

Solutions

Version 1

1A	11	24	6C	0C	0F	D2	13	B2	95	7B	3A	08	00	45	2A
00	72	95	F0	79	90	9F	38	03	DD	0D	66	2F	A1	D3	1D
6E	AB	43	4E	7E	1D	34	76	96	C8	D8	C2	DF	8A	9F	15
E0	13	48	3A	15	72	81	45	A1	80	8F	FD	BA	63	8D	20
E7	17	44	84	D9	5D	37	2D	2A	AF	F6	86	69	C9	ED	C3
86	06	5C	FC	77	77	DC	41	5C	4B	6D	3A	3B	CA	34	6B
DB	0B	30	B3	7D	F1	AF	74	68	70	13	D1	D0	EC	23	81
88	7D	03	80	96	BA	B7	18	24	99	9F	58	86	DA	29	3C

Destination Hardware Address	1A 11 24 6C 0C 0F	00011010	00010001	00100100	01101100	00001100	00001111
Source Hardware Address	D2 13 B2 95 7B 3A	11010010	00010011	10110010	10010101	01111011	00111010
Frame Type	08 00	00001000	00000000				
Vers & Len	45	01000101					
Type Of Service	2A	00101010					
Total Length	00 72	00000000	01110010				
Ident	95 F0	10010101	11110000				
Flags & Fragment Offset	79 90	01111001	10010000				
Flags	Don't Fragment	More Fragments					
Fragment Offset	19 90	00011001	10010000				
TTL	9F	10011111					
Type	38	00111000					
Header Checksum	03 DD	00000011	11011101				
Source IP Address	0D 66 2F A1	00001101	01100110	00101111	10100001		
Class	A						
Network	0D	00001101					
Host	66 2F A1	01100110	00101111	10100001			
Source IP Address (Decimal)	13 102 47 161						
Destination IP Address	D3 1D 6E AB	11010011	00011101	01101110	10101011		
Class	C						
Network	D3 1D 6E	11010011	00011101	01101110			
Host	AB	10101011					
Destination IP Address (Decimal)	211 29 110 171						
Payload Data	43 4E 7E 1D 34	01000011	01001110	01111110	00011101	00110100	

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Version 2

72	3C	D0	92	11	80	78	17	15	CA	BF	95	08	00	45	65
00	72	F4	B5	60	13	94	9E	9B	C0	49	27	A5	DA	8C	52
22	2D	F0	B3	F7	3D	F3	ED	F1	EB	24	C9	57	E2	0D	A8
36	88	A6	BF	32	BF	71	45	8E	17	B5	A6	D7	D7	E1	73
97	EB	6F	A1	70	C7	99	50	94	97	DF	47	7D	80	65	0F
08	71	57	D2	2C	C0	35	A9	BA	92	AE	4D	63	EB	0D	C7
8E	77	75	69	DB	20	EC	D9	3C	E8	53	A5	14	2A	D2	29
12	3B	BA	65	7B	FE	FB	FB	93	3B	12	9C	B8	8E	91	A4

Destination Hardware Address	72	3C	D0	92	11	80	01110010	00111100	11010000	10010010	00010001	10000000
Source Hardware Address	78	17	15	CA	BF	95	01111000	00010111	00010101	11001010	10111111	10010101
Frame Type	08	00					00001000	00000000				
Vers & Len	45						01000101					
Type Of Service	65						01100101					
Total Length	00	72					00000000	01110010				
Ident	F4	B5					11110100	10110101				
Flags & Fragment Offset	60	13					01100000	00010011				
Flags			Don't Fragment		More Fragments							
Fragment Offset	00	13					00000000	00010011				
TTL	94						10010100					
Type	9E						10011110					
Header Checksum	9B	C0					10011011	11000000				
Source IP Address	49	27	A5	DA			01001001	00100111	10100101	11011010		
Class	A											
Network	49						01001001					
Host	27	A5	DA				00100111	10100101	11011010			
Source IP Address (Decimal)	73	39	165	218								
Destination IP Address	8C	52	22	2D			10001100	01010010	00100010	00101101		
Class	B											
Network	8C	52					10001100	01010010				
Host	22	2D					00100010	00101101				
Destination IP Address (Decimal)	140	82	34	45								
Payload Data	F0	B3	F7	3D	F3		11110000	10110011	11110111	00111101	11110011	

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Version 3

22	95	95	85	43	81	B0	C0	17	05	B6	17	08	00	45	25
00	72	25	FD	68	6C	B7	B6	87	18	4E	4E	00	14	CD	20
70	48	5F	18	E1	40	91	D7	29	C4	E6	76	75	4D	54	0F
85	37	FF	84	92	6C	0C	BB	DB	FE	21	C8	26	16	B2	81
8D	65	6C	6B	AB	8A	FE	42	4B	AE	52	E5	ED	3A	22	8B
63	D5	5A	5A	D3	B4	70	45	15	F5	2F	41	74	5F	50	EA
2F	BE	24	0E	A5	67	70	05	D3	2E	32	B7	AB	A1	88	42
99	23	83	42	DE	2C	F1	D3	CC	F2	EB	71	8E	F9	46	01

Destination Hardware Address	22	95	95	85	43	81	00100010	10010101	10010101	10000101	01000011	10000001
Source Hardware Address	B0	C0	17	05	B6	17	10110000	11000000	00010111	00000101	10110110	00010111
Frame Type	08	00					00001000	00000000				
Vers & Len	45						01000101					
Type Of Service	25						00100101					
Total Length	00	72					00000000	01110010				
Ident	25	FD					00100101	11111101				
Flags & Fragment Offset	68	6C					01101000	01101100				
Flags	Don't Fragment		More Fragments									
Fragment Offset	08	6C					00001000	01101100				
TTL	B7						10110111					
Type	B6						10110110					
Header Checksum	87	18					10000111	00011000				
Source IP Address	4E	4E	00	14			01001110	01001110	00000000	00010100		
Class	A											
Network	4E						01001110					
Host	4E	00	14				01001110	00000000	00010100			
Source IP Address (Decimal)	78	78	0	20								
Destination IP Address	CD	20	70	48			11001101	00100000	01110000	01001000		
Class	C											
Network	CD	20	70				11001101	00100000	01110000			
Host	48						01001000					
Destination IP Address (Decimal)	205	32	112	72								
Payload Data	5F	18	E1	40	91							
						01011111	00011000	11100001	01000000	10010001		

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Version 4

C7	39	C6	7C	35	FD	0F	C0	74	F6	63	7C	08	00	45	ED
00	72	B3	AB	77	05	E8	0E	6C	FE	C8	35	B0	89	85	18
42	A3	66	DA	6A	46	09	C5	A4	77	D3	BE	06	21	09	38
3B	1A	CB	3E	EF	7C	90	88	DF	9F	D0	AB	23	76	63	78
46	02	4A	42	8B	38	31	0F	30	A7	D9	65	4A	94	7B	E0
B6	5B	A6	AD	6E	A8	E4	F7	90	8E	4C	60	42	44	E7	EF
61	12	84	40	D8	39	78	A4	3C	CC	7D	48	60	6B	ED	D5
25	14	24	73	35	14	08	74	B6	51	76	5B	A6	DB	ED	86

Destination Hardware Address	C7	39	C6	7C	35	FD	11000111	00111001	11000110	01111100	00110101	11111101				
Source Hardware Address	0F	C0	74	F6	63	7C	00001111	11000000	01110100	11110110	01100011	01111100				
Frame Type	08	00					00001000	00000000								
Vers & Len	45						01000101									
Type Of Service	ED						11101101									
Total Length	00	72					00000000	01110010								
Ident	B3	AB					10110011	10101011								
Flags & Fragment Offset	77	05					01110111	00000101								
Flags	Don't Fragment		More Fragments													
Fragment Offset	17	05					00010111	00000101								
TTL	E8						11101000									
Type	0E						00001110									
Header Checksum	6C	FE					01101100	11111110								
Source IP Address	C8	35	B0	89			11001000	00110101	10110000	10001001						
Class	C															
Network	C8	35	B0					11001000	00110101	10110000						
Host	89						10001001									
Source IP Address (Decimal)	200	53	176	137												
Destination IP Address	85	18	42	A3			10000101	00011000	01000010	10100011						
Class	B															
Network	85	18					10000101	00011000								
Host	42	A3					01000010	10100011								
Destination IP Address (Decimal)	133	24	66	163												
Payload Data	66	DA	6A	46	09							01100110	11011010	01101010	01000110	00001001