct [rqe](#) ∗ **rq_cons_qe**
- struct [rqe](#) ∗ **rq_first_qe**
- struct [rqe](#) ∗ **rq_last_qe**
- u16 **rq_prod_idx**
- u16 **rq_cons_idx**
- u32 **rqe_left**
- void ∗ **rq_pgtbl_virt**
- dma_addr_t **rq_pgtbl_phys**
- u32 **rq_pgtbl_size**

9.852.1 Detailed Description

struct qp_info - QP (share queue region) atrributes structure

: ioremapped pci register base to access doorbell register pertaining to this offloaded connection : virtual address of send queue (SQ) region : DMA address of SQ memory region : SQ size : SQ producer entry pointer : SQ consumer entry pointer : virtaul address of first entry in SQ : virtaul address of last entry in SQ : SQ producer index : SQ consumer index : number sq entry left : page table describing buffer consituting SQ region : dma address of 'sq_pgtbl_virt' : SQ page table size : virtual address of completion queue (CQ) region : DMA address of RQ memory region : CQ size : CQ producer entry pointer : CQ consumer entry pointer : virtaul address of first entry in CQ : virtaul address of last entry in CQ : CQ producer index : CQ consumer index : number cq entry left : size of each CQ entry : next expected CQE sequence number : page table describing buffer consituting CQ region : dma address of 'cq_pgtbl_virt' : CQ page table size : virtual address of receive queue (RQ) region : DMA address of RQ memory region : RQ size : RQ producer entry pointer : RQ consumer entry pointer : virtaul address of first entry in RQ : virtaul address of last entry in RQ : RQ producer index : RQ consumer index : number rq entry left : page table describing buffer consituting RQ region : dma address of 'rq_pgtbl_virt' : RQ page table size

queue pair (QP) is a per connection shared data structure which is used to send work requests (SQ), receive completion notifications (CQ) and receive asynchoronous / scsi sense info (RQ). 'qp_info' structure below holds queue memory, consumer/producer indexes and page table information

Definition at line 556 of file bnx2i.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/bnx2i.h

9.853 qual Struct Reference

Public Attributes

- unsigned char **addr**
- unsigned char **proto**
- unsigned char **dir**
- unsigned char **pad**

9.853.1 Detailed Description

Definition at line 264 of file gencode.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/gencode.h
- src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/sfbpf/gencode.h

9.854   radius_attr Struct Reference

Public Attributes

- u_int8_t **type**
- u_int8_t **len**

9.854.1   Detailed Description

Definition at line 155 of file print-radius.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-radius.c

9.855   radius_hdr Struct Reference

Public Attributes

- u_int8_t **code**
- u_int8_t **id**
- u_int16_t **len**
- u_int8_t **auth** [16]

9.855.1   Detailed Description

Definition at line 147 of file print-radius.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-radius.c

9.856   ramrod_data Struct Reference

Public Attributes

- __le32 **data_lo**
- __le32 **data_hi**

9.856.1   Detailed Description

Definition at line 2481 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

  • src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-
    hsi.h

9.857 rate_shaping_counter Struct Reference

Public Attributes

  • u32 **quota**

9.857.1 Detailed Description

Definition at line 3165 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

  • src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-
    hsi.h

9.858 rate_shaping_vars_per_port Struct Reference

Public Attributes

  • u32 **rs_periodic_timeout**
  • u32 **rs_threshold**

9.858.1 Detailed Description

Definition at line 2948 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

  • src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-
    hsi.h

9.859 rate_shaping_vars_per_vn Struct Reference

Public Attributes

  • struct rate_shaping_counter **protocol_counters** [NUM_OF_PROTOCOLS]
  • struct rate_shaping_counter **vn_counter**

9.859.1 Detailed Description

Definition at line 3180 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.860 rates_t Struct Reference

Public Attributes

- u_int8_t **element_id**
- u_int8_t **length**
- u_int8_t **rate** [16]

9.860.1 Detailed Description

Definition at line 153 of file ieee802_11.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ieee802_11.h

9.861 raw_op Struct Reference

Public Attributes

- u32 **op**:8
- u32 **offset**:24
- u32 **raw_data**

9.861.1 Detailed Description

Definition at line 107 of file bnx2x_init.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-init.h

9.862 reg_addr Struct Reference

Public Attributes

- u32 **addr**
- u32 **size**
- u16 **info**

9.862.1 Detailed Description

Definition at line 59 of file bnx2x_dump.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-dump.h

9.863 regpair Struct Reference

Public Attributes

- __le32 **lo**
- __le32 **hi**

9.863.1 Detailed Description

Definition at line 1518 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.864 rerr_unreach Struct Reference

Public Attributes

- u_int32_t **u_da**
- u_int32_t **u_ds**

9.864.1 Detailed Description

Definition at line 117 of file aodv.h.

The documentation for this struct was generated from the following file:

• src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/aodv.h

9.865 res_val Struct Reference

Public Attributes

• u_int8_t **result**
• u_int8_t **resv1**
• u_int16_t **resv2**

9.865.1 Detailed Description

Definition at line 596 of file forces.h.

The documentation for this struct was generated from the following file:

• src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/forces.h

9.866 rhellomsg Struct Reference

Public Attributes

• byte **rh_flags**
• byte **rh_vers**
• byte **rh_eco**
• byte **rh_ueco**
• etheraddr **rh_src**
• byte **rh_info**
• word **rh_blksize**
• byte **rh_priority**
• byte **rh_area**
• word **rh_hello**
• byte **rh_mpd**

9.866.1 Detailed Description

Definition at line 206 of file decnet.h.

The documentation for this struct was generated from the following file:

• src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/decnet.h

9.867 ring_info Struct Reference

Public Attributes

- struct sk_buff ∗ **skb**

9.867.1 Detailed Description

Definition at line 2408 of file tg3.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.102/tg3.h
- src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.99k/tg3.h

9.868 rings_db Struct Reference

Public Attributes

- struct ustorm_iscsi_rq_db **rq**
- struct ustorm_iscsi_r2tq_db **r2tq**
- struct ustorm_iscsi_cq_db **cq** [8]
- struct regpair **cq_pbl_base**

9.868.1 Detailed Description

Definition at line 620 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
  defs.h

9.869 rip Struct Reference

Public Attributes

- u_int8_t **rip_cmd**
- u_int8_t **rip_vers**
- u_int8_t **unused** [2]

9.869.1 Detailed Description

Definition at line 42 of file print-rip.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-rip.c

9.870 rip6 Struct Reference

Public Attributes

- u_int8_t **rip6_cmd**
- u_int8_t **rip6_vers**
- u_int8_t **rip6_res1** [2]
- union {
    struct netinfo6 **ru6_nets** [1]
    char **ru6_tracefile** [1]
  } **rip6un**

9.870.1 Detailed Description

Definition at line 45 of file route6d.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/route6d.h

9.871 rip_netinfo Struct Reference

Public Attributes

- u_int16_t **rip_family**
- u_int16_t **rip_tag**
- u_int32_t **rip_dest**
- u_int32_t **rip_dest_mask**
- u_int32_t **rip_router**
- u_int32_t **rip_metric**

9.871.1 Detailed Description

Definition at line 89 of file print-rip.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-rip.c

9.872 routehdr Union Reference

Public Attributes

- struct shorthdr **rh_short**
- struct longhdr **rh_long**

9.872.1 Detailed Description

Definition at line 87 of file decnet.h.

The documentation for this union was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/decnet.h

9.873 rpcent Struct Reference

Public Attributes

- char ∗ **r_name**
- char ∗∗ **r_aliases**
- int **r_number**

9.873.1 Detailed Description

Definition at line 76 of file netdb.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/Win32/Include/net/netdb.h

9.874 rqe Struct Reference

Public Attributes

- u8 **rqe_byte** [BNX2I_RQ_WQE_SIZE]

9.874.1   Detailed Description

Definition at line 430 of file bnx2i.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/bnx2i.h

9.875   rr_pco_match Struct Reference

Public Attributes

- u_int8_t **rpm_code**
- u_int8_t **rpm_len**
- u_int8_t **rpm_ordinal**
- u_int8_t **rpm_matchlen**
- u_int8_t **rpm_minlen**
- u_int8_t **rpm_maxlen**
- u_int16_t **rpm_reserved**
- struct in6_addr **rpm_prefix**

9.875.1   Detailed Description

Definition at line 420 of file icmp6.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/icmp6.h

9.876   rr_pco_use Struct Reference

Public Attributes

- u_int8_t **rpu_uselen**
- u_int8_t **rpu_keeplen**
- u_int8_t **rpu_ramask**
- u_int8_t **rpu_raflags**
- u_int32_t **rpu_vltime**
- u_int32_t **rpu_pltime**
- u_int32_t **rpu_flags**
- struct in6_addr **rpu_prefix**

9.876.1 Detailed Description

Definition at line 436 of file icmp6.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/icmp6.h

9.877 rr_result Struct Reference

Public Attributes

- u_int16_t **rrr_flags**
- u_int8_t **rrr_ordinal**
- u_int8_t **rrr_matchedlen**
- u_int32_t **rrr_ifid**
- struct in6_addr **rrr_prefix**

9.877.1 Detailed Description

Definition at line 453 of file icmp6.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/icmp6.h

9.878 rrec Struct Reference

Public Attributes

- int16_t **r_zone**
- int16_t **r_class**
- int16_t **r_type**
- u_int32_t **r_ttl**
- int **r_size**
- char ∗ **r_data**

9.878.1 Detailed Description

Definition at line 295 of file nameser.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/Win32/Include/arpa/nameser.h
- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/nameser.h

9.879 rss_update_config Struct Reference

Public Attributes

- u32 **reserved1**

9.879.1 Detailed Description

Definition at line 2641 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.880 rsvp_common_header Struct Reference

Public Attributes

- u_int8_t **version_flags**
- u_int8_t **msg_type**
- u_int8_t **checksum** [2]
- u_int8_t **ttl**
- u_int8_t **reserved**
- u_int8_t **length** [2]

9.880.1 Detailed Description

Definition at line 53 of file print-rsvp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-rsvp.c

9.881 rsvp_obj_frr_t Struct Reference

Public Attributes

- u_int8_t **setup_prio**
- u_int8_t **hold_prio**
- u_int8_t **hop_limit**
- u_int8_t **flags**
- u_int8_t **bandwidth** [4]
- u_int8_t **include_any** [4]

- u_int8_t **exclude_any** [4]
- u_int8_t **include_all** [4]

9.881.1   Detailed Description

Definition at line 315 of file print-rsvp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-rsvp.c

9.882   rsvp_obj_integrity_t Struct Reference

Public Attributes

- u_int8_t **flags**
- u_int8_t **res**
- u_int8_t **key_id** [6]
- u_int8_t **sequence** [8]
- u_int8_t **digest** [16]

9.882.1   Detailed Description

Definition at line 302 of file print-rsvp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-rsvp.c

9.883   rsvp_object_header Struct Reference

Public Attributes

- u_int8_t **length** [2]
- u_int8_t **class_num**
- u_int8_t **ctype**

9.883.1   Detailed Description

Definition at line 76 of file print-rsvp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-rsvp.c

9.884   rtcp_rr Struct Reference

Public Attributes

- u_int32_t **rr_srcid**
- u_int32_t **rr_nl**
- u_int32_t **rr_ls**
- u_int32_t **rr_dv**
- u_int32_t **rr_lsr**
- u_int32_t **rr_dlsr**

9.884.1   Detailed Description

Definition at line 85 of file print-udp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-udp.c

9.885   rtcp_sr Struct Reference

Public Attributes

- ntp64 **sr_ntp**
- u_int32_t **sr_ts**
- u_int32_t **sr_np**
- u_int32_t **sr_nb**

9.885.1   Detailed Description

Definition at line 74 of file print-udp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-udp.c

9.886   rtcphdr Struct Reference

Public Attributes

- u_int16_t **rh_flags**
- u_int16_t **rh_len**
- u_int32_t **rh_ssrc**

9.886.1 Detailed Description

Definition at line 60 of file print-udp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-udp.c

9.887 rx_ackPacket Struct Reference

Public Attributes

- u_int16_t **bufferSpace**
- u_int16_t **maxSkew**
- u_int32_t **firstPacket**
- u_int32_t **previousPacket**
- u_int32_t **serial**
- u_int8_t **reason**
- u_int8_t **nAcks**
- u_int8_t **acks** [RX_MAXACKS]

9.887.1 Detailed Description

Definition at line 96 of file rx.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/rx.h

9.888 rx_bd Struct Reference

Public Attributes

- u32 **rx_bd_haddr_hi**
- u32 **rx_bd_haddr_lo**
- u32 **rx_bd_len**
- u32 **rx_bd_flags**

9.888.1 Detailed Description

Definition at line 956 of file bnx2.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/bnx2.h

9.889   rx_cache_entry Struct Reference

Public Attributes

- u_int32_t **callnum**
- struct in_addr **client**
- struct in_addr **server**
- int **dport**
- u_short **serviceId**
- u_int32_t **opcode**

9.889.1   Detailed Description

Definition at line 402 of file print-rx.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-rx.c

9.890   RX_ELEMENT Struct Reference

Public Attributes

- WORD **firstCount**
- WORD **secondCount**
- WORD **handle**
- ETHER **destin**
- ETHER **source**
- WORD **proto**
- BYTE **data** [RX_BUF_SIZE]

9.890.1   Detailed Description

Definition at line 91 of file pktdrvr.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/msdos/pktdrvr.h

9.891   rx_header Struct Reference

Public Attributes

- u_int32_t **epoch**

- u_int32_t **cid**
- u_int32_t **callNumber**
- u_int32_t **seq**
- u_int32_t **serial**
- u_int8_t **type**
- u_int8_t **flags**
- u_int8_t **userStatus**
- u_int8_t **securityIndex**
- u_int16_t **spare**
- u_int16_t **serviceId**

9.891.1 Detailed Description

Definition at line 59 of file rx.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/rx.h

9.892 s_fixedpt Struct Reference

Public Attributes

- u_int16_t **int_part**
- u_int16_t **fraction**

9.892.1 Detailed Description

Definition at line 35 of file ntp.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ntp.h

9.893 safc_struct_per_port Struct Reference

Public Attributes

- u16 **cos_to_pause_mask** [NUM_OF_SAFC_BITS]

9.893.1 Detailed Description

Definition at line 2965 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.894 sctpChunkDesc Struct Reference

Public Attributes

- u_int8_t **chunkID**
- u_int8_t **chunkFlg**
- u_int16_t **chunkLength**

9.894.1 Detailed Description

Definition at line 71 of file sctpHeader.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/sctpHeader.h

9.895 sctpCookiePreserve Struct Reference

Public Attributes

- struct sctpParamDesc **p**
- u_int32_t **extraTime**

9.895.1 Detailed Description

Definition at line 129 of file sctpHeader.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/sctpHeader.h

9.896 sctpCWR Struct Reference

Public Attributes

- struct sctpChunkDesc **uh**

- u_int32_t **TSN_reduced_at**

9.896.1 Detailed Description

Definition at line 314 of file sctpHeader.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/sctpHeader.h

9.897 sctpDataPart Struct Reference

Public Attributes

- u_int32_t **TSN**
- u_int16_t **streamId**
- u_int16_t **sequence**
- u_int32_t **payloadtype**

9.897.1 Detailed Description

Definition at line 296 of file sctpHeader.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/sctpHeader.h

9.898 sctpDNSName Struct Reference

Public Attributes

- struct sctpParamDesc **param**
- u_int8_t **name** [1]

9.898.1 Detailed Description

Definition at line 123 of file sctpHeader.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/sctpHeader.h

9.899 sctpECN_echo Struct Reference

Public Attributes

- struct sctpChunkDesc **uh**
- u_int32_t **Lowest_TSN**

9.899.1 Detailed Description

Definition at line 308 of file sctpHeader.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/sctpHeader.h

9.900 sctpHBrequest Struct Reference

Public Attributes

- u_int32_t **time_value_1**
- u_int32_t **time_value_2**

9.900.1 Detailed Description

Definition at line 203 of file sctpHeader.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/sctpHeader.h

9.901 sctpHBsender Struct Reference

Public Attributes

- struct sctpChunkDesc **hdr**
- struct sctpParamDesc **hb**
- struct sctpHBrequest **rtt**
- int8_t **addrFmt** [SCTP_ADDRMAX]
- u_int16_t **userreq**

9.901.1 Detailed Description

Definition at line 216 of file sctpHeader.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/sctpHeader.h

9.902 sctpHBunified Struct Reference

Public Attributes

- struct sctpChunkDesc **hdr**
- struct sctpParamDesc **hb**

9.902.1 Detailed Description

Definition at line 209 of file sctpHeader.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/sctpHeader.h

9.903 sctpHeader Struct Reference

Public Attributes

- u_int16_t **source**
- u_int16_t **destination**
- u_int32_t **verificationTag**
- u_int32_t **adler32**

9.903.1 Detailed Description

Definition at line 62 of file sctpHeader.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/sctpHeader.h

9.904 sctpInitiation Struct Reference

Public Attributes

- u_int32_t **initTag**

- u_int32_t **rcvWindowCredit**
- u_int16_t **NumPreopenStreams**
- u_int16_t **MaxInboundStreams**
- u_int32_t **initialTSN**

9.904.1 Detailed Description

Definition at line 103 of file sctpHeader.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/sctpHeader.h

9.905 sctpOpErrorCause Struct Reference

Public Attributes

- u_int16_t **cause**
- u_int16_t **causeLen**

9.905.1 Detailed Description

Definition at line 262 of file sctpHeader.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/sctpHeader.h

9.906 sctpParamDesc Struct Reference

Public Attributes

- u_int16_t **paramType**
- u_int16_t **paramLength**

9.906.1 Detailed Description

Definition at line 77 of file sctpHeader.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/sctpHeader.h

9.907 sctpRelChunkDesc Struct Reference

Public Attributes

- struct sctpChunkDesc **chk**
- u_int32_t **serialNumber**

9.907.1 Detailed Description

Definition at line 83 of file sctpHeader.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/sctpHeader.h

9.908 sctpSelectiveAck Struct Reference

Public Attributes

- u_int32_t **highestConseqTSN**
- u_int32_t **updatedRwnd**
- u_int16_t **numberOfdesc**
- u_int16_t **numDupTsns**

9.908.1 Detailed Description

Definition at line 181 of file sctpHeader.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/sctpHeader.h

9.909 sctpSelectiveFrag Struct Reference

Public Attributes

- u_int16_t **fragmentStart**
- u_int16_t **fragmentEnd**

9.909.1 Detailed Description

Definition at line 188 of file sctpHeader.h.

The documentation for this struct was generated from the following file:

• src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/sctpHeader.h

9.910 sctpSendableInit Struct Reference

Public Attributes

• struct sctpHeader **mh**
• struct sctpUnifiedInit **msg**

9.910.1 Detailed Description

Definition at line 168 of file sctpHeader.h.

The documentation for this struct was generated from the following file:

• src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/sctpHeader.h

9.911 sctpShutdown Struct Reference

Public Attributes

• u_int32_t **TSN_Seen**

9.911.1 Detailed Description

Definition at line 249 of file sctpHeader.h.

The documentation for this struct was generated from the following file:

• src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/sctpHeader.h

9.912 sctpTimeStamp Struct Reference

Public Attributes

• u_int32_t **ts_sec**
• u_int32_t **ts_usec**

9.912.1 Detailed Description

Definition at line 135 of file sctpHeader.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/sctpHeader.h

9.913 sctpUnifiedAbort Struct Reference

Public Attributes

- struct sctpChunkDesc **uh**

9.913.1 Detailed Description

Definition at line 230 of file sctpHeader.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/sctpHeader.h

9.914 sctpUnifiedAbortHeavy Struct Reference

Public Attributes

- struct sctpHeader **mh**
- struct sctpChunkDesc **uh**
- u_int16_t **causeCode**
- u_int16_t **causeLen**

9.914.1 Detailed Description

Definition at line 239 of file sctpHeader.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/sctpHeader.h

9.915 sctpUnifiedAbortLight Struct Reference

Public Attributes

- struct sctpHeader **mh**
- struct sctpChunkDesc **uh**

9.915.1 Detailed Description

Definition at line 234 of file sctpHeader.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/sctpHeader.h

9.916 sctpUnifiedDatagram Struct Reference

Public Attributes

- struct sctpChunkDesc **uh**
- struct sctpDataPart **dp**

9.916.1 Detailed Description

Definition at line 303 of file sctpHeader.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/sctpHeader.h

9.917 sctpUnifiedInit Struct Reference

Public Attributes

- struct sctpChunkDesc **uh**
- struct sctpInitiation **initm**

9.917.1 Detailed Description

Definition at line 163 of file sctpHeader.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/sctpHeader.h

9.918 sctpUnifiedOpError Struct Reference

Public Attributes

- struct sctpChunkDesc **uh**
- struct sctpOpErrorCause **c**

9.918.1 Detailed Description

Definition at line 267 of file sctpHeader.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/sctpHeader.h

9.919 sctpUnifiedSack Struct Reference

Public Attributes

- struct sctpChunkDesc **uh**
- struct sctpSelectiveAck **sack**

9.919.1 Detailed Description

Definition at line 194 of file sctpHeader.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/sctpHeader.h

9.920 sctpUnifiedShutdown Struct Reference

Public Attributes

- struct sctpChunkDesc **uh**
- struct sctpShutdown **shut**

9.920.1 Detailed Description

Definition at line 253 of file sctpHeader.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/sctpHeader.h

9.921 sctpUnifiedSingleMsg Struct Reference

Public Attributes

- struct sctpHeader **mh**
- struct sctpChunkDesc **uh**

9.921.1 Detailed Description

Definition at line 291 of file sctpHeader.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/sctpHeader.h

9.922 sctpUnifiedStreamError Struct Reference

Public Attributes

- struct sctpHeader **mh**
- struct sctpChunkDesc **uh**
- struct sctpOpErrorCause **c**
- u_int16_t **strmNum**
- u_int16_t **reserved**

9.922.1 Detailed Description

Definition at line 272 of file sctpHeader.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/sctpHeader.h

9.923 sctpV4IpAddress Struct Reference

Public Attributes

- struct sctpParamDesc **p**
- u_int32_t **ipAddress**

9.923.1 Detailed Description

Definition at line 112 of file sctpHeader.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/sctpHeader.h

9.924 sctpV6IpAddress Struct Reference

Public Attributes

- struct sctpParamDesc **p**
- u_int8_t **ipAddress** [16]

9.924.1 Detailed Description

Definition at line 118 of file sctpHeader.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/sctpHeader.h

9.925 sctpVendorSpecificParam Struct Reference

Public Attributes

- struct sctpParamDesc **p**
- u_int32_t **vendorId**
- u_int16_t **vendorSpecificType**
- u_int16_t **vendorSpecificLen**

9.925.1 Detailed Description

Definition at line 88 of file sctpHeader.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/sctpHeader.h

9.926 section_header_block Struct Reference

Public Attributes

- bpf_u_int32 **byte_order_magic**
- u_short **major_version**
- u_short **minor_version**
- u_int64_t **section_length**

9.926.1 Detailed Description

Definition at line 106 of file sf-pcap-ng.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/sf-pcap-ng.c

9.927 seghdr Struct Reference

Public Attributes

- byte **sh_flags**
- word **sh_dst**
- word **sh_src**
- word **sh_seq** [3]

9.927.1 Detailed Description

Definition at line 371 of file decnet.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/decnet.h

9.928 sfbpf_insn Struct Reference

Public Attributes

- u_short **code**
- u_char **jt**
- u_char **jf**
- sfbpf_u_int32 **k**

9.928.1 Detailed Description

Definition at line 169 of file sfbpf.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/sfbpf/sfbpf.h

---

9.929 sfbpf_program Struct Reference

Public Attributes

- u_int **bf_len**
- struct sfbpf_insn ∗ **bf_insns**

9.929.1 Detailed Description

Definition at line 84 of file sfbpf.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/sfbpf/sfbpf.h

9.930 sfbpf_version Struct Reference

Public Attributes

- u_short **bv_major**
- u_short **bv_minor**

9.930.1 Detailed Description

Definition at line 100 of file sfbpf.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/sfbpf/sfbpf.h

9.931 sflow_100basevg_counter_t Struct Reference

Public Attributes

- u_int8_t **in_highpriority_frames** [4]
- u_int8_t **in_highpriority_octets** [8]
- u_int8_t **in_normpriority_frames** [4]
- u_int8_t **in_normpriority_octets** [8]
- u_int8_t **in_ipmerrors** [4]
- u_int8_t **in_oversized** [4]
- u_int8_t **in_data_errors** [4]
- u_int8_t **in_null_addressed_frames** [4]
- u_int8_t **out_highpriority_frames** [4]
- u_int8_t **out_highpriority_octets** [8]

- u_int8_t **transitioninto_frames** [4]
- u_int8_t **hc_in_highpriority_octets** [8]
- u_int8_t **hc_in_normpriority_octets** [8]
- u_int8_t **hc_out_highpriority_octets** [8]

9.931.1 Detailed Description

Definition at line 236 of file print-sflow.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-sflow.c

9.932 sflow_datagram_t Struct Reference

Public Attributes

- u_int8_t **version** [4]
- u_int8_t **ip_version** [4]
- u_int8_t **agent** [4]
- u_int8_t **agent_id** [4]
- u_int8_t **seqnum** [4]
- u_int8_t **uptime** [4]
- u_int8_t **samples** [4]

9.932.1 Detailed Description

Definition at line 62 of file print-sflow.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-sflow.c

9.933 sflow_ethernet_counter_t Struct Reference

Public Attributes

- u_int8_t **alignerrors** [4]
- u_int8_t **fcserrors** [4]
- u_int8_t **single_collision_frames** [4]
- u_int8_t **multiple_collision_frames** [4]
- u_int8_t **test_errors** [4]
- u_int8_t **deferred_transmissions** [4]
- u_int8_t **late_collisions** [4]

- u_int8_t **excessive_collisions** [4]
- u_int8_t **mac_transmit_errors** [4]
- u_int8_t **carrier_sense_errors** [4]
- u_int8_t **frame_too_longs** [4]
- u_int8_t **mac_receive_errors** [4]
- u_int8_t **symbol_errors** [4]

9.933.1 Detailed Description

Definition at line 220 of file print-sflow.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-sflow.c

9.934 sflow_expanded_counter_sample_t Struct Reference

Public Attributes

- u_int8_t **seqnum** [4]
- u_int8_t **type** [4]
- u_int8_t **index** [4]
- u_int8_t **records** [4]

9.934.1 Detailed Description

Definition at line 159 of file print-sflow.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-sflow.c

9.935 sflow_expanded_flow_raw_t Struct Reference

Public Attributes

- u_int8_t **protocol** [4]
- u_int8_t **length** [4]
- u_int8_t **stripped_bytes** [4]
- u_int8_t **header_size** [4]

9.935.1 Detailed Description

Definition at line 152 of file print-sflow.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-sflow.c

9.936 sflow_expanded_flow_sample_t Struct Reference

Public Attributes

- u_int8_t **seqnum** [4]
- u_int8_t **type** [4]
- u_int8_t **index** [4]
- u_int8_t **rate** [4]
- u_int8_t **pool** [4]
- u_int8_t **drops** [4]
- u_int8_t **in_interface_format** [4]
- u_int8_t **in_interface_value** [4]
- u_int8_t **out_interface_format** [4]
- u_int8_t **out_interface_value** [4]
- u_int8_t **records** [4]

9.936.1 Detailed Description

Definition at line 90 of file print-sflow.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-sflow.c

9.937 sflow_generic_counter_t Struct Reference

Public Attributes

- u_int8_t **ifindex** [4]
- u_int8_t **iftype** [4]
- u_int8_t **ifspeed** [8]
- u_int8_t **ifdirection** [4]
- u_int8_t **ifstatus** [4]
- u_int8_t **ifinoctets** [8]
- u_int8_t **ifinunicastpkts** [4]
- u_int8_t **ifinmulticastpkts** [4]
- u_int8_t **ifinbroadcastpkts** [4]

- u_int8_t **ifindiscards** [4]
- u_int8_t **ifinerrors** [4]
- u_int8_t **ifinunkownprotos** [4]
- u_int8_t **ifoutoctets** [8]
- u_int8_t **ifoutunicastpkts** [4]
- u_int8_t **ifoutmulticastpkts** [4]
- u_int8_t **ifoutbroadcastpkts** [4]
- u_int8_t **ifoutdiscards** [4]
- u_int8_t **ifouterrors** [4]
- u_int8_t **ifpromiscmode** [4]

9.937.1 Detailed Description

Definition at line 198 of file print-sflow.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-sflow.c

9.938 sflow_sample_header Struct Reference

Public Attributes

- u_int8_t **format** [4]
- u_int8_t **len** [4]

9.938.1 Detailed Description

Definition at line 72 of file print-sflow.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-sflow.c

9.939 sflow_vlan_counter_t Struct Reference

Public Attributes

- u_int8_t **vlan_id** [4]
- u_int8_t **octets** [8]
- u_int8_t **unicast_pkt** [4]
- u_int8_t **multicast_pkt** [4]
- u_int8_t **broadcast_pkt** [4]
- u_int8_t **discards** [4]

9.939.1 Detailed Description

Definition at line 253 of file print-sflow.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-sflow.c

9.940 shared_feat_cfg Struct Reference

Public Attributes

- u32 **config**

9.940.1 Detailed Description

Definition at line 348 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.941 shared_hw_cfg Struct Reference

Public Attributes

- u8 **part_num** [16]
- u32 **config**
- u32 **config2**
- u32 **power_dissipated**
- u32 **ump_nc_si_config**
- u32 **board**
- u32 **reserved**

9.941.1 Detailed Description

Definition at line 32 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.942   shared_mf_cfg Struct Reference

Public Attributes

- u32 **clp_mb**

9.942.1   Detailed Description

Definition at line 852 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.943   shm_dev_info Struct Reference

Public Attributes

- u32 **bc_rev**
- struct [shared_hw_cfg](#) **shared_hw_config**
- struct [port_hw_cfg](#) **port_hw_config** [PORT_MAX]
- struct [shared_feat_cfg](#) **shared_feature_config**
- struct [port_feat_cfg](#) **port_feature_config** [PORT_MAX]

9.943.1   Detailed Description

Definition at line 588 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.944   shmem2_region Struct Reference

Public Attributes

- u32 **size**
- u32 **dcc_support**

9.944.1 Detailed Description

Definition at line 978 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.945 shmem_region Struct Reference

Public Attributes

- u32 **validity_map** [PORT_MAX]
- struct [shm_dev_info] **dev_info**
- struct [license_key] **drv_lic_key** [PORT_MAX]
- u32 **fw_info_fio_offset**
- struct [mgmtfw_state] **mgmtfw_state**
- struct [drv_port_mb] **port_mb** [PORT_MAX]
- struct [drv_func_mb] **func_mb** [E1H_FUNC_MAX]
- struct [mf_cfg] **mf_cfg**

9.945.1 Detailed Description

Definition at line 933 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.946 shorthdr Struct Reference

Public Attributes

- byte **sh_flags**
- word **sh_dst**
- word **sh_src**
- byte **sh_visits**

9.946.1 Detailed Description

Definition at line 64 of file decnet.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/decnet.h

9.947 silicom_redirector_hw_rule Struct Reference

Public Attributes

- silicom_redirector_rule_type **rule_type**
- u_int8_t **rule_port**
- u_int8_t **rule_target_port**
- u_int16_t **vlan_id_low**
- u_int16_t **vlan_id_high**
- u_int8_t **l3_proto**
- ip_addr **src_addr**
- ip_addr **dst_addr**
- u_int32_t **src_mask**
- u_int32_t **dst_mask**
- u_int16_t **src_port_low**
- u_int16_t **src_port_high**
- u_int16_t **dst_port_low**
- u_int16_t **dst_port_high**

9.947.1 Detailed Description

Definition at line 347 of file pf_ring.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/kernel/linux/pf_ring.h

9.948 simple_packet_block Struct Reference

Public Attributes

- bpf_u_int32 **len**

9.948.1 Detailed Description

Definition at line 173 of file sf-pcap-ng.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/sf-pcap-ng.c

9.949   simple_stats Struct Reference

Public Attributes

- u_int64_t **num_pkts**
- u_int64_t **num_bytes**

9.949.1   Detailed Description

Definition at line 24 of file dummy_plugin.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/kernel/plugins/dummy_plugin.h
- src/extern/PF_RING-4.7.0/legacy/kernel/net/ring/plugins/dummy_plugin.c
- src/extern/PF_RING-4.7.0/userland/c++/pf_test.cpp

9.950   slist Struct Reference

Public Attributes

- struct stmt **s**
- struct slist ∗ **next**

9.950.1   Detailed Description

Definition at line 201 of file gencode.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/gencode.h
- src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/sfbpf/gencode.h

9.951   sll_header Struct Reference

Public Attributes

- u_int16_t **sll_pkttype**
- u_int16_t **sll_hatype**
- u_int16_t **sll_halen**
- u_int8_t **sll_addr** [SLL_ADDRLEN]
- u_int16_t **sll_protocol**

9.951.1 Detailed Description

Definition at line 85 of file sll.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap/sll.h
- src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/sfbpf/sll.h
- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/sll.h

9.952 slow_common_header_t Struct Reference

Public Attributes

- u_int8_t **proto_subtype**
- u_int8_t **version**

9.952.1 Detailed Description

Definition at line 42 of file print-slow.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-slow.c

9.953 slow_oam_info_t Struct Reference

Public Attributes

- u_int8_t **info_type**
- u_int8_t **info_length**
- u_int8_t **oam_version**
- u_int8_t **revision** [2]
- u_int8_t **state**
- u_int8_t **oam_config**
- u_int8_t **oam_pdu_config** [2]
- u_int8_t **oui** [3]
- u_int8_t **vendor_private** [4]

9.953.1 Detailed Description

Definition at line 89 of file print-slow.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-slow.c

9.954 slow_oam_link_event_t Struct Reference

Public Attributes

- u_int8_t **event_type**
- u_int8_t **event_length**
- u_int8_t **time_stamp** [2]
- u_int8_t **window** [8]
- u_int8_t **threshold** [8]
- u_int8_t **errors** [8]
- u_int8_t **errors_running_total** [8]
- u_int8_t **event_running_total** [4]

9.954.1 Detailed Description

Definition at line 159 of file print-slow.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-slow.c

9.955 slow_oam_loopbackctrl_t Struct Reference

Public Attributes

- u_int8_t **command**

9.955.1 Detailed Description

Definition at line 181 of file print-slow.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-slow.c

9.956 slow_oam_variablerequest_t Struct Reference

Public Attributes

- u_int8_t **branch**
- u_int8_t **leaf** [2]

9.956.1   Detailed Description

Definition at line 170 of file print-slow.c.

The documentation for this struct was generated from the following file:

  - src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-slow.c

9.957   slow_oam_variableresponse_t Struct Reference

Public Attributes

  - u_int8_t **branch**
  - u_int8_t **leaf** [2]
  - u_int8_t **length**

9.957.1   Detailed Description

Definition at line 175 of file print-slow.c.

The documentation for this struct was generated from the following file:

  - src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-slow.c

9.958   slow_path_element Struct Reference

Public Attributes

  - struct spe_hdr **hdr**
  - u8 **protocol_data** [8]

9.958.1   Detailed Description

Definition at line 3189 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

  - src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-
    hsi.h

9.959   smbdescript Struct Reference

Public Attributes

  - const char ∗ **req_f1**

- const char ∗ **req_f2**
- const char ∗ **rep_f1**
- const char ∗ **rep_f2**
- void(∗ **fn**)(const u_char ∗, const u_char ∗, const u_char ∗, const u_char ∗)

9.959.1 Detailed Description

Definition at line 32 of file print-smb.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-smb.c

9.960 smbdescriptint Struct Reference

Public Attributes

- const char ∗ **req_f1**
- const char ∗ **req_f2**
- const char ∗ **rep_f1**
- const char ∗ **rep_f2**
- void(∗ **fn**)(const u_char ∗, const u_char ∗, int, int)

9.960.1 Detailed Description

Definition at line 40 of file print-smb.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-smb.c

9.961 smbfns Struct Reference

Public Attributes

- int **id**
- const char ∗ **name**
- int **flags**
- struct smbdescript **descript**

9.961.1 Detailed Description

Definition at line 48 of file print-smb.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-smb.c

9.962 smbfnsint Struct Reference

Public Attributes

- int **id**
- const char ∗ **name**
- int **flags**
- struct smbdescriptint **descript**

9.962.1 Detailed Description

Definition at line 56 of file print-smb.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-smb.c

9.963 sockaddr_storage Struct Reference

Public Attributes

- u_int8_t **__ss_family**
- u_int8_t **fill** [127]
- u_int8_t **ss_family**

9.963.1 Detailed Description

Definition at line 29 of file sockstorage.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/Win32/Include/sockstorage.h
- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/missing/sockstorage.h

9.964   sockinet Struct Reference

Public Attributes

- u_char **si_len**
- u_char **si_family**
- u_short **si_port**
- u_int32_t **si_scope_id**

9.964.1   Detailed Description

Definition at line 116 of file getaddrinfo.c.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/Win32/Src/getaddrinfo.c
- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/missing/getnameinfo.c

9.965   spe_hdr Struct Reference

Public Attributes

- __le32 **conn_and_cmd_data**
- __le16 **type**
- __le16 **reserved**

9.965.1   Detailed Description

Definition at line 2538 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-
hsi.h

9.966   sqe Struct Reference

Public Attributes

- u8 **sqe_byte** [BNX2I_SQ_WQE_SIZE]

9.966.1 Detailed Description

Definition at line 426 of file bnx2i.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-05/driver/bnx2i.h

9.967 ssid_t Struct Reference

Public Attributes

- u_int8_t **element_id**
- u_int8_t **length**
- u_char **ssid** [33]

9.967.1 Detailed Description

Definition at line 147 of file ieee802_11.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ieee802_11.h

9.968 staleCookieMsg Struct Reference

Public Attributes

- struct sctpHeader **mh**
- struct sctpChunkDesc **uh**
- struct sctpOpErrorCause **c**
- u_int32_t **moretime**

9.968.1 Detailed Description

Definition at line 280 of file sctpHeader.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/sctpHeader.h

9.969 state Struct Reference

Public Attributes

- unsigned char * **str**
- unsigned char * **s**
- unsigned char * **theend**
- size_t **sz**
- size_t **max_sz**
- int(* **append_char**)(struct state *, unsigned char)
- int(* **reserve**)(struct state *, size_t)

9.969.1 Detailed Description

Definition at line 66 of file snprintf.c.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/missing/snprintf.c
- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/missing/snprintf.c

9.970 statistics_block Struct Reference

Public Attributes

- u32 **stat_IfHCInOctets_hi**
- u32 **stat_IfHCInOctets_lo**
- u32 **stat_IfHCInBadOctets_hi**
- u32 **stat_IfHCInBadOctets_lo**
- u32 **stat_IfHCOutOctets_hi**
- u32 **stat_IfHCOutOctets_lo**
- u32 **stat_IfHCOutBadOctets_hi**
- u32 **stat_IfHCOutBadOctets_lo**
- u32 **stat_IfHCInUcastPkts_hi**
- u32 **stat_IfHCInUcastPkts_lo**
- u32 **stat_IfHCInMulticastPkts_hi**
- u32 **stat_IfHCInMulticastPkts_lo**
- u32 **stat_IfHCInBroadcastPkts_hi**
- u32 **stat_IfHCInBroadcastPkts_lo**
- u32 **stat_IfHCOutUcastPkts_hi**
- u32 **stat_IfHCOutUcastPkts_lo**
- u32 **stat_IfHCOutMulticastPkts_hi**
- u32 **stat_IfHCOutMulticastPkts_lo**
- u32 **stat_IfHCOutBroadcastPkts_hi**
- u32 **stat_IfHCOutBroadcastPkts_lo**

- u32 **stat_emac_tx_stat_dot3statsinternalmactransmiterrors**
- u32 **stat_Dot3StatsCarrierSenseErrors**
- u32 **stat_Dot3StatsFCSErrors**
- u32 **stat_Dot3StatsAlignmentErrors**
- u32 **stat_Dot3StatsSingleCollisionFrames**
- u32 **stat_Dot3StatsMultipleCollisionFrames**
- u32 **stat_Dot3StatsDeferredTransmissions**
- u32 **stat_Dot3StatsExcessiveCollisions**
- u32 **stat_Dot3StatsLateCollisions**
- u32 **stat_EtherStatsCollisions**
- u32 **stat_EtherStatsFragments**
- u32 **stat_EtherStatsJabbers**
- u32 **stat_EtherStatsUndersizePkts**
- u32 **stat_EtherStatsOverrsizePkts**
- u32 **stat_EtherStatsPktsRx64Octets**
- u32 **stat_EtherStatsPktsRx65Octetsto127Octets**
- u32 **stat_EtherStatsPktsRx128Octetsto255Octets**
- u32 **stat_EtherStatsPktsRx256Octetsto511Octets**
- u32 **stat_EtherStatsPktsRx512Octetsto1023Octets**
- u32 **stat_EtherStatsPktsRx1024Octetsto1522Octets**
- u32 **stat_EtherStatsPktsRx1523Octetsto9022Octets**
- u32 **stat_EtherStatsPktsTx64Octets**
- u32 **stat_EtherStatsPktsTx65Octetsto127Octets**
- u32 **stat_EtherStatsPktsTx128Octetsto255Octets**
- u32 **stat_EtherStatsPktsTx256Octetsto511Octets**
- u32 **stat_EtherStatsPktsTx512Octetsto1023Octets**
- u32 **stat_EtherStatsPktsTx1024Octetsto1522Octets**
- u32 **stat_EtherStatsPktsTx1523Octetsto9022Octets**
- u32 **stat_XonPauseFramesReceived**
- u32 **stat_XoffPauseFramesReceived**
- u32 **stat_OutXonSent**
- u32 **stat_OutXoffSent**
- u32 **stat_FlowControlDone**
- u32 **stat_MacControlFramesReceived**
- u32 **stat_XoffStateEntered**
- u32 **stat_IfInFramesL2FilterDiscards**
- u32 **stat_IfInRuleCheckerDiscards**
- u32 **stat_IfInFTQDiscards**
- u32 **stat_IfInMBUFDiscards**
- u32 **stat_IfInRuleCheckerP4Hit**
- u32 **stat_CatchupInRuleCheckerDiscards**
- u32 **stat_CatchupInFTQDiscards**
- u32 **stat_CatchupInMBUFDiscards**
- u32 **stat_CatchupInRuleCheckerP4Hit**
- u32 **stat_GenStat00**
- u32 **stat_GenStat01**

- u32 **stat_GenStat02**
- u32 **stat_GenStat03**
- u32 **stat_GenStat04**
- u32 **stat_GenStat05**
- u32 **stat_GenStat06**
- u32 **stat_GenStat07**
- u32 **stat_GenStat08**
- u32 **stat_GenStat09**
- u32 **stat_GenStat10**
- u32 **stat_GenStat11**
- u32 **stat_GenStat12**
- u32 **stat_GenStat13**
- u32 **stat_GenStat14**
- u32 **stat_GenStat15**
- u32 **stat_FwRxDrop**

9.970.1 Detailed Description

Definition at line 1094 of file bnx2.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/bnx2.h

9.971 stats_indication_flags Struct Reference

Public Attributes

- u32 **collect_eth**
- u32 **collect_toe**

9.971.1 Detailed Description

Definition at line 3198 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.972 StatsWriter Class Reference

```
#include <stats_writer.h>
```

Inheritance diagram for StatsWriter:

```
┌─────────────┐
│   Threaded  │
└─────────────┘
        ▲
        │
┌─────────────┐
│  StatsWriter │
└─────────────┘
```
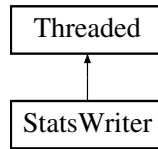
Public Member Functions

- StatsWriter (const int id, const std::string &stats_file, const int stats_interval, const double command_interval)
- virtual ∼StatsWriter ()

    Destructor.
- virtual void start ()

    Start the main processing loop run() in its own thread of execution.
- virtual void join ()

    Wait for the main processing loop/thread to exit.
- virtual void cmd_stop ()
- void cmd_write_to_disk ()
- void update (const boost::uint64_t &packets, const boost::uint64_t &bytes, const boost::uint64_t &dropped_packets, const boost::uint64_t &buffer_size)

Protected Types

- enum { **IDLE**, **WRITE_TO_DISK**, **STOP** }

    The state of the object.

Protected Member Functions

- virtual void run ()

    Main processing loop.
- virtual void handle_stop ()
- virtual void handle_idle ()

    Command handler. Handles the IDLE state.
- virtual void handle_write_to_disk ()

Protected Attributes

- const int _stats_interval

    The interval between internal statistics updates and dumps to disk.
- boost::uint64_t _num_packets

    The total number of packets that have been processed so far.
- boost::uint64_t _num_bytes

    The total number of bytes that have been processed so far.

- boost::uint64_t _dropped_packets

    The number of dropped packets.

- boost::uint64_t _buffer_size

    The size of the file buffer.

- std::ofstream _stats_stream

    Nicely formatted statistics output (useful for real-time stats output).

- std::ofstream _csv_stream

    CSV formatted statistics dump for postprocessing.

- enum StatsWriter:: { ... } **_state**

- boost::mutex _mutex

    Mutex for serializing multi-threaded access to shared resources.

- struct timeval _start_time

    The time logging was started.

- struct timeval _last_time

    The most recent statistics update time.

- double _average_packet_rate

    The exponentially weighted moving average packet rate.

- double _average_byte_rate

    The exponentially weighted moving average byte rate.

- boost::uint64_t _last_num_packets

- boost::uint64_t _last_num_bytes

- long _interval

- const double _ALPHA

    The parameter used in the exponentially weighted moving average.

- const double _BPS_TO_MBPS

    A constant that converts from BPS to MBPS.

- const int _PAGE_LENGTH

9.972.1 Detailed Description

Todo

    Track this down and fix.

This class maintains counters, averages, etc. for tracking the statistics of a monitored object. The monitored object periodically calls the update() method which then updates the statistics counters etc. and then updates instantaneous, exponentially averaged, and long term statistics. Periodically, the data are written out to a CSV file with a name that is unique to the monitored object.

Definition at line 50 of file stats_writer.h.

9.972.2 Constructor & Destructor Documentation

9.972.2.1 StatsWriter::StatsWriter (const int *id,* const std::string & *stats_file,* const int *stats_interval,* const double *command_interval*)

Constructor.

Parameters

id	A unique id for this object. Used for logging.
stats_file	The name of the statistics CSV file.
command_- *interval*	The main executin thread in run() will attempt to check for new commands every command_interval seconds. The actual interval between checks may be larger than this if the execution thread spends longer than command_-interval processing individual tasks.

Definition at line 44 of file stats_writer.cc.

```
                                             :
  Threaded(id, command_interval),
  _stats_interval(stats_interval),
  _num_packets(0),
  _num_bytes(0),
  _dropped_packets(0),
  _buffer_size(0),
  _stats_stream(),
  _csv_stream(),
  _state(IDLE),
  _mutex(),
  _average_packet_rate(0),
  _average_byte_rate(0),
  _last_num_packets(0),
  _last_num_bytes(0),
  _interval(0),
  _ALPHA(DEFAULT_ALPHA),
  _BPS_TO_MBPS(8/1e6),
  _PAGE_LENGTH(10)
{
  const std::string stats_stream_name = stats_file + std::string(".sts");
  _stats_stream.open(stats_stream_name.c_str(),
            std::fstream::out | std::fstream::trunc);

  const std::string csv_stream_name = stats_file + std::string(".csv");
  _csv_stream.open(csv_stream_name.c_str(),
          std::fstream::out | std::fstream::trunc);
}
```

9.972.3 Member Function Documentation

9.972.3.1 void StatsWriter::cmd_stop ( ) **[virtual]**

External API command. Insert a STOP command into the object's command queue for processing.

Implements Threaded.

Definition at line 133 of file stats_writer.cc.

```
                              {
  LOG4CXX_INFO(logger, "Received STOP");
  _state = STOP;
}
```

9.972.3.2 void StatsWriter::cmd_write_to_disk ( )

External API command. Insert a WRITE_TO_DISK command into the object's command queue for processing.

Definition at line 138 of file stats_writer.cc.

```
                              {
  LOG4CXX_INFO(logger, "Received WRITE_TO_DISK");
  _state = WRITE_TO_DISK;
}
```

9.972.3.3 void StatsWriter::handle_stop ( ) `[protected, virtual]`

Command handler. Handles the STOP command/state. On receiving this command, the FileWriter object will stop processing and exit the run() method at the next opportunity.

Implements Threaded.

Definition at line 143 of file stats_writer.cc.

```
                              {
  _running = false;
}
```

9.972.3.4 void StatsWriter::handle_write_to_disk ( ) `[protected,`
`virtual]`

Command handler. Handles the WRITE_TO_DISK command/state. On receiving this command, the StatsWriter object will start tracking statistics, and periodically updating them, and writing them to disk.

Definition at line 151 of file stats_writer.cc.

```
                              {
  struct timeval end_time;
  struct timeval diff, instant_diff;

  // Cache stats variables.
  boost::uint64_t num_packets;
  boost::uint64_t num_bytes;
  {
    boost::mutex::scoped_lock lock(_mutex);
```

```
  num_packets = _num_packets;
  num_bytes = _num_bytes;
}

// Update time variables.
if (_start_time.tv_sec == 0) {
  gettimeofday(&_start_time, NULL);
}
gettimeofday(&end_time, NULL);

// Elapsed _interval.
timersub(&end_time, &_start_time, &diff);
timersub(&end_time, &_last_time, &instant_diff);

const double delta_seconds = diff.tv_sec + diff.tv_usec/1000000.0;
const double instant_delta_seconds = instant_diff.tv_sec
  + instant_diff.tv_usec/1000000.0;
const double instant_packet_rate = (num_packets - _last_num_packets)
  /instant_delta_seconds;
const double instant_byte_rate = _BPS_TO_MBPS*(num_bytes - _last_num_bytes)
  /instant_delta_seconds;
const double lifetime_packet_rate = num_packets/delta_seconds;
const double lifetime_byte_rate = _BPS_TO_MBPS*num_bytes/delta_seconds;
const double average_buffer_size = _buffer_size/delta_seconds;
const double instant_drop_rate = _dropped_packets/delta_seconds;

_average_packet_rate = (1.0-_ALPHA)*_average_packet_rate
  + _ALPHA*instant_packet_rate;
_average_byte_rate = (1.0-_ALPHA)*_average_byte_rate
  + _ALPHA*instant_byte_rate;

if (_interval % _PAGE_LENGTH == 0) {
  _stats_stream
    << HLINE
    << std::endl
    << "|"
    << std::setw(10) << "time" << " "
    << std::setw(10) << "pkt rate" << " "
    << std::setw(10) << "pkt rate"   << " "
    << std::setw(10) << "pkt rate"  << " "
    << "|"
    << std::setw(10) << "mbps" << " "
    << std::setw(10) << "mbps"   << " "
    << std::setw(10) << "mbps"  << " "
    << "|\n"
    << "|"
    << std::setw(10) << "(s)" << " "
    << std::setw(10) << "(inst)" << " "
    << std::setw(10) << "(lifetime)"   << " "
    << std::setw(10) << "(average)"  << " "
    << "|"
    << std::setw(10) << "(inst)" << " "
    << std::setw(10) << "(lifetime)"   << " "
    << std::setw(10) << "(average)"  << " "
    << "|\n"
    << HLINE
    << std::endl;
}
++_interval;

_stats_stream
  << "|"
```

```
       << std::setw(10) << delta_seconds << " "
       << std::setw(10) << instant_packet_rate << " "
       << std::setw(10) << lifetime_packet_rate << " "
       << std::setw(10) << _average_packet_rate << " "
       << "|"
       << std::setw(10) << instant_byte_rate << " "
       << std::setw(10) << lifetime_byte_rate << " "
       << std::setw(10) << _average_byte_rate << " "
       << "|\n";

  _csv_stream
       <<  delta_seconds << ","
       <<  instant_packet_rate << ","
       <<  lifetime_packet_rate << ","
       <<  _average_packet_rate << ","
       <<  instant_byte_rate << ","
       <<  lifetime_byte_rate << ","
       <<  _average_byte_rate << ","
       << instant_drop_rate << ","
       << average_buffer_size
       << std::endl;

  _dropped_packets = 0;
  _buffer_size = 0;

  // Update state.
  gettimeofday(&_last_time, NULL);
  _last_num_packets = num_packets;
  _last_num_bytes = num_bytes;

  sleep(_stats_interval);
}
```

9.972.3.5 void StatsWriter::update (const boost::uint64_t & *packets,* const boost::uint64_t & *bytes,* const boost::uint64_t & *dropped_packets,* const boost::uint64_t & *buffer_size*)

Custom API. Update statistics.

Parameters

packets	The total number of packets that have been processed so far.
bytes	The total number of bytes that have been processed so far.

Definition at line 255 of file stats_writer.cc.

```
                                                          {
  boost::mutex::scoped_lock lock(_mutex);
  _num_packets += packets;
  _num_bytes += bytes;
  _dropped_packets += dropped_packets;
  _buffer_size = buffer_size;
}
```

9.972.4 Member Data Documentation

9.972.4.1 long StatsWriter::_interval `[protected]`

The "number" of the current measurement interval. Used for formatting purposes. Every time statistics information is output, interval is incremented.

Definition at line 151 of file stats_writer.h.

9.972.4.2 boost::uint64_t StatsWriter::_last_num_bytes `[protected]`

The number of bytes that had been processed at the last statistics update.

Definition at line 146 of file stats_writer.h.

9.972.4.3 boost::uint64_t StatsWriter::_last_num_packets `[protected]`

The number of packets that had been processed at the last statistics update.

Definition at line 142 of file stats_writer.h.

9.972.4.4 const int StatsWriter::_PAGE_LENGTH `[protected]`

A formatting constant. Controls how many lines are output to a "page" for the _stats_-stream.

Definition at line 161 of file stats_writer.h.

The documentation for this class was generated from the following files:

- src/net2disk/stats_writer.h
- src/net2disk/stats_writer.cc

9.973 status_block Struct Reference

Public Attributes

- volatile u32 **status_attn_bits**
- volatile u32 **status_attn_bits_ack**

### 9.973.1 Detailed Description

Definition at line 973 of file bnx2.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/bnx2.h

9.974 status_block_msix Struct Reference

9.974.1 Detailed Description

Definition at line 1066 of file bnx2.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/bnx2.h

9.975 stmt Struct Reference

Public Attributes

- int **code**
- struct slist ∗ **jt**
- struct slist ∗ **jf**
- bpf_int32 **k**

9.975.1 Detailed Description

Definition at line 194 of file gencode.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/gencode.h
- src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/sfbpf/gencode.h

9.976 stp_bpdu_ Struct Reference

Public Attributes

- u_int8_t **protocol_id** [2]
- u_int8_t **protocol_version**
- u_int8_t **bpdu_type**
- u_int8_t **flags**
- u_int8_t **root_id** [8]
- u_int8_t **root_path_cost** [4]
- u_int8_t **bridge_id** [8]
- u_int8_t **port_id** [2]
- u_int8_t **message_age** [2]
- u_int8_t **max_age** [2]
- u_int8_t **hello_time** [2]
- u_int8_t **forward_delay** [2]
- u_int8_t **v1_length**

9.976.1 Detailed Description

Definition at line 36 of file print-stp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-stp.c

9.977 subsys_tbl_ent Struct Reference

Public Attributes

- u16 **subsys_vendor**
- u16 **subsys_devid**
- u32 **phy_id**

9.977.1 Detailed Description

Definition at line 11601 of file tg3.c.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.102/tg3.c
- src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.99k/tg3.c

9.978 sunatm_hdr Struct Reference

Public Attributes

- unsigned char **flags**
- unsigned char **vpi**
- unsigned short **vci**

9.978.1 Detailed Description

Definition at line 67 of file pcap-dag.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap-dag.c

9.979 sunrpc_call_body Struct Reference

Public Attributes

- u_int32_t **cb_rpcvers**
- u_int32_t **cb_prog**
- u_int32_t **cb_vers**
- u_int32_t **cb_proc**
- struct sunrpc_opaque_auth **cb_cred**

9.979.1 Detailed Description

Definition at line 105 of file rpc_msg.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/rpc_msg.h

9.980 sunrpc_msg Struct Reference

Public Attributes

- u_int32_t **rm_xid**
- u_int32_t **rm_direction**
- union {
    struct sunrpc_call_body **RM_cmb**
    struct sunrpc_reply_body **RM_rmb**
  } **ru**

9.980.1 Detailed Description

Definition at line 117 of file rpc_msg.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/rpc_msg.h

9.981 sunrpc_opaque_auth Struct Reference

Public Attributes

- u_int32_t **oa_flavor**
- u_int32_t **oa_len**

9.981.1 Detailed Description

Definition at line 68 of file rpc_auth.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/rpc_auth.h

9.982 sunrpc_pmap Struct Reference

Public Attributes

- u_int32_t **pm_prog**
- u_int32_t **pm_vers**
- u_int32_t **pm_prot**
- u_int32_t **pm_port**

9.982.1 Detailed Description

Definition at line 84 of file pmap_prot.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/pmap_prot.h

9.983 sunrpc_rejected_reply Struct Reference

Public Attributes

- u_int32_t **rj_stat**
- union {
    struct {
        u_int32_t **low**
        u_int32_t **high**
    } **RJ_versions**
    u_int32_t **RJ_why**
  } **ru**

9.983.1 Detailed Description

Definition at line 81 of file rpc_msg.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/rpc_msg.h

9.984 sunrpc_reply_body Struct Reference

Public Attributes

- u_int32_t **rp_stat**
- struct [sunrpc_rejected_reply](#) **rp_reject**

9.984.1 Detailed Description

Definition at line 97 of file rpc_msg.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/rpc_msg.h

9.985 sw_bd Struct Reference

Public Attributes

- struct sk_buff ∗ **skb**

9.985.1 Detailed Description

Definition at line 7470 of file bnx2.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/bnx2.h

9.986 sw_pg Struct Reference

Public Attributes

- struct page ∗ **page**

9.986.1 Detailed Description

Definition at line 7475 of file bnx2.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/bnx2.h

9.987 sw_rx_bd Struct Reference

Public Attributes

- struct sk_buff ∗ **skb**

9.987.1 Detailed Description

Definition at line 196 of file bnx2x.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x.h

9.988 sw_rx_page Struct Reference

Public Attributes

- struct page ∗ **page**

9.988.1 Detailed Description

Definition at line 209 of file bnx2x.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x.h

9.989 sw_tx_bd Struct Reference

Public Attributes

- struct sk_buff ∗ **skb**
- unsigned short **is_gso**
- unsigned short **nr_frags**
- u16 **first_bd**
- u8 **flags**

9.989.1 Detailed Description

Definition at line 7480 of file bnx2.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/bnx2.h
- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x.h

9.990   symantec_header Struct Reference

Public Attributes

- u_int8_t **stuff1** [6]
- u_int16_t **ether_type**
- u_int8_t **stuff2** [36]

9.990.1   Detailed Description

Definition at line 42 of file print-symantec.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-symantec.c

9.991   tc_bw_alloc Struct Reference

Public Attributes

- u8 **bwg_id**
- u8 **bwg_percent**
- u8 **link_percent**
- u8 **up_to_tc_bitmap**
- u16 **data_credits_refill**
- u16 **data_credits_max**
- enum strict_prio_type **prio_type**

9.991.1   Detailed Description

Definition at line 98 of file ixgbe_dcb.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe_-dcb.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe_dcb.h

9.992   tc_configuration Struct Reference

Public Attributes

- struct tc_bw_alloc **path** [2]
- enum dcb_pfc_type **dcb_pfc**
- u16 **desc_credits_max**
- u8 **tc**

9.992.1   Detailed Description

Definition at line 117 of file ixgbe_dcb.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe_-
  dcb.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe_dcb.h

9.993   tcp_port_mngt Struct Reference

Public Attributes

- int **num_required**
- u32 **port_tbl_size**
- u32 **num_free_ports**
- u32 **prod_idx**
- u32 **cons_idx**
- u32 **max_idx**
- u16 ∗ **free_q**

9.993.1   Detailed Description

Definition at line 44 of file bnx2i_ioctl.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2i_sles11-2.0.1e-
  05/driver/bnx2i_ioctl.h

9.994   tcp_seq_hash Struct Reference

Public Attributes

- struct tcp_seq_hash ∗ **nxt**

- struct [tha](#) **addr**
- tcp_seq **seq**
- tcp_seq **ack**

9.994.1 Detailed Description

Definition at line 83 of file print-tcp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-tcp.c

9.995 tcphdr Struct Reference

Public Attributes

- u_int16_t **source**
- u_int16_t **dest**
- u_int32_t **seq**
- u_int32_t **ack_seq**
- __u16 **res1**:4
- __u16 **doff**:4
- __u16 **fin**:1
- __u16 **syn**:1
- __u16 **rst**:1
- __u16 **psh**:1
- __u16 **ack**:1
- __u16 **urg**:1
- __u16 **ece**:1
- __u16 **cwr**:1
- u_int16_t **window**
- u_int16_t **check**
- u_int16_t **urg_ptr**
- u_int16_t **th_sport**
- u_int16_t **th_dport**
- tcp_seq **th_seq**
- tcp_seq **th_ack**
- u_int8_t **th_offx2**
- u_int8_t **th_flags**
- u_int16_t **th_win**
- u_int16_t **th_sum**
- u_int16_t **th_urp**

9.995.1   Detailed Description

Definition at line 35 of file pfring_utils.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/userland/lib/pfring_utils.h
- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/tcp.h

9.996   TestFileWriter Class Reference

Public Member Functions

- void **setUp** (void)
- void **tearDown** (void)

Protected Member Functions

- void **basic** (void)

9.996.1   Detailed Description

Definition at line 29 of file test_file_writer.h.

The documentation for this class was generated from the following files:

- src/net2disk/test_file_writer.h
- src/net2disk/test_file_writer.cc

9.997   testmsg Struct Reference

Public Attributes

- byte **te_flags**
- word **te_src**
- byte **te_data**

9.997.1   Detailed Description

Definition at line 185 of file decnet.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/decnet.h

9.998   tftphdr Struct Reference

Public Attributes

- unsigned short **th_opcode**
- union {
    unsigned short **tu_block**
    unsigned short **tu_code**
    char **tu_stuff** [1]
  } **th_u**

- char **th_data** [1]
- short **th_opcode**
- union {
    short **tu_block**
    short **tu_code**
    char **tu_stuff** [1]
  } **th_u**

9.998.1   Detailed Description

Definition at line 55 of file tftp.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/tftp.h
- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/win32/Include/Arpa/tftp.h

9.999   tg3 Struct Reference

Public Attributes

- unsigned int **irq_sync**
- spinlock_t **lock**
- spinlock_t **indirect_lock**
- u32(∗ **read32**)(struct tg3 ∗, u32)
- void(∗ **write32**)(struct tg3 ∗, u32, u32)
- u32(∗ **read32_mbox**)(struct tg3 ∗, u32)
- void(∗ **write32_mbox**)(struct tg3 ∗, u32, u32)
- void __iomem ∗ **regs**
- void __iomem ∗ **aperegs**
- struct net_device ∗ **dev**
- struct pci_dev ∗ **pdev**
- u32 **msg_enable**
- void(∗ **write32_tx_mbox**)(struct tg3 ∗, u32, u32)

- struct tg3_napi **napi** [TG3_IRQ_MAX_VECS]
- void(∗ **write32_rx_mbox**)(struct tg3 ∗, u32, u32)
- u32 **rx_pending**
- u32 **rx_jumbo_pending**
- u32 **rx_std_max_post**
- u32 **rx_pkt_map_sz**
- struct tg3_rx_prodring_set **prodring** [1]
- struct net_device_stats **net_stats**
- struct net_device_stats **net_stats_prev**
- struct tg3_ethtool_stats **estats**
- struct tg3_ethtool_stats **estats_prev**
- union {

    unsigned long **phy_crc_errors**

    unsigned long **last_event_jiffies**

  };

- u32 **rx_offset**
- u32 **tg3_flags**
- u32 **tg3_flags2**
- u32 **tg3_flags3**
- struct timer_list **timer**
- u16 **timer_counter**
- u16 **timer_multiplier**
- u32 **timer_offset**
- u16 **asf_counter**
- u16 **asf_multiplier**
- u32 **serdes_counter**
- struct tg3_link_config **link_config**
- struct tg3_bufmgr_config **bufmgr_config**
- u32 **rx_mode**
- u32 **tx_mode**
- u32 **mac_mode**
- u32 **mi_mode**
- u32 **misc_host_ctrl**
- u32 **grc_mode**
- u32 **grc_local_ctrl**
- u32 **dma_rwctrl**
- u32 **coalesce_mode**
- u32 **pwrmgmt_thresh**
- u32 **pci_chip_rev_id**
- u16 **pci_cmd**
- u8 **pci_cacheline_sz**
- u8 **pci_lat_timer**
- int **pm_cap**
- int **msi_cap**

- union {
    int **pcix_cap**
    int **pcie_cap**
  };

- struct mii_bus ∗ **mdio_bus**
- int **mdio_irq** [PHY_MAX_ADDR]
- u8 **phy_addr**
- u32 **phy_id**
- u32 **led_ctrl**
- u32 **phy_otp**
- char **board_part_number** [24]
- char **fw_ver** [TG3_VER_SIZE]
- u32 **nic_sram_data_cfg**
- u32 **pci_clock_ctrl**
- struct pci_dev ∗ **pdev_peer**
- struct tg3_hw_stats ∗ **hw_stats**
- dma_addr_t **stats_mapping**
- struct work_struct **reset_task**
- int **nvram_lock_cnt**
- u32 **nvram_size**
- u32 **nvram_pagesize**
- u32 **nvram_jedecnum**
- unsigned int **irq_max**
- unsigned int **irq_cnt**
- struct ethtool_coalesce **coal**
- const char ∗ **fw_needed**
- struct firmware ∗ **fw**
- u32 **fw_len**
- union {
    unsigned long **phy_crc_errors**
    unsigned long **last_event_jiffies**
  };

- u16 **rx_offset**
- u16 **rx_copy_thresh**
- u32 **pci_cfg_state** [64/sizeof(u32)]
- union {
    int **pcix_cap**
    int **pcie_cap**
  };

- struct tg3_firmware ∗ **fw**

9.999.1 Detailed Description

Definition at line 2587 of file tg3.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.102/tg3.h
- src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.99k/tg3.h

9.1000 tg3_bufmgr_config Struct Reference

Public Attributes

- u32 **mbuf_read_dma_low_water**
- u32 **mbuf_mac_rx_low_water**
- u32 **mbuf_high_water**
- u32 **mbuf_read_dma_low_water_jumbo**
- u32 **mbuf_mac_rx_low_water_jumbo**
- u32 **mbuf_high_water_jumbo**
- u32 **dma_low_water**
- u32 **dma_high_water**

9.1000.1 Detailed Description

Definition at line 2448 of file tg3.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.102/tg3.h
- src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.99k/tg3.h

9.1001 tg3_config_info Struct Reference

Public Attributes

- u32 **flags**

9.1001.1 Detailed Description

Definition at line 2417 of file tg3.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.102/tg3.h
- src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.99k/tg3.h

9.1002   tg3_ethtool_stats Struct Reference

Public Attributes

- u64 **rx_octets**
- u64 **rx_fragments**
- u64 **rx_ucast_packets**
- u64 **rx_mcast_packets**
- u64 **rx_bcast_packets**
- u64 **rx_fcs_errors**
- u64 **rx_align_errors**
- u64 **rx_xon_pause_rcvd**
- u64 **rx_xoff_pause_rcvd**
- u64 **rx_mac_ctrl_rcvd**
- u64 **rx_xoff_entered**
- u64 **rx_frame_too_long_errors**
- u64 **rx_jabbers**
- u64 **rx_undersize_packets**
- u64 **rx_in_length_errors**
- u64 **rx_out_length_errors**
- u64 **rx_64_or_less_octet_packets**
- u64 **rx_65_to_127_octet_packets**
- u64 **rx_128_to_255_octet_packets**
- u64 **rx_256_to_511_octet_packets**
- u64 **rx_512_to_1023_octet_packets**
- u64 **rx_1024_to_1522_octet_packets**
- u64 **rx_1523_to_2047_octet_packets**
- u64 **rx_2048_to_4095_octet_packets**
- u64 **rx_4096_to_8191_octet_packets**
- u64 **rx_8192_to_9022_octet_packets**
- u64 **tx_octets**
- u64 **tx_collisions**
- u64 **tx_xon_sent**
- u64 **tx_xoff_sent**
- u64 **tx_flow_control**
- u64 **tx_mac_errors**
- u64 **tx_single_collisions**
- u64 **tx_mult_collisions**
- u64 **tx_deferred**
- u64 **tx_excessive_collisions**
- u64 **tx_late_collisions**
- u64 **tx_collide_2times**
- u64 **tx_collide_3times**
- u64 **tx_collide_4times**
- u64 **tx_collide_5times**
- u64 **tx_collide_6times**

- u64 **tx_collide_7times**
- u64 **tx_collide_8times**
- u64 **tx_collide_9times**
- u64 **tx_collide_10times**
- u64 **tx_collide_11times**
- u64 **tx_collide_12times**
- u64 **tx_collide_13times**
- u64 **tx_collide_14times**
- u64 **tx_collide_15times**
- u64 **tx_ucast_packets**
- u64 **tx_mcast_packets**
- u64 **tx_bcast_packets**
- u64 **tx_carrier_sense_errors**
- u64 **tx_discards**
- u64 **tx_errors**
- u64 **dma_writeq_full**
- u64 **dma_write_prioq_full**
- u64 **rxbds_empty**
- u64 **rx_discards**
- u64 **rx_errors**
- u64 **rx_threshold_hit**
- u64 **dma_readq_full**
- u64 **dma_read_prioq_full**
- u64 **tx_comp_queue_full**
- u64 **ring_set_send_prod_index**
- u64 **ring_status_update**
- u64 **nic_irqs**
- u64 **nic_avoided_irqs**
- u64 **nic_tx_threshold_hit**

9.1002.1 Detailed Description

Definition at line 2461 of file tg3.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.102/tg3.h
- src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.99k/tg3.h

9.1003 tg3_ext_rx_buffer_desc Struct Reference

Public Attributes

- struct {
      u32 **addr_hi**

     u32 **addr_lo**
   } **addrlist** [3]

- u32 **len2_len1**
- u32 **resv_len3**
- struct [tg3_rx_buffer_desc](#) **std**
- struct {
     u32 **addr_hi**
     u32 **addr_lo**
   } **addrlist** [3]

9.1003.1 Detailed Description

Definition at line 2234 of file tg3.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.102/tg3.h
- src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.99k/tg3.h

9.1004 tg3_fiber_aneginfo Struct Reference

Public Attributes

- int **state**
- u32 **flags**
- unsigned long **link_time**
- unsigned long **cur_time**
- u32 **ability_match_cfg**
- int **ability_match_count**
- char **ability_match**
- char **idle_match**
- char **ack_match**
- u32 **txconfig**
- u32 **rxconfig**

9.1004.1 Detailed Description

Definition at line 3277 of file tg3.c.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.102/tg3.c
- src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.99k/tg3.c

9.1005   tg3_firmware Struct Reference

Public Attributes

- size_t **size**
- const u8 ∗ **data**

9.1005.1   Detailed Description

Definition at line 9 of file tg3_firmware.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.102/tg3_firmware.h
- src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.99k/tg3_firmware.h

9.1006   tg3_hw_stats Struct Reference

Public Attributes

- u8 __**reserved0** [0x400-0x300]
- tg3_stat64_t **rx_octets**
- u64 __**reserved1**
- tg3_stat64_t **rx_fragments**
- tg3_stat64_t **rx_ucast_packets**
- tg3_stat64_t **rx_mcast_packets**
- tg3_stat64_t **rx_bcast_packets**
- tg3_stat64_t **rx_fcs_errors**
- tg3_stat64_t **rx_align_errors**
- tg3_stat64_t **rx_xon_pause_rcvd**
- tg3_stat64_t **rx_xoff_pause_rcvd**
- tg3_stat64_t **rx_mac_ctrl_rcvd**
- tg3_stat64_t **rx_xoff_entered**
- tg3_stat64_t **rx_frame_too_long_errors**
- tg3_stat64_t **rx_jabbers**
- tg3_stat64_t **rx_undersize_packets**
- tg3_stat64_t **rx_in_length_errors**
- tg3_stat64_t **rx_out_length_errors**
- tg3_stat64_t **rx_64_or_less_octet_packets**
- tg3_stat64_t **rx_65_to_127_octet_packets**
- tg3_stat64_t **rx_128_to_255_octet_packets**
- tg3_stat64_t **rx_256_to_511_octet_packets**
- tg3_stat64_t **rx_512_to_1023_octet_packets**
- tg3_stat64_t **rx_1024_to_1522_octet_packets**
- tg3_stat64_t **rx_1523_to_2047_octet_packets**

- • tg3_stat64_t **rx_2048_to_4095_octet_packets**
- • tg3_stat64_t **rx_4096_to_8191_octet_packets**
- • tg3_stat64_t **rx_8192_to_9022_octet_packets**
- • u64 **__unused0** [37]
- • tg3_stat64_t **tx_octets**
- • u64 **__reserved2**
- • tg3_stat64_t **tx_collisions**
- • tg3_stat64_t **tx_xon_sent**
- • tg3_stat64_t **tx_xoff_sent**
- • tg3_stat64_t **tx_flow_control**
- • tg3_stat64_t **tx_mac_errors**
- • tg3_stat64_t **tx_single_collisions**
- • tg3_stat64_t **tx_mult_collisions**
- • tg3_stat64_t **tx_deferred**
- • u64 **__reserved3**
- • tg3_stat64_t **tx_excessive_collisions**
- • tg3_stat64_t **tx_late_collisions**
- • tg3_stat64_t **tx_collide_2times**
- • tg3_stat64_t **tx_collide_3times**
- • tg3_stat64_t **tx_collide_4times**
- • tg3_stat64_t **tx_collide_5times**
- • tg3_stat64_t **tx_collide_6times**
- • tg3_stat64_t **tx_collide_7times**
- • tg3_stat64_t **tx_collide_8times**
- • tg3_stat64_t **tx_collide_9times**
- • tg3_stat64_t **tx_collide_10times**
- • tg3_stat64_t **tx_collide_11times**
- • tg3_stat64_t **tx_collide_12times**
- • tg3_stat64_t **tx_collide_13times**
- • tg3_stat64_t **tx_collide_14times**
- • tg3_stat64_t **tx_collide_15times**
- • tg3_stat64_t **tx_ucast_packets**
- • tg3_stat64_t **tx_mcast_packets**
- • tg3_stat64_t **tx_bcast_packets**
- • tg3_stat64_t **tx_carrier_sense_errors**
- • tg3_stat64_t **tx_discards**
- • tg3_stat64_t **tx_errors**
- • u64 **__unused1** [31]
- • tg3_stat64_t **COS_rx_packets** [16]
- • tg3_stat64_t **COS_rx_filter_dropped**
- • tg3_stat64_t **dma_writeq_full**
- • tg3_stat64_t **dma_write_prioq_full**
- • tg3_stat64_t **rxbds_empty**
- • tg3_stat64_t **rx_discards**
- • tg3_stat64_t **rx_errors**
- • tg3_stat64_t **rx_threshold_hit**

- u64 **__unused2** [9]
- tg3_stat64_t **COS_out_packets** [16]
- tg3_stat64_t **dma_readq_full**
- tg3_stat64_t **dma_read_prioq_full**
- tg3_stat64_t **tx_comp_queue_full**
- tg3_stat64_t **ring_set_send_prod_index**
- tg3_stat64_t **ring_status_update**
- tg3_stat64_t **nic_irqs**
- tg3_stat64_t **nic_avoided_irqs**
- tg3_stat64_t **nic_tx_threshold_hit**
- u8 **__reserved4** [0xb00-0x9c0]

9.1006.1 Detailed Description

Definition at line 2305 of file tg3.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.102/tg3.h
- src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.99k/tg3.h

9.1007 tg3_hw_status Struct Reference

Public Attributes

- u32 **status**
- u32 **status_tag**
- u16 **rx_jumbo_consumer**
- u16 **rx_consumer**
- u16 **rx_mini_consumer**
- u16 **reserved**
- struct {
    u16 **rx_producer**
    u16 **tx_consumer**
  } **idx** [16]

- volatile u32 **status**
- volatile u32 **status_tag**
- volatile u16 **rx_jumbo_consumer**
- volatile u16 **rx_consumer**
- volatile u16 **rx_mini_consumer**
- volatile u16 **reserved**
- struct {
    volatile u16 **rx_producer**
    volatile u16 **tx_consumer**
  } **idx** [16]

9.1007.1 Detailed Description

Definition at line 2267 of file tg3.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.102/tg3.h
- src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.99k/tg3.h

9.1008 tg3_internal_buffer_desc Struct Reference

Public Attributes

- u32 **addr_hi**
- u32 **addr_lo**
- u32 **nic_mbuf**
- u16 **len**
- u16 **cqid_sqid**
- u32 **flags**
- u32 **__cookie1**
- u32 **__cookie2**
- u32 **__cookie3**

9.1008.1 Detailed Description

Definition at line 2248 of file tg3.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.102/tg3.h
- src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.99k/tg3.h

9.1009 tg3_link_config Struct Reference

Public Attributes

- u32 **advertising**
- u16 **speed**
- u8 **duplex**
- u8 **autoneg**
- u8 **flowctrl**
- u8 **active_flowctrl**
- u8 **active_duplex**
- u16 **active_speed**
- int **phy_is_low_power**

- u16 **orig_speed**
- u8 **orig_duplex**
- u8 **orig_autoneg**
- u32 **orig_advertising**

9.1009.1 Detailed Description

Definition at line 2421 of file tg3.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.102/tg3.h
- src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.99k/tg3.h

9.1010 tg3_napi Struct Reference

Public Attributes

- struct napi_struct napi **____cacheline_aligned**
- struct tg3 ∗ **tp**
- struct tg3_hw_status ∗ **hw_status**
- u32 **last_tag**
- u32 **last_irq_tag**
- u32 **int_mbox**
- u32 **coal_now**
- u32 **tx_prod**
- u32 **tx_cons**
- u32 **tx_pending**
- u32 **prodmbox**
- u32 **consmbox**
- u32 **rx_rcb_ptr**
- u16 ∗ **rx_rcb_prod_idx**
- struct tg3_rx_buffer_desc ∗ **rx_rcb**
- struct tg3_tx_buffer_desc ∗ **tx_ring**
- struct tx_ring_info ∗ **tx_buffers**
- dma_addr_t **status_mapping**
- dma_addr_t **rx_rcb_mapping**
- dma_addr_t **tx_desc_mapping**
- char **irq_lbl** [IFNAMSIZ]
- unsigned int **irq_vec**

9.1010.1 Detailed Description

Definition at line 2557 of file tg3.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.102/tg3.h
- src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.99k/tg3.h

9.1011 tg3_rx_buffer_desc Struct Reference

Public Attributes

- u32 **addr_hi**
- u32 **addr_lo**
- u32 **idx_len**
- u32 **type_flags**
- u32 **ip_tcp_csum**
- u32 **err_vlan**
- u32 **reserved**
- u32 **opaque**

9.1011.1 Detailed Description

Definition at line 2180 of file tg3.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.102/tg3.h
- src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.99k/tg3.h

9.1012 tg3_rx_prodring_set Struct Reference

Public Attributes

- u32 **rx_std_ptr**
- u32 **rx_jmb_ptr**
- struct [tg3_rx_buffer_desc](#) ∗ **rx_std**
- struct [tg3_ext_rx_buffer_desc](#) ∗ **rx_jmb**
- struct [ring_info](#) ∗ **rx_std_buffers**
- struct [ring_info](#) ∗ **rx_jmb_buffers**
- dma_addr_t **rx_std_mapping**
- dma_addr_t **rx_jmb_mapping**

9.1012.1 Detailed Description

Definition at line 2544 of file tg3.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.102/tg3.h
- src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.99k/tg3.h

9.1013 tg3_stat64_t Struct Reference

Public Attributes

- u32 **high**
- u32 **low**

9.1013.1 Detailed Description

Definition at line 2301 of file tg3.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.102/tg3.h
- src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.99k/tg3.h

9.1014 tg3_tx_buffer_desc Struct Reference

Public Attributes

- u32 **addr_hi**
- u32 **addr_lo**
- u32 **len_flags**
- u32 **vlan_tag**

9.1014.1 Detailed Description

Definition at line 2150 of file tg3.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.102/tg3.h
- src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.99k/tg3.h

9.1015   tha Struct Reference

Public Attributes

- struct in_addr **src**
- struct in_addr **dst**
- u_int **port**

9.1015.1   Detailed Description

Definition at line 72 of file print-tcp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-tcp.c

9.1016   thdr Union Reference

Public Attributes

- struct tpacket_hdr ∗ **h1**
- struct tpacket2_hdr ∗ **h2**
- void ∗ **raw**
- const uint8_t ∗ **raw**

9.1016.1   Detailed Description

Definition at line 308 of file pcap-linux.c.

The documentation for this union was generated from the following files:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap-linux.c
- src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/os-daq-modules/daq_afpacket.c

9.1017   Threaded Class Reference

```
#include <threaded.h>
```

Inheritance diagram for Threaded:
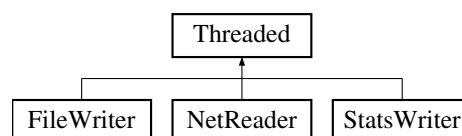
Public Member Functions

- Threaded (const int id, const int command_interval)
- virtual ∼Threaded ()

    Destructor.
- virtual void start ()=0

    Start the main processing loop run() in its own thread of execution.
- virtual void join ()=0

    Wait for the main processing loop/thread to exit.
- virtual void cmd_stop ()=0

Protected Member Functions

- virtual void run ()=0

    Main processing loop.
- virtual void handle_stop ()=0
- virtual void handle_idle ()=0

    Command handler. Handles the IDLE state.

Protected Attributes

- const int _id

    A unique identifier for this object.
- const int _command_interval

    The command interval.
- bool _running
- boost::thread _thread

    The thread data structure.

9.1017.1 Detailed Description

This is the Abstract Base Class for all classes that require a separate thread for executing their main procesing loop.

Definition at line 38 of file threaded.h.

9.1017.2 Constructor & Destructor Documentation

9.1017.2.1 Threaded::Threaded (const int *id,* const int *command_interval*) [inline]

Constructor.

Parameters

id	A unique id for this object. Used for logging.
command_- *interval*	The main executin thread in run() will attempt to check for new commands every command_interval seconds. The actual interval between checks may be larger than this if the execution thread spends longer than command_-interval processing individual tasks.

Definition at line 52 of file threaded.h.

```
                                    :
  _id(id),
    _command_interval(command_interval),
    _running(false),
    _thread() {}
```

9.1017.3   Member Function Documentation

9.1017.3.1   virtual void Threaded::cmd_stop ( ) `[pure virtual]`

External API command. Insert a STOP command into the object's command queue for processing.

Implemented in FileWriter, NetReader, and StatsWriter.

9.1017.3.2   virtual void Threaded::handle_stop ( ) `[protected, pure virtual]`

Command handler. Handles the STOP command/state. On receiving this command, the FileWriter object will stop processing and exit the run() method at the next opportunity.

Implemented in FileWriter, NetReader, and StatsWriter.

9.1017.4   Member Data Documentation

9.1017.4.1   bool Threaded::_running `[protected]`

A flag used in the while() conditional at the top of the run() method. The main thread of execution only continuines to execute while _running is true.

Definition at line 87 of file threaded.h.

The documentation for this class was generated from the following file:

- src/net2disk/threaded.h

9.1018   tim_t Struct Reference

Public Attributes

- u_int8_t **element_id**
- u_int8_t **length**
- u_int8_t **count**
- u_int8_t **period**
- u_int8_t **bitmap_control**
- u_int8_t **bitmap** [251]

9.1018.1   Detailed Description

Definition at line 189 of file ieee802_11.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ieee802_11.h

9.1019   Timeout Struct Reference

Public Attributes

- std::string **_msg**

9.1019.1   Detailed Description

Definition at line 45 of file file_writer.h.

The documentation for this struct was generated from the following file:

- src/net2disk/file_writer.h

9.1020   Timer Class Reference

Very useful class for timing intervals.

```
#include <mark6.h>
```

Public Member Functions

- Timer ()
- void restart ()
    - *Restart the timer by resetting start time.*
- double elapsed ()

9.1020.1   Detailed Description

Very useful class for timing intervals.

Definition at line 69 of file mark6.h.

9.1020.2   Constructor & Destructor Documentation

9.1020.2.1   **Timer::Timer ( )** `[inline]`

Constructor. Start is set so interval measurement begins as soon as the Timer object is constructed.

Definition at line 83 of file mark6.h.

```
        {
  timerclear(&_start);
  timerclear(&_stop);
  timerclear(&_duration);
  gettimeofday(&_start, NULL);
}
```

9.1020.3   Member Function Documentation

9.1020.3.1   **double Timer::elapsed ( )** `[inline]`

Calculate and return the total amount of time that has elapsed since _start was last initialized.

Returns

Amount of time (in seconds) since _start was initialized.

Definition at line 98 of file mark6.h.

```
             {
  gettimeofday(&_stop, NULL);
  timersub(&_stop, &_start, &_duration);
  return static_cast<double>(_duration.tv_sec)
    + static_cast<double>(_duration.tv_usec)/1000000.0;
}
```

The documentation for this class was generated from the following file:

• src/net2disk/mark6.h

9.1021   timers_block_context Struct Reference

Public Attributes

• u32 **__reserved_0**

- u32 **__reserved_1**
- u32 **__reserved_2**
- u32 **flags**

9.1021.1 Detailed Description

Definition at line 2072 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.1022 tlv_header_t Struct Reference

Public Attributes

- u_int8_t **type**
- u_int8_t **length**

9.1022.1 Detailed Description

Definition at line 191 of file print-slow.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-slow.c

9.1023 tok Struct Reference

Public Attributes

- int **v**
- const char ∗ **s**

9.1023.1 Detailed Description

Definition at line 68 of file netdissect.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/netdissect.h

9.1024   token_header Struct Reference

Public Attributes

- u_int8_t **token_ac**
- u_int8_t **token_fc**
- u_int8_t **token_dhost** [TOKEN_RING_MAC_LEN]
- u_int8_t **token_shost** [TOKEN_RING_MAC_LEN]
- u_int16_t **token_rcf**
- u_int16_t **token_rseg** [ROUTING_SEGMENT_MAX]

9.1024.1   Detailed Description

Definition at line 45 of file token.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/token.h

9.1025   tom_h Struct Reference

Public Attributes

- u_int32_t **v**
- u_int16_t **flags**
- u_int16_t **op_msk**
- const char ∗ **s**
- int(∗ **print**)(register const u_char ∗pptr, register u_int len, u_int16_t op_msk, int indent)

9.1025.1   Detailed Description

Definition at line 72 of file forces.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/forces.h

9.1026   tos_link Struct Reference

Public Attributes

- u_int8_t **link_type**
- u_int8_t **link_tos_count**
- u_int8_t **tos_metric** [2]

9.1026.1 Detailed Description

Definition at line 154 of file ospf.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ospf.h

9.1027 tos_metric Struct Reference

Public Attributes

- u_int8_t **tos_type**
- u_int8_t **reserved**
- u_int8_t **tos_metric** [2]

9.1027.1 Detailed Description

Definition at line 149 of file ospf.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ospf.h

9.1028 tr_query Struct Reference

Public Attributes

- u_int32_t **tr_src**
- u_int32_t **tr_dst**
- u_int32_t **tr_raddr**
- u_int32_t **tr_rttlqid**

9.1028.1 Detailed Description

Definition at line 49 of file print-igmp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-igmp.c

9.1029   tr_resp Struct Reference

Public Attributes

- u_int32_t **tr_qarr**
- u_int32_t **tr_inaddr**
- u_int32_t **tr_outaddr**
- u_int32_t **tr_rmtaddr**
- u_int32_t **tr_vifin**
- u_int32_t **tr_vifout**
- u_int32_t **tr_pktcnt**
- u_int8_t **tr_rproto**
- u_int8_t **tr_fttl**
- u_int8_t **tr_smask**
- u_int8_t **tr_rflags**

9.1029.1   Detailed Description

Definition at line 63 of file print-igmp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-igmp.c

9.1030   tsp Struct Reference

Public Attributes

- u_int8_t **tsp_type**
- u_int8_t **tsp_vers**
- u_int16_t **tsp_seq**
- union {
    struct tsp_timeval **tspu_time**
    int8_t **tspu_hopcnt**
  } **tsp_u**

- int8_t **tsp_name** [256]

9.1030.1   Detailed Description

Definition at line 52 of file timed.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/timed.h

9.1031 tsp_timeval Struct Reference

Public Attributes

- u_int32_t **tv_sec**
- u_int32_t **tv_usec**

9.1031.1 Detailed Description

Definition at line 47 of file timed.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/timed.h

9.1032 tstorm_cam_entry Struct Reference

Public Attributes

- __le16 **lsb_mac_addr**
- __le16 **middle_mac_addr**
- __le16 **msb_mac_addr**
- __le16 **flags**

9.1032.1 Detailed Description

Definition at line 2687 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-
hsi.h

9.1033 tstorm_cam_target_table_entry Struct Reference

Public Attributes

- u8 **flags**
- u8 **reserved1**
- u16 **vlan_id**
- u32 **clients_bit_vector**

9.1033.1 Detailed Description

Definition at line 2703 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-
hsi.h

9.1034   tstorm_common_stats Struct Reference

Public Attributes

- struct tstorm_per_port_stats **port_statistics**
- struct tstorm_per_client_stats **client_statistics** [MAX_T_STAT_COUNTER_ID]

9.1034.1   Detailed Description

Definition at line 3057 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-
hsi.h

9.1035   tstorm_def_status_block Struct Reference

Public Attributes

- __le16 **index_values** [HC_TSTORM_DEF_SB_NUM_INDICES]
- __le16 **status_block_index**
- u8 **func**
- u8 **status_block_id**
- __le32 **__flags**

9.1035.1   Detailed Description

Definition at line 2347 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-
hsi.h

9.1036 tstorm_eth_ag_context Struct Reference

Public Attributes

- struct tstorm_eth_extra_ag_context_section **__extra_section**

9.1036.1 Detailed Description

Definition at line 1937 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.1037 tstorm_eth_approximate_match_multicast_filtering Struct Reference

Public Attributes

- u32 **mcast_add_hash_bit_array** [8]

9.1037.1 Detailed Description

Definition at line 2771 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.1038 tstorm_eth_client_config Struct Reference

9.1038.1 Detailed Description

Definition at line 2779 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.1039 tstorm_eth_extra_ag_context_section Struct Reference

Public Attributes

- u32 **__agg_val1**
- u32 **__reserved63**
- u32 **__reserved64**
- u32 **__reserved65**
- u32 **__reserved66**
- u32 **__reserved67**
- u32 **__tcp_agg_vars1**
- u32 **__reserved61**
- u32 **__reserved62**
- u32 **__reserved2**

9.1039.1 Detailed Description

Definition at line 1903 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.1040 tstorm_eth_function_common_config Struct Reference

Public Attributes

- u16 **vlan_id** [2]

9.1040.1 Detailed Description

Definition at line 2585 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.1041 tstorm_eth_mac_filter_config Struct Reference

Public Attributes

- u32 **ucast_drop_all**
- u32 **ucast_accept_all**
- u32 **mcast_drop_all**
- u32 **mcast_accept_all**
- u32 **bcast_drop_all**
- u32 **bcast_accept_all**
- u32 **strict_vlan**
- u32 **vlan_filter** [2]
- u32 **reserved**

9.1041.1 Detailed Description

Definition at line 2838 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-
  hsi.h

9.1042 tstorm_eth_st_context Struct Reference

Public Attributes

- u32 **__reserved0** [28]

9.1042.1 Detailed Description

Definition at line 1731 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-
  hsi.h

9.1043 tstorm_eth_tpa_exist Struct Reference

Public Attributes

- u32 **reserved2**

9.1043.1 Detailed Description

Definition at line 2854 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.1044 tstorm_iscsi_ag_context Struct Reference

Public Attributes

- struct tstorm_tcp_tcp_ag_context_section **tcp**

9.1044.1 Detailed Description

Definition at line 1469 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-defs.h

9.1045 tstorm_iscsi_st_context Struct Reference

Public Attributes

- struct tstorm_tcp_st_context_section **tcp**
- struct tstorm_iscsi_st_context_section **iscsi**

9.1045.1 Detailed Description

Definition at line 960 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-defs.h

9.1046 tstorm_iscsi_st_context_section Struct Reference

Public Attributes

- u32 **b2nh**

- struct [regpair] **rq_db_phy_addr**
- u32 **reserved2**

9.1046.1 Detailed Description

Definition at line 902 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
  defs.h

9.1047 tstorm_l5cm_tcp_flags Struct Reference

Public Attributes

- u16 **flags**

9.1047.1 Detailed Description

Definition at line 2470 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
  defs.h

9.1048 tstorm_per_client_stats Struct Reference

Public Attributes

- struct [regpair] **rcv_unicast_bytes**
- struct [regpair] **rcv_broadcast_bytes**
- struct [regpair] **rcv_multicast_bytes**
- struct [regpair] **rcv_error_bytes**
- __le32 **checksum_discard**
- __le32 **packets_too_big_discard**
- __le32 **rcv_unicast_pkts**
- __le32 **rcv_broadcast_pkts**
- __le32 **rcv_multicast_pkts**
- __le32 **no_buff_discard**
- __le32 **ttl0_discard**
- __le16 **stats_counter**
- __le16 **reserved0**

9.1048.1 Detailed Description

Definition at line 3038 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.1049 tstorm_per_port_stats Struct Reference

Public Attributes

- __le32 **mac_filter_discard**
- __le32 **xxoverflow_discard**
- __le32 **brb_truncate_discard**
- __le32 **mac_discard**

9.1049.1 Detailed Description

Definition at line 3028 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.1050 tstorm_tcp_st_context_section Struct Reference

Public Attributes

- u32 **flags1**
- u32 **flags2**
- u32 **rcv_nxt**
- u32 **timestamp_recent**
- u32 **timestamp_recent_time**
- u32 **cwnd**
- u32 **ss_thresh**
- u32 **cwnd_accum**
- u32 **prev_seg_seq**
- u32 **expected_rel_seq**
- u32 **recover**
- u32 **retransmit_start_time**
- u32 **ka_timeout**
- u32 **ka_interval**

- u32 **isle_start_seq**
- u32 **isle_end_seq**
- u32 **reserved4**
- u32 **max_rt_time**
- u32 **msb_mac_address**
- u32 **reserved2**

9.1050.1 Detailed Description

Definition at line 778 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
  defs.h

9.1051 tstorm_tcp_tcp_ag_context_section Struct Reference

Public Attributes

- u32 **__agg_val1**
- u32 **snd_nxt**
- u32 **rtt_seq**
- u32 **rtt_time**
- u32 **__reserved66**
- u32 **wnd_right_edge**
- u32 **tcp_agg_vars1**
- u32 **snd_max**
- u32 **snd_una**
- u32 **__reserved2**

9.1051.1 Detailed Description

Definition at line 1393 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
  defs.h

9.1052   tx_bd Struct Reference

Public Attributes

- u32 **tx_bd_haddr_hi**
- u32 **tx_bd_haddr_lo**
- u32 **tx_bd_mss_nbytes**
- u32 **tx_bd_vlan_tag_flags**

9.1052.1   Detailed Description

Definition at line 928 of file bnx2.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/bnx2.h

9.1053   TX_ELEMENT Struct Reference

Public Attributes

- ETHER **destin**
- ETHER **source**
- WORD **proto**
- BYTE **data** [TX_BUF_SIZE]

9.1053.1   Detailed Description

Definition at line 84 of file pktdrvr.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/msdos/pktdrvr.h

9.1054   tx_ring_info Struct Reference

Public Attributes

- struct sk_buff ∗ **skb**
- dma_addr_t **mapping**
- u32 **prev_vlan_tag**

9.1054.1 Detailed Description

Definition at line 2413 of file tg3.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.102/tg3.h
- src/extern/PF_RING-4.7.0/drivers/broadcom/tg3/tg3-3.99k/tg3.h

9.1055 udphdr Struct Reference

Public Attributes

- u_int16_t **source**
- u_int16_t **dest**
- u_int16_t **len**
- u_int16_t **check**
- u_int16_t **uh_sport**
- u_int16_t **uh_dport**
- u_int16_t **uh_ulen**
- u_int16_t **uh_sum**

9.1055.1 Detailed Description

Definition at line 70 of file pfring_utils.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/userland/lib/pfring_utils.h
- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/udp.h

9.1056 un_tos Union Reference

Public Attributes

- struct tos_link **link**
- struct tos_metric **metrics**

9.1056.1 Detailed Description

Definition at line 159 of file ospf.h.

The documentation for this union was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/ospf.h

9.1057   unit Struct Reference

Public Attributes

- char ∗ **ip**
- int **fd**
- int **find_fd**
- int **first_time**
- struct sockaddr_in ∗ **serv_addr**
- int **chassis**
- int **geoslot**
- iface_t ∗ **iface**
- char ∗ **imsg**
- int **len**

9.1057.1   Detailed Description

Definition at line 64 of file pcap-sita.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap-sita.c

9.1058   ustorm_common_stats Struct Reference

Public Attributes

- struct ustorm_per_client_stats **client_statistics** [MAX_U_STAT_COUNTER_ID]

9.1058.1   Detailed Description

Definition at line 3079 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.1059   ustorm_eth_ag_context Struct Reference

Public Attributes

- u32 **__agg_misc4**
- u32 **__agg_val1**
- u32 **__agg_misc4_th**

9.1059.1 Detailed Description

Definition at line 2018 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.1060 ustorm_eth_rx_pause_data_e1h Struct Reference

9.1060.1 Detailed Description

Definition at line 2871 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.1061 ustorm_eth_rx_producers Struct Reference

9.1061.1 Detailed Description

Definition at line 2906 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.1062 ustorm_eth_st_context Struct Reference

Public Attributes

- struct ustorm_eth_st_context_config **common**
- struct eth_local_rx_rings **__rings**

9.1062.1 Detailed Description

Definition at line 1723 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.1063 ustorm_eth_st_context_config Struct Reference

Public Attributes

- u32 **bd_page_base_lo**
- u32 **bd_page_base_hi**
- u32 **sge_page_base_lo**
- u32 **sge_page_base_hi**
- struct [regpair](#) **reserved2**

9.1063.1 Detailed Description

Definition at line 1606 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.1064 ustorm_iscsi_ag_context Struct Reference

Public Attributes

- u32 **agg_misc4**
- u32 **agg_val1**
- u32 **agg_misc4_th**

9.1064.1 Detailed Description

Definition at line 1662 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-defs.h

9.1065 ustorm_iscsi_cq_db Struct Reference

Public Attributes

- struct [regpair](#) **curr_pbe**

9.1065.1 Detailed Description

Definition at line 606 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
  defs.h

9.1066 ustorm_iscsi_placement_db Struct Reference

Public Attributes

- u32 **sgl_base_lo**
- u32 **sgl_base_hi**
- u32 **local_sge_0_address_hi**
- u32 **local_sge_0_address_lo**
- u32 **local_sge_1_address_hi**
- u32 **local_sge_1_address_lo**
- u32 **rem_pdu**
- u32 **place_db_bitfield_1**
- u32 **place_db_bitfield_2**
- u32 **nal**

9.1066.1 Detailed Description

Definition at line 637 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
  defs.h

9.1067 ustorm_iscsi_r2tq_db Struct Reference

Public Attributes

- struct [regpair](#) **pbl_base**
- struct [regpair](#) **curr_pbe**

9.1067.1 Detailed Description

Definition at line 598 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-defs.h

9.1068   ustorm_iscsi_rq_db Struct Reference

Public Attributes

- struct [regpair](#) **pbl_base**
- struct [regpair](#) **curr_pbe**

9.1068.1   Detailed Description

Definition at line 590 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-defs.h

9.1069   ustorm_iscsi_st_context Struct Reference

Public Attributes

- u32 **exp_stat_sn**
- u32 **exp_data_sn**
- struct [rings_db](#) **ring**
- struct [regpair](#) **task_pbl_base**
- struct [regpair](#) **tce_phy_addr**
- struct [ustorm_iscsi_placement_db](#) **place_db**
- u32 **data_rcv_seq**
- u32 **rem_rcv_len**
- u32 **nal_bytes**
- u32 **task_stat**
- u32 **negotiated_rx**
- u32 **negotiated_rx_and_flags**

9.1069.1   Detailed Description

Definition at line 692 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-defs.h

9.1070 ustorm_per_client_stats Struct Reference

Public Attributes

- struct [regpair](#) **ucast_no_buff_bytes**
- struct [regpair](#) **mcast_no_buff_bytes**
- struct [regpair](#) **bcast_no_buff_bytes**
- __le32 **ucast_no_buff_pkts**
- __le32 **mcast_no_buff_pkts**
- __le32 **bcast_no_buff_pkts**
- __le16 **stats_counter**
- __le16 **reserved0**

9.1070.1 Detailed Description

Definition at line 3065 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.1071 valnode Struct Reference

Public Attributes

- int **code**
- int **v0**
- int **v1**
- int **val**
- struct [valnode](#) ∗ **next**

9.1071.1 Detailed Description

Definition at line 560 of file optimize.c.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/optimize.c
- src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/sfbpf/sf_optimize.c

9.1072   verifmsg Struct Reference

Public Attributes

- byte **ve_flags**
- word **ve_src**
- byte **ve_fcnval**

9.1072.1   Detailed Description

Definition at line 178 of file decnet.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/decnet.h

9.1073   vf_data_storage Struct Reference

Public Attributes

- unsigned char **vf_mac_addresses** [ETH_ALEN]
- u16 **vf_mc_hashes** [IGB_MAX_VF_MC_ENTRIES]
- u16 **num_vf_mc_hashes**
- u16 **default_vf_vlan_id**
- u16 **vlans_enabled**
- unsigned char **em_mac_addresses** [MAX_EMULATION_MAC_ADDRS ∗ETH_-ALEN]
- u32 **uta_table_copy** [IGB_MAX_UTA_ENTRIES]
- u32 **flags**
- unsigned long **last_nack**
- bool **clear_to_send**
- struct vf_stats **vfstats**
- struct vf_stats **last_vfstats**
- struct vf_stats **saved_rst_vfstats**
- bool **pf_set_mac**
- u16 **pf_vlan**
- u16 **pf_qos**
- u16 **tx_rate**

9.1073.1   Detailed Description

Definition at line 117 of file igb.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/igb/igb-3.0.22/src/igb.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe.h

9.1074 vf_stats Struct Reference

Public Attributes

- u64 **gprc**
- u64 **gorc**
- u64 **gptc**
- u64 **gotc**
- u64 **mprc**

9.1074.1 Detailed Description

Definition at line 160 of file ixgbe.h.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.1.15-FlowDirector-NoTNAPI/src/ixgbe.h
- src/extern/PF_RING-4.7.0/drivers/intel/ixgbe/ixgbe-3.3.9-DNA/src/ixgbe.h

9.1075 virtual_filtering_device_info Struct Reference

Public Attributes

- char **device_name** [16]
- pfring_device_type **device_type**
- struct proc_dir_entry ∗ **proc_entry**

9.1075.1 Detailed Description

Definition at line 581 of file pf_ring.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/kernel/linux/pf_ring.h

9.1076 vlan_tag Struct Reference

Public Attributes

- u_int16_t **vlan_tpid**

- u_int16_t **vlan_tci**

9.1076.1 Detailed Description

Definition at line 39 of file vlan.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/pcap/vlan.h

9.1077 vmapinfo Struct Reference

Public Attributes

- int **is_const**
- bpf_int32 **const_val**

9.1077.1 Detailed Description

Definition at line 575 of file optimize.c.

The documentation for this struct was generated from the following files:

- src/extern/PF_RING-4.7.0/userland/libpcap-1.1.1-ring/optimize.c
- src/extern/PF_RING-4.7.0/userland/snort/daq-0.5/sfbpf/sf_optimize.c

9.1078 vpfring_eventfd_info Struct Reference

Public Attributes

- u_int32_t **id**
- int32_t **fd**

9.1078.1 Detailed Description

Definition at line 1094 of file pf_ring.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/kernel/linux/pf_ring.h

9.1079　vqp_common_header_t Struct Reference

Public Attributes

- u_int8_t **version**
- u_int8_t **msg_type**
- u_int8_t **error_code**
- u_int8_t **nitems**
- u_int8_t **sequence** [4]

9.1079.1　Detailed Description

Definition at line 54 of file print-vqp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-vqp.c

9.1080　vqp_obj_tlv_t Struct Reference

Public Attributes

- u_int8_t **obj_type** [4]
- u_int8_t **obj_length** [2]

9.1080.1　Detailed Description

Definition at line 62 of file print-vqp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-vqp.c

9.1081　vtp_vlan_ Struct Reference

Public Attributes

- u_int8_t **len**
- u_int8_t **status**
- u_int8_t **type**
- u_int8_t **name_len**
- u_int16_t **vlanid**
- u_int16_t **mtu**
- u_int32_t **index**

9.1081.1 Detailed Description

Definition at line 50 of file print-vtp.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-vtp.c

9.1082 wreg_addr Struct Reference

Public Attributes

- u32 **addr**
- u32 **size**
- u32 **read_regs_count**
- const u32 ∗ **read_regs**
- u16 **info**

9.1082.1 Detailed Description

Definition at line 65 of file bnx2x_dump.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_- dump.h

9.1083 xid_map_entry Struct Reference

Public Attributes

- u_int32_t **xid**
- int **ipver**
- struct in_addr **client**
- struct in_addr **server**
- u_int32_t **proc**
- u_int32_t **vers**

9.1083.1 Detailed Description

Definition at line 906 of file print-nfs.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-nfs.c

9.1084 xstorm_common_context_section Struct Reference

Public Attributes

- struct [xstorm_eth_context_section](#) **ethernet**
- union [xstorm_ip_context_section_types](#) **ip_union**
- struct [xstorm_tcp_context_section](#) **tcp**

9.1084.1 Detailed Description

Definition at line 2020 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
defs.h

9.1085 xstorm_common_stats Struct Reference

Public Attributes

- struct [xstorm_per_client_stats](#) **client_statistics** [MAX_X_STAT_COUNTER_ID]

9.1085.1 Detailed Description

Definition at line 3021 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-
hsi.h

9.1086 xstorm_def_status_block Struct Reference

Public Attributes

- __le16 **index_values** [HC_XSTORM_DEF_SB_NUM_INDICES]
- __le16 **status_block_index**
- u8 **func**
- u8 **status_block_id**
- __le32 **__flags**

9.1086.1 Detailed Description

Definition at line 2336 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.1087   xstorm_eth_ag_context Struct Reference

Public Attributes

- u32 **__bd_prod**
- struct [xstorm_eth_extra_ag_context_section](#) **__extra_section**
- u32 **__agg_vars8**
- u32 **__reserved57**
- u32 **__agg_misc4**
- u32 **__agg_misc5**

9.1087.1   Detailed Description

Definition at line 1807 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.1088   xstorm_eth_context_section Struct Reference

9.1088.1   Detailed Description

Definition at line 1820 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-defs.h

9.1089 xstorm_eth_extra_ag_context_section Struct Reference

Public Attributes

- u32 **__snd_nxt**
- u32 **__tx_wnd**
- u32 **__snd_una**
- u32 **__reserved53**
- u32 **__reserved58**
- u32 **__reserved59**
- u32 **__reserved60**
- u32 **__reserved61**
- u32 **__tcp_agg_vars6**
- u32 **__agg_val10**
- u32 **__agg_val10_th**

9.1089.1 Detailed Description

Definition at line 1738 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.1090 xstorm_eth_st_context Struct Reference

Public Attributes

- u32 **tx_bd_page_base_lo**
- u32 **tx_bd_page_base_hi**
- u32 **__reserved1**
- u32 **__reserved2**
- union eth_tx_bd_types **__bds** [13]

9.1090.1 Detailed Description

Definition at line 2199 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.1091 xstorm_ip_context_section_types Union Reference

Public Attributes

- struct [xstorm_padded_ip_v4_context_section](#) **padded_ip_v4**
- struct [xstorm_ip_v6_context_section](#) **ip_v6**

9.1091.1 Detailed Description

Definition at line 1947 of file cnic_defs.h.

The documentation for this union was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
defs.h

9.1092 xstorm_ip_v4_context_section Struct Reference

Public Attributes

- u32 **ip_local_addr**
- u32 **__pbf_hdr_cmd_rsvd_1**
- u32 **ip_remote_addr**

9.1092.1 Detailed Description

Definition at line 1878 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
defs.h

9.1093 xstorm_ip_v6_context_section Struct Reference

Public Attributes

- u32 **priority_flow_label**
- u32 **ip_local_addr_lo_hi**
- u32 **ip_local_addr_lo_lo**
- u32 **ip_local_addr_hi_hi**
- u32 **ip_local_addr_hi_lo**

- u32 **ip_remote_addr_lo_hi**
- u32 **ip_remote_addr_lo_lo**
- u32 **ip_remote_addr_hi_hi**
- u32 **ip_remote_addr_hi_lo**

9.1093.1 Detailed Description

Definition at line 1920 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-defs.h

9.1094 xstorm_iscsi_ag_context Struct Reference

Public Attributes

- u32 **more_to_send**
- struct [xstorm_tcp_tcp_ag_context_section](#) **tcp**
- u32 **agg_vars8**
- u32 **hq_cons_tcp_seq**
- u32 **exp_stat_sn**
- u32 **agg_misc5**

9.1094.1 Detailed Description

Definition at line 1133 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-defs.h

9.1095 xstorm_iscsi_context_flags Struct Reference

Public Attributes

- u8 **flags**

9.1095.1 Detailed Description

Definition at line 2054 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
defs.h

9.1096 xstorm_iscsi_context_section Struct Reference

Public Attributes

- u32 **first_burst_length**
- u32 **max_send_pdu_length**
- struct [regpair](#) **sq_pbl_base**
- struct [regpair](#) **sq_curr_pbe**
- struct [regpair](#) **hq_pbl_base**
- struct [regpair](#) **hq_curr_pbe_base**
- struct [regpair](#) **r2tq_pbl_base**
- struct [regpair](#) **r2tq_curr_pbe_base**
- struct [regpair](#) **task_pbl_base**
- u32 **seq_more_2_send**
- u32 **pdu_more_2_send**
- struct [iscsi_task_context_entry_x](#) **temp_tce_x**
- struct [iscsi_task_context_entry_xuc_x_write_only](#) **temp_tce_x_wr**
- struct [iscsi_task_context_entry_xuc_xu_write_both](#) **temp_tce_xu_wr**
- struct [regpair](#) **lun**
- u32 **exp_data_transfer_len_ttt**
- u32 **pdu_data_2_rxmit**
- u32 **rxmit_bytes_2_dr**
- u32 **hq_rxmit_tcp_seq**

9.1096.1 Detailed Description

Definition at line 2101 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
defs.h

9.1097 xstorm_iscsi_st_context Struct Reference

Public Attributes

- struct [xstorm_common_context_section](#) **common**
- struct [xstorm_iscsi_context_section](#) **iscsi**

9.1097.1 Detailed Description

Definition at line 2179 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
  defs.h

9.1098 xstorm_l5cm_tcp_flags Struct Reference

Public Attributes

- u8 **flags**

9.1098.1 Detailed Description

Definition at line 2485 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-
  defs.h

9.1099 xstorm_padded_ip_v4_context_section Struct Reference

Public Attributes

- struct [xstorm_ip_v4_context_section](#) **ip_v4**
- u32 **reserved1** [4]

9.1099.1 Detailed Description

Definition at line 1912 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-defs.h

9.1100 xstorm_per_client_stats Struct Reference

Public Attributes

- __le32 **reserved0**
- __le32 **unicast_pkts_sent**
- struct [regpair] **unicast_bytes_sent**
- struct [regpair] **multicast_bytes_sent**
- __le32 **multicast_pkts_sent**
- __le32 **broadcast_pkts_sent**
- struct [regpair] **broadcast_bytes_sent**
- __le16 **stats_counter**
- __le16 **reserved1**
- __le32 **reserved2**

9.1100.1 Detailed Description

Definition at line 3005 of file bnx2x_hsi.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2x-1.52.12/src/bnx2x_-hsi.h

9.1101 xstorm_tcp_context_section Struct Reference

Public Attributes

- u32 **snd_max**
- u32 **reserved2**
- u32 **ts_time_diff**
- u32 **__next_timer_expir**

9.1101.1 Detailed Description

Definition at line 1955 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-defs.h

9.1102 xstorm_tcp_tcp_ag_context_section Struct Reference

Public Attributes

- u32 **snd_nxt**
- u32 **tx_wnd**
- u32 **snd_una**
- u32 **local_adv_wnd**
- u32 **ack_to_far_end**
- u32 **rto_timer**
- u32 **ka_timer**
- u32 **ts_to_echo**
- u32 **tcp_agg_vars6**
- u32 **__agg_val10**
- u32 **__agg_val10_th**

9.1102.1 Detailed Description

Definition at line 968 of file cnic_defs.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/broadcom/netxtreme2-5.2.50/bnx2-2.0.8b/src/cnic_-defs.h

9.1103 z_packet Struct Reference

Public Attributes

- char ∗ **version**
- int **numfields**
- int **kind**
- char ∗ **uid**
- int **port**
- int **auth**
- int **authlen**
- char ∗ **authdata**
- char ∗ **class**
- char ∗ **inst**
- char ∗ **opcode**
- char ∗ **sender**
- const char ∗ **recipient**
- char ∗ **format**
- int **cksum**
- int **multi**
- char ∗ **multi_uid**

9.1103.1 Detailed Description

Definition at line 40 of file print-zephyr.c.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/print-zephyr.c

9.1104 zipHeader Struct Reference

Public Attributes

- u_int8_t **command**
- u_int8_t **netcount**

9.1104.1 Detailed Description

Definition at line 144 of file appletalk.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/userland/tcpdump-4.1.1/appletalk.h

9.1105 zmcp_info Struct Reference

Public Attributes

- unsigned **info_len**
- unsigned **zmcp_addr**
- unsigned **zmcp_len**
- unsigned **mcp_edata**

9.1105.1 Detailed Description

Definition at line 87 of file mcp_gen_header.h.

The documentation for this struct was generated from the following file:

- src/extern/PF_RING-4.7.0/drivers/myricom/myri10ge-linux.1.5.1/firmware/mcp_gen_-header.h

Chapter 10

File Documentation

10.1 src/extern/PF_RING-4.7.0/drivers/myricom/myri10ge-linux.1.5.1/firmware/mcp_gen_header.h File Reference

Classes

- struct mcp_gen_header
- struct zmcp_info

Defines

- #define **MCP_HEADER_PTR_OFFSET** 0x3c
- #define **MCP_TYPE_MX** 0x4d582020
- #define **MCP_TYPE_PCIE** 0x70636965
- #define **MCP_TYPE_ETH** 0x45544820
- #define **MCP_TYPE_MCP0** 0x4d435030
- #define **MCP_TYPE_DFLT** 0x20202020
- #define **MCP_TYPE_ETHZ** 0x4554485a

Typedefs

- typedef struct mcp_gen_header **mcp_gen_header_t**

10.1.1 Detailed Description

This file define a standard header used as a first entry point to exchange information between firmware/driver and driver.

The header structure can be anywhere in the mcp. It will usually be in the .data section, because some fields needs to be initialized at compile time.

The 32bit word at offset MX_HEADER_PTR_OFFSET in the mcp must contains the location of the header.

Typically a MCP will start with the following:

```
.text
  .space 52    ! to help catch MEMORY_INT errors
 bt start      ! jump to real code
 nop
 .long _gen_mcp_header
```

The source will have a definition like:

```
mcp_gen_header_t gen_mcp_header = {
   .header_length = sizeof(mcp_gen_header_t),
   .mcp_type = MCP_TYPE_XXX,
   .version = "something $Id: mcp_gen_header.h,v 1.9 2009-02-27 16:29:36 loic
   Exp $",
   .mcp_globals = (unsigned)&Globals
};
```

In most case using the convenience MCP_GEN_HEADER_DECL() macro is simpler than doing a full manual declaration.

Definition in file mcp_gen_header.h.