

Snappy (Xerial)

Benchmark	(block size)	(sigma)	( # blocks)	Time (ms/op)	Error (± ms/op)	Difference
Native compress	512	2	2048	3.658	0.335	
Native compress stream	512	2	2048	2.820	0.195	
Native decompress stream	512	2	2048	1.236	0.083	
Provided compress	512	2	2048	4.608	0.214	125.970%
Provided compress stream	512	2	2048	4.434	0.339	157.234%
Provided decompress stream	512	2	2048	1.685	0.097	136.327%
Native compress	4096	2	256	3.054	0.394	
Native compress stream	4096	2	256	2.816	0.239	
Native decompress stream	4096	2	256	1.223	0.052	
Provided compress	4096	2	256	4.671	1.075	152.947%
Provided compress stream	4096	2	256	4.418	0.229	156.889%
Provided decompress stream	4096	2	256	1.676	0.071	137.040%
Native compress	32768	2	32	2.763	0.238	
Native compress stream	32768	2	32	2.787	0.258	
Native decompress stream	32768	2	32	1.233	0.088	
Provided compress	32768	2	32	4.459	0.456	161.383%
Provided compress stream	32768	2	32	4.569	0.207	163.940%
Provided decompress stream	32768	2	32	1.711	0.089	138.767%
Native compress	65536	2	16	2.734	0.233	
Native compress stream	65536	2	16	2.744	0.136	
Native decompress stream	65536	2	16	1.220	0.071	
Provided compress	65536	2	16	4.263	0.392	155.925%
Provided compress stream	65536	2	16	4.399	0.274	160.313%
Provided decompress stream	65536	2	16	1.722	0.349	141.148%
Native compress	512	5	2048	1.919	0.514	
Native compress stream	512	5	2048	0.810	0.042	
Native decompress stream	512	5	2048	0.659	0.032	
Provided compress	512	5	2048	2.272	0.173	118.395%
Provided compress stream	512	5	2048	1.262	0.239	155.802%
Provided decompress stream	512	5	2048	0.842	0.075	127.769%
Native compress	4096	5	256	0.999	0.030	
Native compress stream	4096	5	256	0.785	0.037	
Native decompress stream	4096	5	256	0.644	0.050	
Provided compress	4096	5	256	1.712	0.243	171.371%
Provided compress stream	4096	5	256	1.312	0.117	167.134%
Provided decompress stream	4096	5	256	0.866	0.092	134.472%
Native compress	32768	5	32	0.867	0.019	
Native compress stream	32768	5	32	0.770	0.053	
Native decompress stream	32768	5	32	0.651	0.027	
Provided compress	32768	5	32	1.528	0.082	176.240%
Provided compress stream	32768	5	32	1.371	0.149	178.052%
Provided decompress stream	32768	5	32	0.840	0.031	129.032%
Native compress	65536	5	16	0.835	0.038	
Native compress stream	65536	5	16	0.785	0.152	
Native decompress stream	65536	5	16	0.652	0.043	
Provided compress	65536	5	16	1.465	0.091	175.449%
Provided compress stream	65536	5	16	1.405	0.068	178.981%
Provided decompress stream	65536	5	16	0.820	0.022	125.767%
# JMH version: 1.33						
# VM version: JDK 11.0.8, OpenJDK 64-Bit Server VM, 11.0.8+10-LTS						
# VM invoker: /Library/Java/JavaVirtualMachines/zulu-11.jdk/Contents/Home/bin/java						
# Blackhole mode: full + dont-inline hint (default, use -Djmh.blackhole.autoDetect=true to auto-detect)						
# Warmup: 5 iterations, 10 s each						
# Measurement: 5 iterations, 10 s each						
# Timeout: 10 min per iteration						
# Threads: 1 thread, will synchronize iterations						
# Benchmark mode: Average time, time/op						