

workloadx is a write-only skewed distribution, with client side batching.				
IMC with 2% active and 2 pipeline segments has an advantage over none in write-only workloads				
read latency is inferior				
		SYNC_WAL		
		NONE	BASIC (default) A=0.1 S=4	ADAPTIVE A=0.02 S=2
workloadx 100% write zipfian distribution 100M ops*5 fields *50B=25GB write all values pre-split 10 regions client side buffer =10240B	overall run-time	3,132,330	2,969,094	2,826,983
	overall throughput	31,925	33,680	35,373
	write average latency	373	354	337
	write min latency	2	2	2
	write max latency	177,151	369,919	243,711
	write 95th percentile latency	3,825	3,679	3,591
	write 99th percentile latency	5,695	5,599	4,927
insert 25M rows* 10 fields*100B =25GB uniform distribution (sequential hash) write all values no pre-split	overall run-time	2,185,319	2,321,732	1,991,345
	overall throughput	11,439	10,767	12,554
	insert average latency	1,042	1,107	948
	insert min latency	415	418	430
	insert max latency	182,399	369,663	464,127
	insert 95th percentile latency	1,329	1,432	1,208
	insert 99th percentile latency	1,564	1,665	1,491
workloada 50% read 50% write zipfian distribution 25M operations read all values write single value	overall run-time	2,620,603	2,716,003	2,841,089
	overall throughput	9,539	9,204	8,799
	read average latency	1,654	1,754	1,878
	read min latency	276	290	294
	read max latency	3,641,343	2,383,871	3,332,095
	read 95th percentile latency	2,963	2,947	3,357
	read 99th percentile latency	4,451	4,431	6,767
	write average latency	846	838	833
	write min latency	356	346	342
	write max latency	3,629,055	2,383,871	3,330,047
	write 95th percentile latency	1,056	1,044	1,037
	write 99th percentile latency	1,362	1,414	1,420
workload c read-only zipfian distribution 25M operations read all values	overall run-time	3,251,508	3,411,079	3,348,345
	overall throughput	7,688	7,329	7,466
	read average latency	1,553	1,629	1,601
	read min latency	259	265	271
	read max latency	501,759	278,015	312,575
	read 95th percentile latency	2,591	2,301	2,585
	read 99th percentile latency	3,757	3,251	4,055
				(hit ratio 90%)