

Solutions

Version 1

8C	97	EC	D0	BE	C9	E8	0B	E5	AF	8D	C8	08	00	45	8E
00	72	55	4A	73	AE	A4	4A	A7	B7	C2	0E	6F	E7	44	42
53	6A	65	CE	CA	75	C0	2C	92	2F	4D	B9	C0	1A	46	A8
C4	A4	F3	39	32	F5	B7	A3	F3	85	AB	A7	BC	10	9F	C5
2B	11	AF	23	0E	BA	2D	67	ED	A5	1B	08	68	86	11	6F
92	46	D8	C1	66	07	34	E5	FF	DD	A2	A4	E0	8A	C5	BB
BE	56	1E	94	32	C8	C1	88	51	E3	E1	CD	44	29	9C	3A
CC	20	C9	2F	FC	52	81	98	EC	29	D6	9E	DF	59	81	39

Destination Hardware Address	8C	97	EC	D0	BE	C9	10001100	10010111	11101100	11010000	10111110	11001001
Source Hardware Address	E8	0B	E5	AF	8D	C8	11101000	00001011	11100101	10101111	10001101	11001000
Frame Type	08	00					00001000	00000000				
Vers & Len	45						01000101					
Type Of Service	8E						10001110					
Total Length	00	72					00000000	01110010				
Ident	55	4A					01010101	01001010				
Flags & Fragment Offset	73	AE					01110011	10101110				
Flags	Don't Fragment		More Fragments									
Fragment Offset	13	AE					00010011	10101110				
TTL	A4						10100100					
Type	4A						01001010					
Header Checksum	A7	B7					10100111	10110111				
Source IP Address	C2	0E	6F	E7			11000010	00001110	01101111	11100111		
Class	C											
Network	C2	0E	6F				11000010	00001110	01101111			
Host	E7						11100111					
Source IP Address (Decimal)	194	14	111	231								
Destination IP Address	44	42	53	6A			01000100	01000010	01010011	01101010		
Class	A											
Network	44						01000100					
Host	42	53	6A				01000010	01010011	01101010			
Destination IP Address (Decimal)	68	66	83	106								
Payload Data	65	CE	CA	75	C0		01100101	11001110	11001010	01110101	11000000	

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Version 2

B4	40	D0	8C	71	7E	C7	41	93	46	22	84	08	00	45	49
00	72	C2	5F	69	F2	96	54	DF	64	28	A7	23	CD	9B	E1
F4	A7	E6	72	21	54	8E	DD	3D	2C	87	6D	1C	AC	50	2C
2A	6A	F4	9E	77	33	8B	A5	DA	4F	E9	80	DB	B4	6D	03
4E	2D	BE	F8	F4	8A	16	CD	A2	77	E8	82	51	04	04	E5
2B	BA	05	9F	7C	C7	32	E3	3C	A0	AC	DB	B1	44	A6	78
F0	54	9E	F0	C0	DB	48	89	43	21	09	5D	DF	5E	0C	ED
5D	8C	E6	09	92	4F	68	B1	05	90	A9	84	A7	AF	79	16

Destination Hardware Address	B4 40 D0 8C 71 7E	10110100 01000000 11010000 10001100 01110001 01111110
Source Hardware Address	C7 41 93 46 22 84	11000111 01000001 10010011 01000110 00100010 10000100
Frame Type	08 00	00001000 00000000
Vers & Len	45	01000101
Type Of Service	49	01001001
Total Length	00 72	00000000 01110010
Ident	C2 5F	11000010 01011111
Flags & Fragment Offset	69 F2	01101001 11110010
Flags	Don't Fragment More Fragments	
Fragment Offset	09 F2	00001001 11110010
TTL	96	10010110
Type	54	01010100
Header Checksum	DF 64	11011111 01100100
Source IP Address	28 A7 23 CD	00101000 10100111 00100011 11001101
Class	A	
Network	28	00101000
Host	A7 23 CD	10100111 00100011 11001101
Source IP Address (Decimal)	40 167 35 205	
Destination IP Address	9B E1 F4 A7	10011011 11100001 11110100 10100111
Class	B	
Network	9B E1	10011011 11100001
Host	F4 A7	11110100 10100111
Destination IP Address (Decimal)	155 225 244 167	
Payload Data	E6 72 21 54 8E	11100110 01110010 00100001 01010100 10001110

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Version 3

A6	5B	EC	CB	4A	7D	50	E6	EE	18	BD	B0	08	00	45	73
00	72	44	2B	68	17	34	18	BF	EC	84	1A	25	75	C9	F1
0D	AA	24	08	2C	1B	A2	C4	CF	29	49	37	C0	BE	83	72
E1	95	98	35	F6	C7	95	8D	D1	19	B3	45	C5	E9	7D	02
80	81	54	72	24	AD	3E	05	0C	3B	A0	0D	84	6B	66	20
62	8B	0A	EC	FF	D7	75	3A	38	2F	2D	88	DF	4C	D2	C5
6D	42	8D	1B	9C	F2	47	E0	FD	12	7F	85	DC	85	F7	C8
F0	4C	E0	77	96	8F	D0	30	2D	93	DC	EC	8C	CB	0B	EA

Destination Hardware Address	A6	5B	EC	CB	4A	7D	10100110	01011011	11101100	11001011	01001010	01111101			
Source Hardware Address	50	E6	EE	18	BD	B0	01010000	11100110	11101110	00011000	10111101	10110000			
Frame Type	08	00	00001000	00000000											
Vers & Len	45						01000101								
Type Of Service	73						01110011								
Total Length	00	72	00000000		01110010										
Ident	44	2B	01000100		00101011										
Flags & Fragment Offset	68	17	01101000		00010111										
Flags	Don't Fragment		More Fragments												
Fragment Offset	08	17	00001000		00010111										
TTL	34						00110100								
Type	18						00011000								
Header Checksum	BF	EC	10111111		11101100										
Source IP Address	84	1A	25	75	10000100 00011010 00100101 01110101										
Class	B														
Network	84	1A	10000100		00011010										
Host	25	75	00100101		01110101										
Source IP Address (Decimal)	132	26	37	117											
Destination IP Address	C9	F1	0D	AA	11001001 11110001 00001101 10101010										
Class	C														
Network	C9	F1	0D	11001001		11110001 00001101									
Host	AA						10101010								
Destination IP Address (Decimal)	201	241	13	170											
Payload Data	24	08	2C	1B	A2	00100100 00001000 00101100 00011011 10100010									

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Version 4

F6	4E	70	0E	05	81	D2	F4	58	A5	E8	8E	08	00	45	92
00	72	65	3A	64	FC	B6	B9	19	7B	1B	5E	3D	E8	82	7B
8E	54	11	E3	16	F4	CA	4E	89	F1	63	AD	7C	F0	9F	D7
AF	F2	B2	DE	CB	CC	30	33	91	4C	A2	7D	34	0F	03	81
41	84	0B	B4	20	82	B7	FE	6A	30	85	23	94	83	1A	F0
62	61	FC	E2	BC	3D	40	E1	76	F3	05	76	5D	D7	2C	B0
B8	2D	74	B4	D3	17	67	0F	C0	DE	29	DF	7E	F6	DE	79
99	4E	A2	37	84	C3	75	BC	02	49	98	8F	3D	8B	98	A1

Destination Hardware Address	F6	4E	70	0E	05	81	11110110	01001110	01110000	00001110	00000101	10000001		
Source Hardware Address	D2	F4	58	A5	E8	8E	11010010	11110100	01011000	10100101	11101000	10001110		
Frame Type	08	00	00001000	00000000										
Vers & Len	45						01000101							
Type Of Service	92						10010010							
Total Length	00	72	00000000	01110010										
Ident	65	3A	01100101	00111010										
Flags & Fragment Offset	64	FC	01100100	11111100										
Flags	Don't Fragment		More Fragments											
Fragment Offset	04	FC	00000100	11111100										
TTL	B6						10110110							
Type	B9						10111001							
Header Checksum	19	7B	00011001	01111011										
Source IP Address	1B	5E	3D	E8										
Class	A													
Network	1B													
Host	5E	3D	E8	01011110	00111101	11101000								
Source IP Address (Decimal)	27	94	61	232										
Destination IP Address	82	7B	8E	54	10000010	01111011	10001110	01010100						
Class	B													
Network	82	7B	10000010	01111011										
Host	8E	54	10001110	01010100										
Destination IP Address (Decimal)	130	123	142	84										
Payload Data	11	E3	16	F4	CA	00010001	11100011	00010110	11110100	11001010				