ilter size	Thread 1	Thread 2	Thread 4	Thread 8	thread 16	Thread 32	Thread 64	Thread 72							
	2 56 16530245		56793009	106811141	265901708			16528466029							
	19232945		65897699	136118771	363377177			21926510219							
	20103950		95423364	181890405	510993166			28953506422							
20	17299501	30336487	128800420	250835297	833346912			41417087076							
40	19792693	31475487	265413665	559420722	1414630781	6615827090	34622755151	60776646759							
81	18907929	35480185	491065732	1015611057	2235990881	7423331513	34111756032	69454496616							
Thread vs Ti 5000000000 1000000000 500000000 100000000					1				1		25 51 10 20 40	2 24 48 96			
	Thread 1	Thread	12 1	Thread 4	Thread 8	thread 16	Threa	ad 32	Thread 64	Thread 72					
	r size increases, lat	ency also increas	es. This is beca	use latency of se	quentially walki	ing through filters					er size, the dom	nant latency	is from wa	king through t	he filters.
Itersize	r size increases, lat	ency also increas	es. This is becau	use latency of se	quentially walki	ing through filters	s increases. Eve				er size, the dom	nant latency	is from wa	king through t	he filters.
tersize	r size increases, lat 256 29656	ency also increas 512 28159	es. This is becau 1K 27979	use latency of se 2K 28015	quentially walki 4K 27870	ng through filters 8K 27954	s increases. Eve				er size, the dom	nant latency	is from wal	king through t	ne filters.
tersize	r size increases, lat 256 29656 28902	512 28159 28315	es. This is because 1K 27979 27956	28015 28142	quentially walki 4K 27870 28019	8K 27954 28027	s increases. Eve				er size, the dom	nant latency	is from wal	king through t	he filters.
tersize	r size increases, lat 256 29656 28902 28966	512 28159 28315 28343	es. This is because 11K 27979 27956 27800	2K 28015 28142 27610	quentially walki 4K 27870 28019 28059	8K 27954 28027 27709	s increases. Evei				er size, the dom	nant latency	is from wal	king through ti	he filters.
tersize	256 29656 28902 28966 29364	512 28159 28315 28343 28217	es. This is because 11K 27979 27956 27800 27826	2K 28015 28142 27610 27664	quentially walki 4K 27870 28019 28059 27970	8K 27954 28027 27709 28045	s increases. Ever				er size, the dom	nant latency	is from wal	king through ti	he filters.
tersize started	256 29656 28902 28966 29364 29364	512 28159 28315 28343 28217 28308	es. This is because 11K 27979 27956 27800 27826 28504	2K 28015 28142 27610 27664 27501	quentially walki 4K 27870 28019 28059 27970 27686	8K 27954 28027 27709 28045 27844	s increases. Ever				er size, the domi	nant latency	is from wal	king through ti	ne filters.
tersize started	256 29656 28902 28966 29364 29364 28962 29170	512 28159 28315 28343 28217 28308 28268.4	es. This is becau 11K 27979 27956 27800 27826 28504 28013	28015 28015 28142 27610 27664 27501 27786.4	quentially walki 4K 27870 28019 28059 27970 27686 27920.8	8K 27954 28027 27709 28045 27844 27915.8	s increases. Evei				er size, the domi	nant latency	is from wal	king through ti	ne filters.
tersize started verage success	256 29656 28902 28966 29364 29364 28962 29170 16000	512 28159 28315 28343 28217 28308 28268.4 16000	es. This is because 11K 27979 27956 27800 27826 28504 28013 16000	28015 28015 28142 27610 27664 27501 27786.4 16000	4K 27870 28019 28059 27970 27686 27920.8 16000	8K 27954 28027 27709 28045 27844 27915.8 16000	s increases. Evei				or size, the domi	nant latency	is from wal	king through ti	ne filters.
Analysis: As the filter Filtersize Ex started Average Ex success Filtersize Abort rate	256 29656 28902 28966 29364 29364 28962 29170	512 28159 28315 28343 28217 28308 28268.4 16000 512	es. This is because 11K 27979 27956 27800 27826 28504 28013 16000	2K 28015 28142 27610 27664 27501 27786.4 16000 2K	quentially walki 4K 27870 28019 28059 27970 27686 27920.8	8K 27954 28027 27709 28045 27844 27915.8 16000 8K	s increases. Ever				er size, the domi	nant latency	is from wal	king through ti	he filters.
Filtersize Ex started Average Ex success Filtersize Abort rate	256 29656 28902 28966 29364 29364 28962 29170 16000 256	512 28159 28315 28343 28217 28308 28268.4 16000 512	es. This is because 11K 27979 27956 27800 27826 28504 28013 16000 11K	2K 28015 28142 27610 27664 27501 27786.4 16000 2K	quentially walki 4K 27870 28019 28059 27970 27686 27920.8 16000 4K 42.69505172	8K 27954 28027 27709 28045 27844 27915.8 16000 8K	s increases. Ever				or size, the domi	nant latency	is from wal	king through ti	he filters.
illtersize x started werage x success sittersize short rate 46 45	256 29656 28902 28966 29364 29364 28962 29170 16000 256 45.14912581	512 28159 28315 28343 28217 28308 28268.4 16000 512	es. This is because 11K 27979 27956 27800 27826 28504 28013 16000 11K	28015 28142 27610 27664 27501 27786.4 16000 2K 42.41787349	quentially walki 4K 27870 28019 28059 27970 27686 27920.8 16000 4K 42.69505172	8K 27954 28027 27709 28045 27844 27915.8 16000 8K	s increases. Ever				or size, the domi	nant latency	is from wal	king through the	he filters.

Filtersize

Thread, filter size 4096	LightHW	BFHW	SpecSW	IrrevocSW	SgISW	Total				
hread 1	1000	0	0	0	0	100	00			
read 2	26	2018	84	44	0	217	72			
hread 4	258	2185	2154	2118	396	71	11			
hread 8	109	5184	4275	3969	107	1364	14			
hread 16	96									
hread 32	192									
hread 64	357									
hread 72	378	43205	43194	40518	0	12729	95			
Transaction M	ethod Utiliza	ation for dif	ferent Thre	SgISI	ocSW					
100000	ethod Utiliza	ation for dif	ferent Thre	SgIS	sw N					
100000 ————————————————————————————————		_ =		SglSt Irrevc Spec BFHV Light	sw N					
150000 — 100000 — 100000 — 50000 — 1000000 — 100000 — 100000 — 100000 — 100000 — 100000 — 100000 — 1000000 — 100000 — 100000 — 100000 — 100000 — 100000 — 100000 — 1000000 — 100000 — 100000 — 100000 — 100000 — 100000 — 100000 — 1000000 — 100000 — 100000 — 100000 — 100000 — 100000 — 100000 — 1000000 — 100000 — 100000 — 100000 — 100000 — 100000 — 100000 — 1000000 — 100000 — 100000 — 100000 — 100000 — 100000 — 100000 — 1000000 — 100000 — 100000 — 100000 — 100000 — 100000 — 100000 — 1000000 — 100000 — 100000 — 100000 — 100000 — 100000 — 100000 — 1000000 — 100000 — 100000 — 100000 — 100000 — 100000 — 100000 — 1000000 — 100000 — 100000 — 100000 — 100000 — 100000 — 100000 — 1000000 — 100000 — 100000 — 100000 — 100000 — 100000 — 100000 — 1000000 — 100000 — 100000 — 100000 — 100000 — 100000 — 100000 — 1000000 — 100000 — 100000 — 100000 — 100000 — 100000 — 100000 — 1000000 — 100000 — 100000 — 100000 — 100000 — 100000 — 100000 — 1000000 — 100000 — 100000 — 100000 — 100000 — 100000 — 100000 — 1000000 — 100000 — 100000 — 100000 — 100000 — 100000 — 100000 — 100000000	Thread Thread	Thread Thread T	hread Thread Th	SglSt Irrevo Spec BFHI Light	sw N					
150000 —————————————————————————————————		Thread Thread T	hread Thread Th	SglSt Irrevc Spec BFHV Light	sw N					