Wireshark Cheat Sheet



	Default col	Wireshark Capturing Modes Sets interface to capture all packets on a network segment to which it							Miscellaneous t is Slice Operator [] Page of values						
Time Seconds from the first frame						Promiscuous mode associated to					Milen IC IS	[] Kange of values		;S	
Source (src) Source address, commonly an IPv4, IPv6 or Ethernet address						Monitor mode setup the Wireless interface to capture all traffic									
Destin	ation (dst) Destination ad	(Unix/Linux only)						CTRL+E - Start/Stop Capturing							
Protocol Protocol used in the Ethernet frame, IP packet, or TCP segment Length Length of the frame in bytes									Capture	Filter Syn	tax				
Logical Operators						Syntax protocol direction			value	Logical	operator	perator Expressions			
Operator					Example	mple tcp		src 192.168.1.1		a	ıd	tcp dst 202.164.30.1			
Operator	Descripti			Example					Display	Filter Syn	tax				
and or &&	Logical A	AND		All the conditions should match					•	Comparison					
or or	Logical	OR	Either	either all or one of the condition should match	Syntax	protocol	String 1	String 2	Operato			cal operator	Expressions		
					Example	http	dest	ip	==	192.168.1	.1	and	tcp port		
xor or ^^	Logical X	KOR	exclusive	alternation - Only one of the two conditions		Keyboard Sho		Shortcu [.]	hortcuts - main disp		splay window				
XOI OI			should match not both		Accelerator		Descript	ion				De	escription		
not on I	NOT(Negation)		Not equal to			Move between screen elements, e.g. from the			the	Alt+ \longrightarrow or					
	not or ! NOT(Negation)			Filter a specific word or text	Tab or Shift+Ta		the packet list	ist to the packet		7.20.	Move to the next packet in the selection history.				
[11] []	[n] [] Substring operator					detail.				Option+→	tion+→				
			kets (Display Filters)		Move to the ne		next packet or	detail item.		\rightarrow	In the packet	e packet detail, opens the selected tree item.			
Operator	Operator Desc			Example	*		•			,	·	the packet detail, opens the selected tree item and all of			
eq or ==	eq or ==			ip.dest == 192.168.1.1	\uparrow	Move to the previous packet or detail item.		em.	Shift+ \longrightarrow	-	ts subtrees.				
				i J1. 1 400 400 4 4		Move to the next packet, even if the packet lis		ket list							
ne or !=	= No	ot Equal		ip.dest != 192.168.1.1	Ctrl+ ↓ or F8	isn't focused				Ctrl+→	In the packet detail, opens all tree items.				
gt or >	Grea	ater than		frame.len > 10	Ctrl+ ↑ or F7			vious packet, even if the p		Ctrl+←	In the packet	et detail, closes all tree items.			
lt or <	Le	Less than		frame.len <10	3.1.2.	1130 1311 0 10	focused. e next packet of the conversation			3 3 2 3	, , , , , , , , , , , , , , , , , , , ,				
ge or >=		than or Equal		frame.len >= 10	Ctrl+.	(TCP, UDP or	•	the conversat:	TOH	Backspace	In the packet detail, jumps to the parent node.				
le or <=	Less t	han or Equal		frame.len<=10	C+n].	Move to the p	orevious packet	of the conve	rsation	otunn on Enton	In the market detail territor the selection of				
			Types		Ctrl+,	(TCP, UDP or IP).				eturn or Enter	urn or Enter In the packet detail, toggles the selected tree item.				
		Protocols - Values													
Capture filter Filter packets during capture						ether, fddi, ip, arp, rarp, decnet, lat, sca, moprc, mopdl, tcp and udp									
U	Pisplay Filter		ніає	e Packets from a capture display			ether, ruu	1, 1p, arp,	rarp, uec	nec, iac, sca,	mopic, mopu	ii, ccp and uc	יי		
				Co	ommon Filteri	ng command	ds								
Usage Filter syntax						Usage					Filter syntax				
Wireshark Filter by IP				ip.addr == 10.10.50.1		Filter by URL				http.host == "host name"					
Filter by Destination IP				ip.dest == 10.10.50.1	Filter by time stamp				frame.time >= "June 02, 2019 18:04:00"						
Filter by Source IP				ip.src == 10.10.50.1		Filter SYN flag					tcp.flags.syn == 1				
	Filter by IP range		iį	p.addr >= 10.10.50.1 and ip.addr <= 10.10.5	50.100		i i i i i i i	in itag			tcp.flags.syn == 1 and tcp.flags.ack == 0				
Fi	lter by Multiple Ips		iţ	p.addr == 10.10.50.1 and ip.addr == 10.10.5	50.100	Wireshark Beacon Filter					wlan.fc.type_subtype = 0x08				
Fi	ilter out IP address			!(ip.addr == 10.10.50.1)		Wireshark broadcast filter						eth.dst == ff:ff:ff:ff:ff			
	Filter subnet			ip.addr == 10.10.50.1/24		Wireshark multicast			r			(eth.dst[0] & 1)			
	Filter by port			tcp.port == 25		Host name f						<pre>ip.host = hostname</pre>			
Filt	Filter by destination port			tcp.dstport == 23		MAC address filter				eth.addr == 00:70:f4:23:18:c4			0:f4:23:18:c4		
Filter	by ip address and por	ip.addr == 10.10.50.1 and Tcp.port == 2	5		RST flag	filter				tcp.flags.re	eset == 1				
					Main toolba	ar items									
Toolbar Icon	Toolbar Item	Menu	Item	Description		Toolbar Ico	n Too]	bar Item		Menu Item		D	escription		
				Uses the same packet capturing options as	the previous										
	Start	Capture -	→ Start	session, or uses defaults if no option	· ·		Go	Forward	Go -	→ Go Forward		Jump forward	in the packet history		
	Stop	Capture	→ Stop	Stops currently active captur	'e		Go to	Go to Packet Go -		→ Go to Packet		Go to specific packet			
<u>a</u>	Restart	Capture $ ightarrow$	Restart	Restarts active capture session	on		Go To F	Go To First Packet Go —		First Packet	Jun	mp to first packet of the capture file			
•	Options	Capture →	Options	Opens "Capture Options" dialog	box	<u></u>	Go To	Go To Last Packet Go –		→ Last Packet	Jump to last packet of the capture		cket of the capture file		
11.	Open	File $ ightarrow$	Open	Opens "File open" dialog box to load a viewing	capture for			to Scroll in Live View → Aut Capture Live 0		Auto Scroll i ve Capture	n Auto	Auto scroll packet list during live capture		2	
#1.00 #1.10 #1.10	Save As	File → S	ave As	Save current capture file			Co	Colorize View $ ightarrow$		$\iota ightarrow Colorize$		Colorize the packet list (or not)			
×			Close	Close current capture file		⊕ _	Z	Zoom In View → Zoom In		w o Zoom In	Zoom into the packet data (increase the font size)			ize)	
	Reload View		Reload	load Reloads current capture file		Zoom Out		oom Out	View	$View \rightarrow Zoom Out$ Zoom out		t of the packet data (decrease the font size)			
9	Find Packet	Edit → Find	d Packet	Find packet based on different cr	iteria		Normal Size		View	→ Normal Size		Set zoom	t zoom level back to 100%		
—	Go Back	Go → Go	o Back	Jump back in the packet histor	ry	9 0	Resiz	e Columns	mns View → Resize Colu		s Resize columns, so the content fits to the width				
Resource: Wi	reshark Docs https://www.wireshark	k.org/docs/wsug_htr	ml_chunked/												