

Protocol	Run	Concurrency	Total Requests	Throughput	Latency	Errors	%	Error Rate
REST	1	20	3889	777.8	20.55	1009	20.6%	
REST	2	20	3875	775	20.63	997	20.5%	
REST	3	20	3837	767.4	20.85	991	20.5%	
REST	1	50	3701	740.2	54.15	955	20.5%	
REST	2	50	3618	723.6	56.06	892	19.8%	
REST	3	50	3764	752.8	54.23	890	19.1%	
REST	1	100	3376	675.2	121.4	827	19.7%	
REST	2	100	3127	625.4	129.02	806	20.5%	
REST	3	100	3572	714.4	114.47	862	19.4%	
gRPC	1	20	59560	11912	1.34	14798	19.9%	
gRPC	2	20	55408	11081.6	1.44	13951	20.1%	
gRPC	3	20	59135	11827	1.35	14950	20.2%	
gRPC	1	50	59353	11870.6	3.36	15029	20.2%	
gRPC	2	50	59372	11874.4	3.37	14829	20.0%	
gRPC	3	50	59926	11985.2	3.33	15244	20.3%	
gRPC	1	100	59205	11841	6.75	14941	20.2%	
gRPC	2	100	60063	12012.6	6.68	14833	19.8%	
gRPC	3	100	59206	11841.2	6.74	15005	20.2%	

Protocol	Concurrency	#	Avg Throughput	#	Avg Latency	Avg Error Rate
REST	20		773.40		20.68	20.5%
REST	50		738.87		54.81	19.8%
REST	100		671.67		121.63	19.9%
gRPC	20		11606.87		1.38	20.1%
gRPC	50		11910.07		3.35	20.2%
gRPC	100		11898.27		6.72	20.1%

Concurrency	REST Throughput	gRPC Throughput
20	773.40	11606.87
50	738.87	11910.07
100	671.67	11898.27

Concurrency	REST Error Rate	gRPC Error Rate
20	20.5%	20.1%
50	19.8%	20.2%
100	19.9%	20.1%

