

Snappy (Aircompressor)

Benchmark	(block size)	(sigma)	(# blocks)	Time (ms/op)	Error (± ms/op)	Difference
Native compress	512	2	2048	3.633	0.230	
Native compress stream	512	2	2048	2.854	0.181	
Native decompress stream	512	2	2048	1.236	0.091	
Provided compress	512	2	2048	3.686	0.187	101.459%
Provided compress stream	512	2	2048	3.496	0.230	122.495%
Provided decompress stream	512	2	2048	1.57	0.261	127.023%
Native compress	4096	2	256	2.948	0.192	
Native compress stream	4096	2	256	2.781	0.168	
Native decompress stream	4096	2	256	1.226	0.085	
Provided compress	4096	2	256	3.818	1.177	129.512%
Provided compress stream	4096	2	256	3.294	0.261	118.447%
Provided decompress stream	4096	2	256	1.593	0.128	129.935%
Native compress	32768	2	32	2.831	0.361	
Native compress stream	32768	2	32	2.798	0.220	
Native decompress stream	32768	2	32	1.244	0.072	
Provided compress	32768	2	32	3.069	0.185	108.407%
Provided compress stream	32768	2	32	3.459	0.328	123.624%
Provided decompress stream	32768	2	32	1.592	0.109	127.974%
Native compress	65536	2	16	2.747	0.154	
Native compress stream	65536	2	16	2.766	0.174	
Native decompress stream	65536	2	16	1.238	0.152	
Provided compress	65536	2	16	3.077	0.224	112.013%
Provided compress stream	65536	2	16	3.443	0.761	124.476%
Provided decompress stream	65536	2	16	1.594	0.099	128.756%
Native compress	512	5	2048	1.898	0.222	
Native compress stream	512	5	2048	0.809	0.049	
Native decompress stream	512	5	2048	0.669	0.045	
Provided compress	512	5	2048	1.048	0.080	55.216%
Provided compress stream	512	5	2048	0.909	0.058	112.361%
Provided decompress stream	512	5	2048	0.716	0.031	107.025%
Native compress	4096	5	256	0.987	0.094	
Native compress stream	4096	5	256	0.780	0.045	
Native decompress stream	4096	5	256	0.662	0.115	
Provided compress	4096	5	256	0.876	0.052	88.754%
Provided compress stream	4096	5	256	0.865	0.183	110.897%
Provided decompress stream	4096	5	256	0.685	0.043	103.474%
Native compress	32768	5	32	0.868	0.043	
Native compress stream	32768	5	32	0.790	0.094	
Native decompress stream	32768	5	32	0.677	0.085	
Provided compress	32768	5	32	0.772	0.143	88.940%
Provided compress stream	32768	5	32	0.865	0.038	109.494%
Provided decompress stream	32768	5	32	0.702	0.067	103.693%
Native compress	65536	5	16	0.850	0.046	
Native compress stream	65536	5	16	0.774	0.076	
Native decompress stream	65536	5	16	0.651	0.028	
Provided compress	65536	5	16	0.911	0.076	107.176%
Provided compress stream	65536	5	16	0.919	0.157	118.734%
Provided decompress stream	65536	5	16	0.746	0.036	114.593%
# 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						