





















ITCom+ OptiComm	An E	Example	Mapp n our sim	ing Fur	
	ATN Priority Code	Priority	PHB	DSCP]
	0000 0000	Normal	BE	000000	
	0000 0111	Medium	AF11	001010	
	00001110	High	EF	101110	
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ITCom∔ OptiComm	Simul	ation Conf	igurations	(Continued)
■ Ta co	ble below sho re DiffServ ro	ows the configu uter.	ration of queues	inside the
		Queue Type	Queue weight	
	EF Queue	PQ-Tail drop	0.4	
	AF Queue	RIO	0.4	
	BE Queue	RED	0.2	
Sin sc	hce the bandy heduling weig EF: 2Mb AF: 2Mb BE: 1Mb	width of bottlene ght implies band	eck link is 5Mb, th width of	ne above
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ITCom+ OptiComm	QoS O	btained by A	TN App	Dications: Case
	Source NO.	Source Type	Source Rate	
	0, 1	High Priority	1Mb	
	2, 3, 4	Medium Priority	0.666Mb	
	5,6,7,8,9	Normal Priority	0.2Mb	
T Ci C	he amount orrespondii ongestion	of traffic with diffe ng scheduled link b	rent prioritie bandwidth	es are equal to the No
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ITCom <u>+</u> OptiComm		Goo	dput o	f ATN A	opplications: Case 1	0
Resu	Its of Case	1: Good	put of ea	ch ATN so	ource.	
	Source F	Priority	Case 1 (Kb/S)	Case 2 (Kb/S)		
		Src 0	999.99	999.99		
	High	Src 1	999.99	999.99		
		Src 2	666.66	668.47		
	Medium	Src 3	666.66	667.53		
		Src 4	666.66	663.99		
		Src 5	200.00	199.48		
		Src 6	200.00	201.98		
	Normal	Src 7	200.00	201.68		
		Src 8	199.98	200.467		
		Src 9	200.00	196.39		
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ITCom+ OptiComm	Drop Ratio of ATN	Appli	cation	s: Case 1
Simu (mea	<i>llation results of Case 1:</i> E sured at scheduler).	Drop ratio	of ATN	traffic
	Type of traffic	Case 1	Case 2]
	High Priority Traffic	0.00	0.00	
	Medium Priority Traffic	0.00	0.49	
	Normal Priority Traffic	0.00	0.67	1
Construction of the observation	ervations: since there is no ratio is zero.	significar	it congest	ion, the
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Type of trafficCase 1Case 2High Priority Traffic0.000000.00000Medium Priority Traffic0.000000.49982Normal Priority Traffic0.000000.66562	Comm D Simula (measu	tion results of Case 2 red at scheduler).	N App	lication	N traffic
High Priority Traffic 0.00000 0.00000 Medium Priority Traffic 0.00000 0.49982 Normal Priority Traffic 0.00000 0.66562		Type of traffic	Case 1	Case 2	
Medium Priority Traffic 0.00000 0.49982 Normal Priority Traffic 0.00000 0.66562 Observations: the drop ratio of both Medium and Normal Priority traffic ore increased		High Priority Traffic	0.00000	0.00000	
Normal Priority Traffic 0.00000 0.66562 Observations: the drop ratio of both Medium and Normal Priority traffic are increased		Medium Priority Traffic	0.00000	0.49982	
Observations: the drop ratio of both Medium and Normal Driver to traffic are increased		Normal Priority Traffic	0.00000	0.66562	
Filolity trainc are increased.	Observ Priority	r <mark>ations:</mark> the drop ratio of traffic are increased.	of both Me	dium and	Normal
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