

QoS Calculator

CoS = Class of Service

DSCP = Differentiated Services Code Point

ToS = Type of Service

AF = Assured Forwarding

IPP = IP Precedence

CS = Class Selector

DP = Drop Probability

ECN = Explicit Congestion Notification

ToS						
DSCP					ECN	
AF (CS;DP)						
IPP=CS		DP				
		Delay	Thruput	Reliab		

	8th bit	7th bit	6th bit	5th bit	4th bit	3rd bit	2nd bit	1st bit
ToS	128	64	32	16	8	4	2	1
DSCP	32	16	8	4	2	1		
CoS=IPP	4	2	1					

Application	CoS=IPP	AF	DSCP	ToS	ToS HEX	DP	8th bit	7th bit	6th bit	5th bit	4th bit	3rd bit	2nd bit	1st bit	Product Name
Best Effort	0	0	0	0	0		0	0	0	0	0	0	0	0	
	0		1	4	4		0	0	0	0	0	1	0	0	
	0		2	8	8		0	0	0	0	1	0	0	0	
	0		3	12	0c		0	0	0	0	1	1	0	0	
	0		4	16	10		0	0	0	1	0	0	0	0	
	0		5	20	14		0	0	0	1	0	1	0	0	
	0		6	24	18		0	0	0	1	1	0	0	0	
	0		7	28	1c		0	0	0	1	1	1	0	0	
Bronze?	1	CS1	8	32	20		0	0	1	0	0	0	0	0	
	1		9	36	24		0	0	1	0	0	1	0	0	
	1	AF11	10	40	28	Low	0	0	1	0	1	0	0	0	
	1		11	44	2c		0	0	1	0	1	1	0	0	
	1	AF12	12	48	30	Medium	0	0	1	1	0	0	0	0	
	1		13	52	34		0	0	1	1	0	1	0	0	
	1	AF13	14	56	38	High	0	0	1	1	1	0	0	0	
	1		15	60	3c		0	0	1	1	1	1	0	0	
Silver?	2	CS2	16	64	40		0	1	0	0	0	0	0	0	
	2		17	68	44		0	1	0	0	0	1	0	0	
	2	AF21	18	72	48	Low	0	1	0	0	1	0	0	0	
	2		19	76	4c		0	1	0	0	1	1	0	0	
	2	AF22	20	80	50	Medium	0	1	0	1	0	0	0	0	
	2		21	84	54		0	1	0	1	0	1	0	0	
	2	AF23	22	88	58	High	0	1	0	1	1	0	0	0	
	2		23	92	5c		0	1	0	1	1	1	0	0	
Gold?	3	CS3	24	96	60		0	1	1	0	0	0	0	0	
	3		25	100	64		0	1	1	0	0	1	0	0	
	3	AF31	26	104	68	Low	0	1	1	0	1	0	0	0	
	3		27	108	6c		0	1	1	0	1	1	0	0	
	3	AF32	28	112	70	Medium	0	1	1	1	0	0	0	0	
	3		29	116	74		0	1	1	1	0	1	0	0	
	3	AF33	30	120	78	High	0	1	1	1	1	0	0	0	
	3		31	124	7c		0	1	1	1	1	1	0	0	
Assured	4	CS4	32	128	80		1	0	0	0	0	0	0	0	
	4		33	132	84		1	0	0	0	0	1	0	0	
	4	AF41	34	136	88	Low	1	0	0	0	1	0	0	0	
	4		35	140	8c		1	0	0	0	1	1	0	0	
	4	AF42	36	144	90	Medium	1	0	0	1	0	0	0	0	
	4		37	148	94		1	0	0	1	0	1	0	0	
	4	AF43	38	152	98	High	1	0	0	1	1	0	0	0	
	4		39	156	9c		1	0	0	1	1	1	0	0	
Expedited	5	CS5	40	160	a0		1	0	1	0	0	0	0	0	
	5		41	164	a4		1	0	1	0	0	1	0	0	
	5		42	168	a8		1	0	1	0	1	0	0	0	
	5		43	172	ac		1	0	1	0	1	1	0	0	
	5		44	176	b0		1	0	1	1	0	0	0	0	
	5		45	180	b4		1	0	1	1	0	1	0	0	
	5	EF	46	184	b8		1	0	1	1	1	0	0	0	
	5		47	188	bc		1	0	1	1	1	1	0	0	
Network Control	6	CS6	48	192	c0		1	1	0	0	0	0	0	0	
	7	CS7	56	196	c4		1	1	1	0	0	0	0	0	