Appendix A Scapy Reference

For knowledge seekers and lookers-up

A.1 Protocols

Table A.1 Scapy protocols

Name	Description
ARP	ARP
ASN1_Packet	None
ВООТР	ВООТР
CookedLinux	Cooked linux
DHCP	DHCP options
DHCP6	DHCPv6 Generic Message
DHCP6OptAuth	DHCP6 Option – Authentication
DHCP6OptBCMCSDomains	DHCP6 Option – BCMCS Domain Name List
DHCP6OptBCMCSServers	DHCP6 Option – BCMCS Addresses List
DHCP6OptClientFQDN	DHCP6 Option – Client FQDN
DHCP6OptClientId	DHCP6 Client Identifier Option
DHCP6OptDNSDomains	DHCP6 Option – Domain Search List option
DHCP6OptDNSServers	DHCP6 Option – DNS Recursive Name Server
DHCP6OptElapsedTime	DHCP6 Elapsed Time Option
DHCP6OptGeoConf	
DHCP6OptIAAddress	DHCP6 IA Address Option (IA_TA or IA_NA
DUGD(O ILAD C	suboption)
DHCP6OptIAPrefix	DHCP6 Option – IA_PD Prefix option
DHCP6OptIA_NA	DHCP6 Identity Association for Non-temporary Addresses Option
DHCP6OptIA_PD	DHCP6 Option - Identity Association for Prefix
	Delegation
DHCP6OptIA_TA	DHCP6 Identity Association for Temporary Addresses Option

Table A.1 (continued)

<u> </u>	
DHCP6OptIfaceId	DHCP6 Interface-Id Option
DHCP6OptInfoRefreshTime	DHCP6 Option – Information Refresh Time
DHCP6OptNISDomain	DHCP6 Option – NIS Domain Name
DHCP6OptNISPDomain	DHCP6 Option – NIS+ Domain Name
DHCP6OptNISPServers	DHCP6 Option – NIS+ Servers
DHCP6OptNISServers	DHCP6 Option – NIS Servers
DHCP6OptOptReq	DHCP6 Option Request Option
DHCP6OptPref	DHCP6 Preference Option
DHCP6OptRapidCommit	DHCP6 Rapid Commit Option
DHCP6OptReconfAccept	DHCP6 Reconfigure Accept Option
DHCP6OptReconfMsg	DHCP6 Reconfigure Message Option
DHCP6OptRelayAgentERO	DHCP6 Option – RelayRequest Option
DHCP6OptRelayMsg	DHCP6 Relay Message Option
DHCP6OptRemoteID	DHCP6 Option – Relay Agent Remote-ID
DHCP6OptSIPDomains	DHCP6 Option – SIP Servers Domain Name List
DHCP6OptSIPServers	DHCP6 Option – SIP Servers IPv6 Address List
DHCP6OptSNTPServers	DHCP6 option – SNTP Servers
DHCP6OptServerId	DHCP6 Server Identifier Option
DHCP6OptServerUnicast	DHCP6 Server Unicast Option
DHCP6OptStatusCode	DHCP6 Status Code Option
DHCP6OptSubscriberID	DHCP6 Option – Subscriber ID
DHCP6OptUnknown	Unknown DHCPv6 OPtion
DHCP6OptUserClass	DHCP6 User Class Option
DHCP6OptVendorClass	DHCP6 Vendor Class Option
DHCP6OptVendorSpecificInfo	DHCP6 Vendor-specific Information Option
DHCP6_Advertise	DHCPv6 Advertise Message
DHCP6_Confirm	DHCPv6 Confirm Message
DHCP6_Decline	DHCPv6 Decline Message
DHCP6_InfoRequest	DHCPv6 Information Request Message
DHCP6_Rebind	DHCPv6 Rebind Message
DHCP6_Reconf	DHCPv6 Reconfigure Message

A.2 Functions

DHCP6_RelayForward	DHCPv6 Relay Forward Message (Relay Agent/Server Message)
DHCP6_RelayReply	DHCPv6 Relay Reply Message (Relay Agent/Server Message)
DHCP6_Release	DHCPv6 Release Message
DHCP6_Renew	DHCPv6 Renew Message

DHCP6_Reply	DHCPv6 Reply Message
DHCP6_Request	DHCPv6 Request Message
DHCP6_Solicit DNS	DHCPv6 Solicit Message DNS
DNSQR	DNS Question Record
DUID EN	DNS Resource Record
DUID_EN	DUID – Assigned by Vendor Based on Enterprise Number
DUID_LL	DUID – Based on Link-layer Address
DUID_LLT	DUID – Link-layer address plus time
Dot11	802.11
Dot11ATIM	802.11 ATIM
Dot11AssoReq	802.11 Association Request
Dot11AssoResp	802.11 Association Response
Dot11Auth	802.11 Authentication
Dot11Beacon	802.11 Beacon
Dot11Deauth	802.11 Deauthentication
Dot11Disas	802.11 Disassociation
Dot11Elt	802.11 Information Element
Dot11ProbeReq	802.11 Probe Request
Dot11ProbeResp	802.11 Probe Response
Dot11QoS	802.11 QoS
Dot11ReassoReq	802.11 Reassociation Request
Dot11ReassoResp	802.11 Reassociation Response
Dot11WEP	802.11 WEP packet
Dot1Q	802.1Q
Dot3	802.3
EAP	EAP
EAPOL	EAPOL
Ether	Ethernet
GPRS	GPRSdummy
GRE	GRE
GRErouting	GRE routing informations
HAO	Home Address Option
HBHOptUnknown	Scapy6 Unknown Option
HCI_ACL_Hdr	HCI ACL header
HCI Hdr	HCI header
HDLC	None
HSRP	HSRP
ICMP	ICMP
ICMPerror	ICMP in ICMP
ICMPv6DestUnreach	ICMPv6 Destination Unreachable
Telli (obestementi	10.11 to Destination Officachaole

ICMPv6EchoReply	ICMPv6 Echo Reply
ICMPv6EchoRequest	ICMPv6 Echo Request
ICMPv6HAADReply	ICMPv6 Home Agent Address Discovery Reply
ICMPv6HAADRequest	ICMPv6 Home Agent Address Discovery Request
ICMPv6MLDone	MLD – Multicast Listener Done
ICMPv6MLQuery	MLD – Multicast Listener Query
ICMPv6MLReport	MLD – Multicast Listener Report
ICMPv6MPAdv	ICMPv6 Mobile Prefix Advertisement
ICMPv6MPSol	ICMPv6 Mobile Prefix Solicitation
ICMPv6MRD_Advertisement	ICMPv6 Multicast Router Discovery Advertisement
ICMPv6MRD_Solicitation	ICMPv6 Multicast Router Discovery Solicitation
ICMPv6MRD_Termination	ICMPv6 Multicast Router Discovery Termination
ICMPv6NDOptAdvInterval	ICMPv6 Neighbor Discovery – Interval Advertisement
	ICMPv6 Neighbor Discovery Option – Destination
ICMPv6NDOptDstLLAddr	Link-Layer Address
ICMPv6NDOptEFA	ICMPv6 Neighbor Discovery Option – Expanded Flags Option
ICMPv6NDOptHAInfo	ICMPv6 Neighbor Discovery – Home Agent Information
ICMPv6NDOptIPAddr	ICMPv6 Neighbor Discovery – IP Address Option (FH for MIPv6)
ICMPv6NDOptLLA	ICMPv6 Neighbor Discovery – Link-Layer Address (LLA) Option (FH for MIPv6)
ICMPv6NDOptMAP	ICMPv6 Neighbor Discovery – MAP Option
ICMPv6NDOptMTU	ICMPv6 Neighbor Discovery Option – MTU
ICMPv6NDOptNewRtrPrefix	ICMPv6 Neighbor Discovery – New Router Prefix Information Option (FH for MIPv6)
ICMPv6NDOptPrefixInfo	ICMPv6 Neighbor Discovery Option – Prefix Information
ICMPv6NDOptRDNSS	ICMPv6 Neighbor Discovery Option – Recursive DNS Server Option
ICMPv6NDOptRedirectedHdr	ICMPv6 Neighbor Discovery Option – Redirected Header
ICMPv6NDOptRouteInfo	ICMPv6 Neighbor Discovery Option – Route Information Option
ICMPv6NDOptShortcutLimit	ICMPv6 Neighbor Discovery Option – NBMA Shortcut Limit
ICMPv6NDOptSrcAddrList	ICMPv6 Inverse Neighbor Discovery Option – Source Address List
ICMPv6NDOptSrcLLAddr	ICMPv6 Neighbor Discovery Option – Source Link-Layer Address
ICMPv6NDOptTgtAddrList	ICMPv6 Inverse Neighbor Discovery Option – Target Address List
ICMPv6NDOptUnknown	ICMPv6 Neighbor Discovery Option – Scapy Unimplemented
ICMD (ND DIDA I	ICMPv6 Inverse Neighbor Discovery Advertisement
ICMPv6ND_INDAdv	Term vo inverse renginoor Discovery havertisement

ICMPv6ND_NA	ICMPv6 Neighbor Discovery – Neighbor Advertisement
ICMPv6ND NS	ICMPv6 Neighbor Discovery – Neighbor Solicitation
ICMPv6ND_RA	ICMPv6 Neighbor Discovery – Router Advertisement
ICMPv6ND RS	ICMPv6 Neighbor Discovery – Router Solicitation
ICMPv6ND_Redirect	ICMPv6 Neighbor Discovery – Redirect
ICMPv6NIQueryIPv4	ICMPv6 Node Information Query – IPv4 Address Query
ICMPv6NIQueryIPv6	ICMPv6 Node Information Query – IPv6 Address Query
ICMPv6NIQueryNOOP	ICMPv6 Node Information Query – NOOP Query
ICMPv6NIQueryName	ICMPv6 Node Information Query – IPv6 Name Query
ICMPv6NIReplyIPv4	ICMPv6 Node Information Reply – IPv4 addresses
ICMPv6NIReplyIPv6	ICMPv6 Node Information Reply – IPv6 addresses
ICMPv6NIReplyNOOP	ICMPv6 Node Information Reply – NOOP Reply
ICMPv6NIReplyName	ICMPv6 Node Information Reply – Node Names
ICMPv6NIReplyRefuse	ICMPv6 Node Information Reply – Responder refuses to supply answer
ICMPv6NIReplyUnknown	ICMPv6 Node Information Reply – Qtype unknown to
	the responder
ICMPv6PacketTooBig	ICMPv6 Packet Too Big
ICMPv6ParamProblem	ICMPv6 Parameter Problem
ICMPv6TimeExceeded	ICMPv6 Time Exceeded
ICMPv6Unknown	Scapy6 ICMPv6 fallback class
IP	IP
IPOption	None
IPOption_Address_Extension	IP Option Address Extension
IPOption_EOL	None
IPOption_LSRR	IP Option Loose Source and Record Route
IPOption_MTU_Probe	IP Option MTU Probe
IPOption_MTU_Reply	IP Option MTU Reply
IPOption_NOP	None
IPOption_RR	IP Option Record Route
IPOption_Router_Alert	IP Option Router Alert
IPOption_SDBM	IP Option Selective Directed Broadcast Mode
IPOption_SSRR	IP Option Strict Source and Record Route
IPOption_Security	None
IPOption_Stream_Id	IP Option Stream ID
IPOption_Traceroute	None
IPerror	IP in ICMP
IPerror6	IPv6 in ICMPv6
IPv6	IPv6
IPv6ExtHdrDestOpt	IPv6 Extension Header – Destination Options Header
IPv6ExtHdrFragment	IPv6 Extension Header – Fragmentation header
IPv6ExtHdrHopByHop	IPv6 Extension Header – Hop-by-Hop Options Header
IPv6ExtHdrRouting	IPv6 Option Header Routing
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ISAKMP ISAKMP_class	ISAKMP
_	None
ISAKMP_payload	ISAKMP payload
ISAKMP_payload_Hash	ISAKMP Hash
ISAKMP_payload_ID	ISAKMP Identification
ISAKMP_payload_KE	ISAKMP Key Exchange
ISAKMP_payload_Nonce	ISAKMP Nonce
ISAKMP_payload_Proposal	IKE proposal
ISAKMP_payload_SA	ISAKMP SA
ISAKMP_payload_Transform	IKE Transform
	ISAKMP Vendor ID
ISAKMP_payload_VendorID	IrDA Link Access Protocol Command
IrLAPCommand	
IrLAPHead	IrDA Link Access Protocol Header
IrLMP	IrDA Link Management Protocol
Jumbo	Jumbo Payload
L2CAP_CmdHdr	L2CAP Command header
L2CAP_CmdRej	L2CAP Command Rej
L2CAP_ConfReq	L2CAP Conf Req
L2CAP_ConfResp	L2CAP Conf Resp
L2CAP_ConnReq	L2CAP Conn Req
L2CAP_ConnResp	L2CAP Conn Resp
L2CAP_DisconnReq	L2CAP Disconn Req
L2CAP_DisconnResp	L2CAP Disconn Resp
L2CAP_Hdr	L2CAP header
L2CAP_InfoReq	L2CAP Info Req
L2CAP_InfoResp	L2CAP Info Resp
L2TP	None
LLC	LLC
LLMNRQuery	Link Local Multicast Node Resolution – Query
LLMNRResponse	Link Local Multicast Node Resolution – Response
MGCP	MGCP
MIP6MH_BA	IPv6 Mobility Header – Binding ACK
MIP6MH_BE	IPv6 Mobility Header – Binding Error
MIP6MH_BRR	IPv6 Mobility Header – Binding Refresh Request
MIP6MH_BU	IPv6 Mobility Header – Binding Update
MIP6MH_CoT	IPv6 Mobility Header – Care-of Test
MIP6MH_CoTI	IPv6 Mobility Header – Care-of Test Init
MIP6MH_Generic	IPv6 Mobility Header – Generic Message
MIP6MH_HoT	IPv6 Mobility Header – Home Test
MIP6MH_HoTI	IPv6 Mobility Header – Home Test Init
MIP6OptAltCoA	MIPv6 Option – Alternate Care-of Address
MIP6OptBRAdvice	Mobile IPv6 Option – Binding Refresh Advice
MIP6OptBindingAuthData	MIPv6 Option – Binding Authorization Data
MIP6OptCGAParams	MIPv6 option – CGA Parameters

MIDCONCCADO	MID-Continu CCA Domini D
MIP6OptCGAParamsReq	MIPv6 option – CGA Parameters Request
MIP6OptCareOfTest	MIPv6 option – Care-of Test
MIP6OptCareOfTestInit	MIPv6 option – Care-of Test Init
MIP6OptHomeKeygenToken	MIPv6 option – Home Keygen Token
MIP6OptLLAddr	MIPv6 Option – Link-Layer Address (MH-LLA)
MIP6OptMNID	MIPv6 Option – Mobile Node Identifier
MIP6OptMobNetPrefix	NEMO Option – Mobile Network Prefix
MIP6OptMsgAuth	MIPv6 Option – Mobility Message Authentication
MIP6OptNonceIndices	MIPv6 Option – Nonce Indices
MIP6OptReplayProtection	MIPv6 option – Replay Protection
MIP6OptSignature	MIPv6 option – Signature
MIP6OptUnknown	Scapy6 – Unknown Mobility Option
MobileIP	Mobile IP (RFC3344)
MobileIPRRP	Mobile IP Registration Reply (RFC3344)
MobileIPRRQ	Mobile IP Registration Request (RFC3344)
MobileIPTunnelData	Mobile IP Tunnel Data Message (RFC3519)
NBNSNodeStatusResponse	NBNS Node Status Response
NBNSNodeStatusResponseEnd	NBNS Node Status Response
NBNSNodeStatusResponseService	NBNS Node Status Response Service
NBNSQueryRequest	NBNS query request
NBNSQueryResponse	NBNS query response
NBNSQueryResponseNegative	NBNS query response (negative)
NBNSRequest	NBNS request
NBNSWackResponse	NBNS Wait for Acknowledgement Response
NBTDatagram	NBT Datagram Packet
NBTSession	NBT Session Packet
NTP	NTP
NetBIOS_DS	NetBIOS datagram service
NetflowHeader	Netflow Header
NetflowHeaderV1	Netflow Header V1
NetflowRecordV1	Netflow Record
NoPayload	None
PPI	Per-Packet Information header (partial)
PPP	PPP Link Layer
PPP_ECP	None
PPP_ECP_Option	PPP ECP Option
PPP_ECP_Option_OUI	PPP ECP Option
PPP_IPCP	None
PPP_IPCP_Option	PPP IPCP Option
PPP_IPCP_Option_DNS1	PPP IPCP Option& DNS1 Address
PPP_IPCP_Option_DNS2	PPP IPCP Option& DNS2 Address
PPP_IPCP_Option_IPAddress	PPP IPCP Option& IP Address
PPP_IPCP_Option_NBNS1	PPP IPCP Option& NBNS1 Address
	(continue to

PPPOE PPPOED PPP over Ethernet PPPOED PPPOED PPP over Ethernet Discovery Packet None Padl Padl Padl Padl PadN PadN Padding Padding PrismHeader Prism header PseudoIPv6 PseudoIPv6 Header RIP RIP header RIPAuth RIP authentication RIPEntry RIP entry RTP RadioTap RadioTap dummy Radius Radius Raw Raw Raw Raw RouterAlert Router Alert SCTPC None SCTPChunkCookieAck None SCTPChunkData None SCTPChunkInit None SCTPChunkInit None SCTPChunkParamEvGSapable None SCTPChunkParamEvGSapable None SCTPChunkParamIpv6Addr None	PPP_IPCP_Option_NBNS2	PPP IPCP Option& NBNS2 Address
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RIP Auth RIP authentication RIPAuth RIP authentication RIPEntry RIP entry RTP RAdioTap RAdioTap dummy Radius Radius Raw Raw RouterAlert Router Alert SCTP None SCTPChunkAbort None SCTPChunkCookieAck None SCTPChunkCookieEcho None SCTPChunkData None SCTPChunkHeartbeatAck None SCTPChunkHeartbeatAck None SCTPChunkHeartbeatReq None SCTPChunkHait None SCTPChunkHamandaptationLayer None SCTPChunkParamAdaptationLayer None SCTPChunkParamHostname None SCTPChunkParamIpv4Addr None SCTPChunkParamSupportedAddrTypes None SCTPChunkParamSupportedAddrTypes None SCTPChunkParamUnrocognizedParam None SCTPChunkShutdown None SCTPChunkShutdown None SCTPChunkShutdownAck None SCTPChunkShutdownAck None		
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RouterAlert SCTP None SCTPChunkAbort None SCTPChunkCookieAck None SCTPChunkCookieEcho None SCTPChunkData None SCTPChunkError None SCTPChunkHeartbeatAck None SCTPChunkHeartbeatAck None SCTPChunkInit None SCTPChunkInit None SCTPChunkParamAdaptationLayer SCTPChunkParamCookiePreservative None SCTPChunkParamECNCapable None SCTPChunkParamHearbeatInfo None SCTPChunkParamHostname None SCTPChunkParamIPv4Addr None SCTPChunkParamIPv4Addr None SCTPChunkParamSupportedAddrTypes None SCTPChunkParamSupportedAddrTypes SCTPChunkParamUnrocognizedParam None SCTPChunkSACK None SCTPChunkShutdown None SCTPChunkShutdownAck None SCTPChunkShutdownAck None SCTPChunkShutdownComplete None		
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SMBNegociate_Protocol_Request	SMBNegociate Protocol Request
_Header	Header
SMBNegociate_Protocol	SMB Negociate Protocol
_Request_Tail	Request Tail
SMBNegociate_Protocol_Response_Advanced	SMBNegociate Protocol Response
_Security	Advanced Security
SMBNegociate_Protocol_Response	SMBNegociate Protocol Response
_No_Security	No Security
SMBNegociate_Protocol_Response_No	None
_Security_No_Key	
SMBNetlogon_Protocol	SMBNetlogon Protocol Response
_Response_Header	Header
SMBNetlogon_Protocol_Response	SMB Netlogon Protocol Response
_Tail_LM20	Tail LM20
SMBNetlogon_Protocol_Response	SMB Netlogon Protocol
_Tail_SAM	Response Tail SAM
SMBSession_Setup_AndX_Request	Session Setup AndX Request
SMBSession_Setup_AndX_Response	Session Setup AndX Response
SNAP	SNAP
SNMP	None
SNMPbulk	None
SNMPget	None
SNMPinform	None
SNMPnext	None
SNMPresponse	None
SNMPset	None
SNMPtrapv1	None
SNMPtrapv2	None
SNMPvarbind	None
STP	Spanning Tree Protocol
SebekHead	Sebek header
SebekV1	Sebek v1
SebekV2	Sebek v3
SebekV2Sock	Sebek v2 socket
SebekV3	Sebek v3
SebekV3Sock	Sebek v2 socket
Skinny	Skinny
TCP	TCP
TCPerror	TCP in ICMP
TFTP	TFTP opcode
TFTP_ACK	TFTP Ack
TFTP_DATA	TFTP Data
TFTP_ERROR	TFTP Error
TFTP OACK	TFTP Option Ack

TFTP_Option	None
TFTP_Options	None
TFTP_RRQ	TFTP Read Request
TFTP_WRQ	TFTP Write Request
UDP	UDP
UDPerror	UDP in ICMP
USER_CLASS_DATA	user class data
VENDOR_CLASS_DATA	vendor class data
VENDOR_SPECIFIC_OPTION	vendor specific option data
VRRP	None
X509Cert	None
X509RDN	None
X509v3Ext	None

Table A.2 Scapy functions

Name	Description
arpcachepoison	Poison target's cache with (your MAC,victim's IP) couple
arping	Send ARP who-has requests to determine which hosts are up
bind_layers	Bind two layers on some specific field's values
corrupt_bits	Flip a given percentage or number of bits from a string
corrupt_bytes	Corrupt a given percentage or number of bytes from a string
defrag	defrag(plist) -> [not fragmented], [defragmented],
defragment	defrag(plist) -> plist defragmented as much as possible
dyndns_add	Send a DNS add message to a nameserver for "name" to have a new "rdata"
dyndns_del	Send a DNS delete message to a nameserver for "name"
etherleak	Exploit Etherleak flaw
fragment	Fragment a big IP datagram
fuzz	Transform a layer into a fuzzy layer by replacing some default values by random objects
getmacbyip	Return MAC address corresponding to a given IP address
hexdiff	Show differences between two binary strings
hexdump	-
hexedit	-
is_promisc	Try to guess if target is in Promisc mode. The target is provided by its ip
linehexdump	-
ls	List available layers, or infos on a given layer
promiscping	Send ARP who-has requests to determine which hosts are in promiscuous mode

Table A.2 (continued)

rdpcap	Read a pcap file and return a packet list
send	Send packets at layer 3
sendp	Send packets at layer 2
sendpfast	Send packets at layer 2 using topreplay for performance
sniff	Sniff packets
split_layers	Split two layers previously bound
sr	Send and receive packets at layer 3
sr1	Send packets at layer 3 and return only the first answer
srbt	send and receive using a bluetooth socket
srbt1	send and receive 1 packet using a bluetooth socket
srflood	Flood and receive packets at layer 3
srloop	Send a packet at layer 3 in loop and print the answer each
	time
srp	Send and receive packets at layer 2
srp1	Send and receive packets at layer 2 and return only the first answer
srpflood	Flood and receive packets at layer 2
srploop	Send a packet at layer 2 in loop and print the answer each time
traceroute	Instant TCP traceroute
arpcachepoison	Poison target's cache with (your MAC,victim's IP) couple
arping	Send ARP who-has requests to determine which hosts are up
bind_layers	Bind 2 layers on some specific fields' values
corrupt_bits	Flip a given percentage or number of bits from a string
corrupt_bytes	Corrupt a given percentage or number of bytes from a string
defrag	defrag(plist) -> [not fragmented], [defragmented],
defragment	defrag(plist) -> plist defragmented as much as possible
dyndns_add	Send a DNS add message to a nameserver for "name" to have a new "rdata"
dyndns_del	Send a DNS delete message to a nameserver for "name"
etherleak	Exploit Etherleak flaw
fragment	Fragment a big IP datagram
fuzz	Transform a layer into a fuzzy layer by replacing some default values by random objects
getmacbyip	Return MAC address corresponding to a given IP address
hexdiff	Show differences between two binary strings
hexdump	-
hexedit	-
is_promisc	Try to guess if target is in Promisc mode. The target is provided by its ip

Table A.2 (continued)

linehexdump	_
ls	List available layers, or infos on a given layer
promiscping	Send ARP who-has requests to determine which hosts are in promiscuous mode
rdpcap	Read a pcap file and return a packet list
send	Send packets at layer 3
sendp	Send packets at layer 2
sendpfast	Send packets at layer 2 using tcpreplay for performance
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split_layers	Split 2 layers previously bound
sr	Send and receive packets at layer 3
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srflood	Flood and receive packets at layer 3
srloop	Send a packet at layer 3 in loop and print the answer each time
srp	Send and receive packets at layer 2
srp1	Send and receive packets at layer 2 and return only the first answer
srpflood	Flood and receive packets at layer 2
srploop	Send a packet at layer 2 in loop and print the answer each time
traceroute	Instant TCP traceroute
tshark	Sniff packets and print them calling pkt.show(), a bit like text wireshark
wireshark	Run wireshark on a list of packets
wrpcap	Write a list of packets to a pcap file

Appendix B Secondary Links

URL	Description
www.secdev.org/projects/scapy/	The project page of Scapy, the worlds-best packet-generator
docs.python.org	Official Python documentation
pypi.python.org	Python Package Index – Search engine for Python modules
www.pip-installer.org/	Official documentation for the pip installer
bluez.org	The project page of the Bluetooth protocol stack of GNU/Linux
http://trifinite.org/	A research group, which exclusively deals with Bluetooth
www.phrack.org	The oldest and best hacker magazine in the world! Most source codes are written in C
seclists.org	Mailing list archive of the most famoust IT security mailing lists like Bugtraq and Full Disclosure
www.packetstormsecurity.net	News, tools, exploits and forums
www.uninformed.org	A very technical magazine about IT security, reverse engineering and low-level programming
events.ccc.de	Events of the Chaos Computer Clubs with good contact possibilities and great lectures
www.defcon.org	The biggest hacking congress in the USA and also with lot of good lectures
www.securitytube.net/	The video portal for IT-security tutorials
www.owasp.org	Open Web Application Security Project – Lot of useful information about web security including their own conferences
palowireless.com	The best place to find information about protocols and technical documentation about wireless networks (Bluetooth, Wifi, GPS etc)

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www.aircrack-ng.org	The world-best toolkit for Wifi hacking
tcpdump.org	The home page of the Tcpdump sniffers and libpcap including a description about the PCAP expression language
wireshark.org	The worlds leading sniffer and protocol analyzer
p-a-t-h.sf.net	Perl Advanced TCP Hijacking – A network hijacking toolkit in Perl
ettercap.sf.net	Ettercap is a collection of tools for Man-in-the-Middle attacks in a LAN
yersinia.net	Layer 2 Hacking Tool including STP, DTP and VLAN
thehackernews.com	News from and about the hacking community including its own magazine
hitb.org	Hack in the box – Conference, magazine, forums and news portal
hackingtricks.in	Blog about ethical hacking and cyber security
www.networksorcery.com/enp/ welcome_1101.htm	RFC Sourcebook – The best place to lookup information about network protocols

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