#### **TCP Search Server Benchmark Report**

# TCP Search Server Benchmark Report Generated: 2025-04-15 00:20:16

**Blyes**to

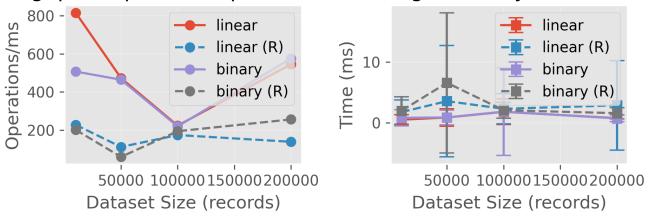
Performance Summary
ALL PERFORMANCE REQUIREMENTS MET

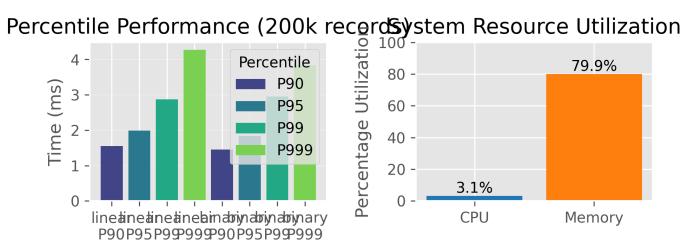
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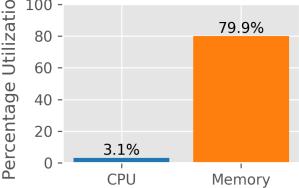
Detailed Validation Resul	te			
Test Case	Status	Details		
LINEAR (reread_off)	PASS	Average: 0.73ms <= 100ms, 99th Percentile: 2.88ms <= 150ms,		
		99.9th Percentile: 4.27ms <= 200ms		
LINEAR (reread_on)	PASS	Average: 2.86ms <= 500ms, 99th Percentile: 45.38ms <= 750ms,		
		99.9th Percentile: 81.54ms <= 1000ms		
BINARY (reread_off)	PASS	Average: 0.70ms <= 15ms, 99th Percentile: 2.95ms <= 50ms, 99.9th		
		Percentile: 3.83ms <= 70ms		
BINARY (reread_on)	PASS	Average: 1.56ms <= 50ms, 99th Percentile: 4.21ms <= 100ms,		
		99.9th Percentile: 6.01ms <= 150ms		

#### **TCP Search Server Benchmark Report Performance Analysis**

### Throughput (Operations per Millisec Avel) age Latency with Std Dev







### **TCP Search Server Benchmark Report**

Raw Ben	chmark	'k Data						
Algorithm	Reread	FileSize	AvgTime	P99	P999	Samples		
linear	False	10000	0.49	4.53	6.88	400		
linear	True	10000	1.75	9.97	11.78	400		
binary	False	10000	0.79	7.27	11.21	400		
binary	True	10000	1.98	11.71	13.77	400		
linear	False	50000	0.85	7.63	13.44	400		
linear	True	50000	3.55	67.05	112.21	400		
binary	False	50000	0.86	5.96	17.22	400		
binary	True	50000	6.58	72.24	88.53	400		
linear	False	100000	1.79	11.78	14.89	400		
linear	True	100000	2.29	12.26	15.52	400		
binary	False	100000	1.82	48.23	82.41	400		
binary	True	100000	2.05	6.88	8.31	400		
linear	False	200000	0.73	2.88	4.27	400		
linear	True	200000	2.86	45.38	81.54	400		
binary	False	200000	0.70	2.95	3.83	400		
binary	True	200000	1.56	4.21	6.01	400		