Dort '	20 Interface	s (FTP Session	n Saguanca F	liagram)					
FUIL_4		ernet		riayi aili)	FTD ()	ient PC			
DN		FTP Server			FTP Client	IOIIL I U	1	Console	EventHelix.com/EventStudio 2.5
Port			t 21 10	30 11		001 50	02	User	02-May-05 21:07 (Page 1)
	Į.						, I		
This	sequence	diagram wa:	s generate	d with Ever	ntStudio 2	2.5 (http:/	//www.E	ventHelix	c.com/EventStudio).
Нα	re we evn	lore the se	eguence of	interaction	ong in a t	unical FTE) (File	Transfer	r Protocol) session. The
examp mu	le here i ltiple TC	llustrates	the use o	f . We will o					TCP connection (TCP Port
th direc	e FTP tra tory tran	nsfer. Then sfer and f	n we exami ile retrie	ne the use val.	of TCP Po	ort 21 for	establ	ishing TO	CP connections for
	- DNS Que - FTP Tel	ry to obtainet connect	in the IP tion setup	an be divio address for and login ng (PORT an	r the FTP . (USER ar	Server nd PASS com		ps:	
	- Changin	g director	y (CWD com	mand) P get (POR					
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DNS Q	uery to o	 btain the :	 IP address	for the F	TP Server.				
ד סדק	elnet con	nection set	tup and lo	gin. (USER	and DASS	commands)			
Obtai:	ning a di	rectory li	sting (POR	T and LIST	command).				
			TCP	SYN				TCP three v connection 5001.	TCP three way handshake for
			dstport	t = 20, = 5001, = 1	,				connection establishment on por 5001.
			TCP SY	N+ACK					
				= 5001, t = 20,					
			syn	= 1, = 1					
				ACK					
			dstport	t = 20, = 5001, := 1					
				ACK		•			
			dstport	t = 20, = 5001, = 1					
				N+ACK ort = 20,					FTP server initiates the release o the TCP connection used to
			tcp.dstpc tcp.flags	ort = 20, ort = 5001, s.ack = 1, s.fin = 1					ransport the directory listing.
				ACK					
			tcp.dstp	rt = 5001, ort = 20, s.ack = 1					
				N+ACK					
			tcp.dstp tcp.flags	rt = 5001, ort = 20, s.ack = 1, s.fin = 1					
			ТСР	ACK					
			tcp.dstpc	ort = 20, rt = 5001, s.ack = 1					

