

Data Message Flow TDFs as of Release 16.8

(1) For Data protocol ping, udp, tcp, stcp and raw, the parameters listed below were added.

UPD Burst Transactions	[1, 20]
Persistent Connection	0 or 1
TCP Push	0 or 1
No FIN/ACK Wait	true or false
Disconnect Type	0 or 1 (1 for RST, 0 for FIN)
Slow Start	0 or 1
Max # of Packets before ACK	[0, 255]
Retransmission Time	0 or [100, 30000] (0 for DynamicAlgorithm)
Window Size	[2000, 65535]
Window Scaling Factor	[0, 14]
TCP Max Segment Size	Refer to Tcl variable mss
IP Segment Size	[64, 65535]
Interval Distribution	<i>TrafficIntervalShape/int(transactionInterval)/TrafficIntervalDeviation</i>
Packet Distribution	<i>PacketSizeShape/DataSize/PacketSizeDeviation</i>

Please note that Interval Distribution is a compound parameter that contains three parameters which are separated by slash signs. TrafficIntervalShape and TrafficIntervalDeviation are the corresponding Tcl variables. transactionInterval is the same as the parameter Transaction Interval in TDF. For example, Poisson/2/10

Packet Distribution is the same as Interval Distribution. PacketSizeShape, DataSize and PacketSizeDeviation are three Tcl variables.

(2) For Data abr, changed the existing TDF parameters to these:

Persistent Connection	These parameters are the same as those for basic protocols.
Source Port	
Dest Port	
Time To Live	
Type of Service	
DNS Dest	
DNS Server IP	
Max Source Port	
Min Source Port	
Client Port Range	
Start Port	
IP Segment Size	

(3) For others, we added these parameters below.

Total Retries	Refer to Tcl variable reqRetryCount
Data Response Time	Refer to Tcl variable responseAckTime
TCP Push	0 or 1
No FIN/ACK Wait	true or false
Disconnect Type	0 or 1 (1 for RST, 0 for FIN)
Slow Start	0 or 1
Max # of Packets before ACK	[0, 255]

Retransmission Time	0 or [100, 30000] (0 for DynamicAlgorithm)
Window Size	[2000, 65535]
Window Scaling Factor	[0, 14]
TCP Max Segment Size	Refer to Tcl variable mss
IP Segment Size	[64, 65535]
Interval Distribution	<i>TrafficIntervalShape/int(transactionInterval)/TrafficIntervalDeviation</i>
Billing SYN/ACK/FIN/RST	0 or 1
Billing Subflow	0 or 1
Billing Per Transaction	0 or 1