

Solutions

Version 1

DA	BB	F3	3F	CB	58	02	4A	E2	DD	9A	A7	08	00	45	7C
00	72	B4	19	65	95	6B	0F	BD	B3	DB	E2	6F	F9	A3	5D
5D	C7	3A	C6	BF	83	D7	13	8F	7C	FD	0A	EF	98	0A	4D
7C	F4	BD	1D	E0	C3	51	43	25	64	F6	3A	DF	85	95	0E
A0	EC	0C	90	F3	01	71	F9	E9	B1	F7	FC	D5	BE	E0	66
37	D0	62	B3	1F	D9	75	DA	B7	71	E6	CD	52	1F	C8	94
E7	4F	C8	FA	03	F2	FB	7E	E9	BE	88	DA	DF	A6	B2	28
B1	30	28	E0	0F	34	A8	6D	F0	3F	42	AB	C2	75	93	82

Destination Hardware Address	DA	BB	F3	3F	CB	58	11011010	10111011	11110011	00111111	11001011	01011000
Source Hardware Address	02	4A	E2	DD	9A	A7	00000010	01001010	11100010	11011101	10011010	10100111
Frame Type	08	00	00001000	00000000								
Vers & Len	45						01000101					
Type Of Service	7C						01111100					
Total Length	00	72	00000000	01110010								
Ident	B4	19	10110100	00011001								
Flags & Fragment Offset	65	95	01100101	10010101								
Flags	Don't Fragment		More Fragments									
Fragment Offset	05	95	00000101	10010101								
TTL	6B						01101011					
Type	0F						00001111					
Header Checksum	BD	B3	10111101	10110011								
Source IP Address	DB	E2	6F	F9			11011011	11100010	01101111	11111001		
Class	C											
Network	DB	E2	6F			11011011	11100010	01101111				
Host	F9						11111001					
Source IP Address (Decimal)	219	226	111	249								
Destination IP Address	A3	5D	5D	C7			10100011	01011101	01011101	11000111		
Class	B											
Network	A3	5D			10100011	01011101						
Host	5D	C7			01011101	11000111						
Destination IP Address (Decimal)	163	93	93	199								
Payload Data	3A	C6	BF	83	D7	00111010	11000110	10111111	10000011	11010111		

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Version 2

1D	6B	7A	5E	DE	8D	CF	45	07	70	FB	7E	08	00	45	AE
00	72	50	CC	67	2B	74	24	47	38	65	06	83	B5	DD	1B
B0	0A	B8	4E	1E	94	94	C7	4B	50	1B	28	67	82	F8	26
0E	8A	08	04	6A	10	58	64	71	88	D2	AB	C1	BD	F7	FA
1F	D4	52	E3	C5	D0	93	A8	E3	14	DA	C9	33	EF	E0	5A
30	64	47	D8	49	7D	D3	6C	22	2A	75	0F	9A	26	16	46
F9	69	EC	96	90	98	D1	44	A0	C3	DD	A7	33	76	78	58
D5	6B	D7	94	E2	8B	02	5B	8E	2F	4A	D5	AD	9C	45	AF

Destination Hardware Address	1D	6B	7A	5E	DE	8D	00011101	01101011	01111010	01011110	11011110	10001101
Source Hardware Address	CF	45	07	70	FB	7E	11001111	01000101	00000111	01110000	11111011	01111110
Frame Type	08	00					00001000	00000000				
Vers & Len	45						01000101					
Type Of Service	AE						10101110					
Total Length	00	72					00000000	01110010				
Ident	50	CC					01010000	11001100				
Flags & Fragment Offset	67	2B					01100111	00101011				
Flags	Don't Fragment		More Fragments									
Fragment Offset	07	2B					00000111	00101011				
TTL	74						01110100					
Type	24						00100100					
Header Checksum	47	38					01000111	00111000				
Source IP Address	65	06	83	B5			01100101	00000110	10000011	10110101		
Class	A											
Network	65						01100101					
Host	06	83	B5				00000110	10000011	10110101			
Source IP Address (Decimal)	101	6	131	181								
Destination IP Address	DD	1B	B0	0A			11011101	00011011	10110000	00001010		
Class	C											
Network	DD	1B	B0				11011101	00011011	10110000			
Host	0A						00001010					
Destination IP Address (Decimal)	221	27	176	10								
Payload Data	B8	4E	1E	94	94		10111000	01001110	00011110	10010100	10010100	

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Version 3

EB	9A	A6	60	D2	1E	48	68	C2	66	82	A9	08	00	45	B1
00	72	1E	C8	67	69	C7	31	2D	66	67	E9	B2	5C	C7	C6
7B	8F	B1	2C	49	24	61	DE	70	FF	D3	81	D0	E4	E3	91
D5	9D	DD	0A	8A	7B	6F	C8	F9	09	D3	41	FB	97	0F	61
01	8E	27	AC	BE	81	87	0B	CB	E7	64	13	41	69	D6	F8
A3	8F	AA	6F	6C	99	17	D5	A2	25	9F	E7	89	C3	23	03
91	C9	ED	A0	88	89	C8	20	19	E3	82	9C	9D	A6	79	BE
C1	7F	34	46	D5	08	89	BA	BA	06	0A	3D	CF	DB	0B	98

Destination Hardware Address	EB 9A A6 60 D2 1E	11101011 10011010 10100110 01100000 11010010 00011110
Source Hardware Address	48 68 C2 66 82 A9	01001000 01101000 11000010 01100110 10000010 10101001
Frame Type	08 00	00001000 00000000
Vers & Len	45	01000101
Type Of Service	B1	10110001
Total Length	00 72	00000000 01110010
Ident	1E C8	00011110 11001000
Flags & Fragment Offset	67 69	01100111 01101001
Flags	Don't Fragment More Fragments	
Fragment Offset	07 69	00000111 01101001
TTL	C7	11000111
Type	31	00110001
Header Checksum	2D 66	00101101 01100110
Source IP Address	67 E9 B2 5C	01100111 11101001 10110010 01011100
Class	A	
Network	67	01100111
Host	E9 B2 5C	11101001 10110010 01011100
Source IP Address (Decimal)	103 233 178 92	
Destination IP Address	C7 C6 7B 8F	11000111 11000110 01111011 10001111
Class	C	
Network	C7 C6 7B	11000111 11000110 01111011
Host	8F	10001111
Destination IP Address (Decimal)	199 198 123 143	
Payload Data	B1 2C 49 24 61	10110001 00101100 01001001 00100100 01100001

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Version 4

63	7B	1F	C2	9E	BB	8F	27	56	C2	0D	03	08	00	45	1D
00	72	F5	73	64	F7	CE	F9	84	F5	5F	C4	1B	CD	B6	62
7F	77	CD	6A	A2	A6	E9	EA	6D	34	A1	99	62	3C	48	F8
05	A2	2D	E1	2E	44	28	6C	93	83	27	4D	18	7B	C0	68
B8	05	09	60	58	87	45	E9	29	79	EC	60	8B	CC	70	52
33	3C	1E	3E	56	C7	B9	AE	29	A5	80	B2	0B	88	59	0F
F5	F8	C8	21	FF	BA	8A	CB	A3	67	C9	CC	88	E5	F0	B9
B8	95	61	3B	AF	5B	D2	24	73	5B	07	FE	CB	BA	80	44

Destination Hardware Address	63	7B	1F	C2	9E	BB	01100011	01111011	00011111	11000010	10011110	10111011
Source Hardware Address	8F	27	56	C2	0D	03	10001111	00100111	01010110	11000010	00001101	00000011
Frame Type	08	00					00001000	00000000				
Vers & Len	45						01000101					
Type Of Service	1D						00011101					
Total Length	00	72					00000000	01110010				
Ident	F5	73					11110101	01110011				
Flags & Fragment Offset	64	F7					01100100	11110111				
Flags			Don't Fragment		More Fragments							
Fragment Offset	04	F7					00000100	11110111				
TTL	CE						11001110					
Type	F9						11111001					
Header Checksum	84	F5					10000100	11110101				
Source IP Address	5F	C4	1B	CD			01011111	11000100	00011011	11001101		
Class	A											
Network	5F						01011111					
Host	C4	1B	CD				11000100	00011011	11001101			
Source IP Address (Decimal)	95	196	27	205								
Destination IP Address	B6	62	7F	77			10110110	01100010	01111111	01110111		
Class	B											
Network	B6	62					10110110	01100010				
Host	7F	77					01111111	01110111				
Destination IP Address (Decimal)	182	98	127	119								
Payload Data	CD	6A	A2	A6	E9		11001101	01101010	10100010	10100110	11101001	