

Large Database Query - 64KiB with 4 I/Os per stream

Test Run Sequence - Ramp-Up Interval

TR11	96 Streams			TR12	48 Streams			TR13	24 Streams			TR14	12 Streams			TR15	1 Stream		
Test Run Sequence Time	Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms	Test Run Sequence Time	Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms	Test Run Sequence Time	Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms	Test Run Sequence Time	Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms	Test Run Sequence Time	Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms
0:00:00	8,875.51	739.63	0.22	0:07:00	7,535.50	1,255.92	0.12	0:14:00	4,100.33	1,366.78	0.10	0:21:00	5,701.10	1,900.37	0.10	0:28:00	2,736.13	2,736.13	0.09
0:00:05	10,072.31	530.12	0.39	0:07:05	9,943.28	1,242.91	0.19	0:14:05	9,512.46	1,585.41	0.14	0:21:05	8,995.38	1,799.08	0.12	0:28:05	2,783.12	2,783.12	0.09
0:00:10	9,999.00	416.63	0.54	0:07:10	10,014.27	1,001.43	0.26	0:14:10	10,397.67	1,485.38	0.17	0:21:10	13,043.75	1,630.47	0.14	0:28:10	2,774.53	2,774.53	0.09
0:00:15	11,039.92	324.70	0.70	0:07:15	10,717.73	630.45	0.34	0:14:15	11,032.85	1,002.99	0.22	0:21:15	15,271.45	1,908.93	0.14	0:28:15	2,767.92	2,767.92	0.09
0:00:20	11,211.75	287.48	0.83	0:07:20	11,275.07	451.00	0.50	0:14:20	11,182.74	1,016.61	0.26	0:21:20	15,225.75	1,903.22	0.14	0:28:20	2,762.93	2,762.93	0.09
0:00:25	11,207.66	228.73	1.01	0:07:25	12,194.06	469.00	0.55	0:14:25	11,784.22	906.48	0.27	0:21:25	15,200.35	1,900.04	0.14	0:28:25	2,762.88	2,762.88	0.09
0:00:30	12,850.52	221.56	1.09	0:07:30	12,990.16	481.12	0.54	0:14:30	13,893.96	926.26	0.27	0:21:30	15,249.85	1,906.23	0.14	0:28:30	2,770.75	2,770.75	0.09
0:00:35	15,295.57	242.79	1.05	0:07:35	13,565.70	467.78	0.54	0:14:35	15,433.73	907.87	0.27	0:21:35	15,925.34	1,592.53	0.14	0:28:35	2,774.23	2,774.23	0.09
0:00:40	15,864.72	244.07	1.05	0:07:40	14,628.69	430.26	0.55	0:14:40	16,694.40	927.47	0.27	0:21:40	18,326.89	1,832.69	0.14	0:28:40	2,778.94	2,778.94	0.09
0:00:45	16,816.56	243.72	1.04	0:07:45	16,917.82	457.24	0.56	0:14:45	17,169.01	903.63	0.27	0:21:45	18,358.16	1,835.82	0.14	0:28:45	2,774.03	2,774.03	0.09
0:00:50	17,347.31	247.82	1.05	0:07:50	18,714.88	479.87	0.54	0:14:50	18,416.81	969.31	0.27	0:21:50	18,880.47	1,716.41	0.14	0:28:50	2,770.01	2,770.01	0.09
0:00:55	18,132.21	238.58	1.05	0:07:55	19,400.39	473.18	0.54	0:14:55	18,369.96	966.84	0.27	0:21:55	19,449.16	1,768.11	0.15	0:28:55	2,771.83	2,771.83	0.09
0:01:00	19,819.07	244.68	1.04	0:08:00	19,892.98	485.19	0.54	0:15:00	19,182.13	959.11	0.27	0:22:00	19,499.80	1,772.71	0.15	0:29:00	2,771.59	2,771.59	0.09
0:01:05	20,199.82	246.34	1.05	0:08:05	19,907.48	462.96	0.54	0:15:05	19,613.32	933.97	0.27	0:22:05	19,442.15	1,767.47	0.15	0:29:05	2,782.25	2,782.25	0.09
0:01:10	20,528.50	235.96	1.08	0:08:10	20,488.98	465.66	0.56	0:15:10	20,179.21	877.36	0.28	0:22:10	19,477.46	1,770.68	0.15	0:29:10	2,760.16	2,760.16	0.09
0:01:15	20,856.58	231.74	1.11	0:08:15	20,558.42	456.85	0.56	0:15:15	20,594.79	895.43	0.29	0:22:15	19,553.33	1,629.44	0.15	0:29:15	2,769.34	2,769.34	0.09
0:01:20	20,903.76	227.21	1.14	0:08:20	20,703.97	450.09	0.58	0:15:20	20,588.16	895.14	0.29	0:22:20	20,028.38	1,669.03	0.16	0:29:20	2,763.01	2,763.01	0.09
0:01:25	20,905.34	217.76	1.18	0:08:25	20,823.42	433.82	0.59	0:15:25	20,630.83	859.62	0.29	0:22:25	20,063.64	1,671.97	0.16	0:29:25	2,766.46	2,766.46	0.09
0:01:30	20,971.83	218.46	1.20	0:08:30	20,911.31	435.65	0.60	0:15:30	20,695.52	862.31	0.30	0:22:30	20,090.77	1,674.23	0.16	0:29:30	2,768.13	2,768.13	0.09
0:01:35	20,916.27	217.88	1.20	0:08:35	20,806.89	433.48	0.60	0:15:35	20,729.41	863.73	0.30	0:22:35	20,047.71	1,670.64	0.16	0:29:35	2,771.65	2,771.65	0.09
0:01:40	20,955.78	218.29	1.20	0:08:40	20,775.32	432.82	0.61	0:15:40	20,746.52	864.44	0.30	0:22:40	20,093.12	1,674.43	0.16	0:29:40	2,773.49	2,773.49	0.09
0:01:45	20,972.56	218.46	1.20	0:08:45	20,808.21	433.50	0.60	0:15:45	20,749.66	864.57	0.30	0:22:45	20,010.56	1,667.55	0.16	0:29:45	2,776.92	2,776.92	0.09
0:01:50	21,021.56	218.97	1.20	0:08:50	20,788.92	433.10	0.60	0:15:50	20,643.04	860.13	0.30	0:22:50	20,153.73	1,679.48	0.16	0:29:50	2,760.89	2,760.89	0.09
0:01:55	21,003.81	218.79	1.20	0:08:55	20,837.60	434.12	0.60	0:15:55	20,788.50	866.19	0.30	0:22:55	20,100.35	1,675.03	0.16	0:29:55	2,770.03	2,770.03	0.09
0:02:00	20,976.76	218.51	1.20	0:09:00	20,905.87	435.54	0.60	0:16:00	20,513.97	854.75	0.31	0:23:00	20,058.04	1,671.50	0.16	0:30:00	2,756.49	2,756.49	0.09
0:02:05	20,971.92	218.46	1.20	0:09:05	20,840.40	434.17	0.60	0:16:05	20,724.88	863.54	0.30	0:23:05	20,168.96	1,680.75	0.16	0:30:05	2,767.53	2,767.53	0.09
0:02:10	20,910.28	217.82	1.20	0:09:10	20,836.04	434.08	0.60	0:16:10	20,695.52	862.31	0.30	0:23:10	20,140.78	1,678.40	0.16	0:30:10	2,758.97	2,758.97	0.09
0:02:15	20,998.45	218.73	1.20	0:09:15	20,895.20	435.32	0.60	0:16:15	20,756.86	864.87	0.30	0:23:15	20,085.32	1,673.78	0.16	0:30:15	2,764.72	2,764.72	0.09
0:02:20	20,889.72	217.60	1.20	0:09:20	20,827.08	433.90	0.60	0:16:20	20,722.64	863.44	0.30	0:23:20	20,087.82	1,673.99	0.16	0:30:20	2,767.70	2,767.70	0.09
0:02:25	20,953.59	218.27	1.20	0:09:25	20,812.22	433.59	0.60	0:16:25	20,802.36	866.77	0.30	0:23:25	20,170.87	1,680.91	0.16	0:30:25	2,764.36	2,764.36	0.09
0:02:30	21,000.50	218.76	1.20	0:09:30	20,856.06	434.50	0.60	0:16:30	20,796.49	866.52	0.30	0:23:30	20,069.77	1,672.48	0.16	0:30:30	2,762.05	2,762.05	0.09
0:02:35	21,016.30	218.92	1.20	0:09:35	20,867.69	434.74	0.60	0:16:35	20,783.71	865.99	0.30	0:23:35	20,070.91	1,672.58	0.16	0:30:35	2,771.76	2,771.76	0.09
0:02:40	20,969.22	218.43	1.20	0:09:40	20,765.78	432.62	0.60	0:16:40	20,717.75	863.24	0.30	0:23:40	20,132.41	1,677.70	0.16	0:30:40	2,757.24	2,757.24	0.09
0:02:45	21,023.33	218.99	1.20	0:09:45	20,834.17	434.05	0.60	0:16:45	20,648.56	860.36	0.30	0:23:45	20,140.95	1,678.41	0.16	0:30:45	2,771.71	2,771.71	0.09
0:02:50	20,998.17	218.73	1.20	0:09:50	20,860.98	434.60	0.60	0:16:50	20,626.96	859.46	0.30	0:23:50	20,090.49	1,674.21	0.16	0:30:50	2,760.17	2,760.17	0.09
0:02:55	21,100.51	219.80	1.19	0:09:55	20,908.07	435.58	0.60	0:16:55	20,650.60	860.44	0.30	0:23:55	20,142.68	1,678.56	0.16	0:30:55	2,763.64	2,763.64	0.09

Large Database Query - 64KiB with 4 I/Os per stream

Test Run Sequence = Measurement Interval

TR11	96 Streams			TR12	48 Streams			TR13	24 Streams			TR14	12 Streams			TR15	1 Stream		
Test Run Sequence Time	Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms	Test Run Sequence Time	Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms	Test Run Sequence Time	Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms	Test Run Sequence Time	Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms	Test Run Sequence Time	Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms
0:03:00	20,972.88	218.47	1.20	0:10:00	20,844.28	434.26	0.60	0:17:00	20,746.40	864.43	0.30	0:24:00	20,084.78	1,673.73	0.16	0:31:00	2,757.57	2,757.57	0.09
0:03:05	20,939.76	218.12	1.20	0:10:05	20,854.82	434.48	0.60	0:17:05	20,694.67	862.28	0.30	0:24:05	20,184.56	1,682.05	0.16	0:31:05	2,753.48	2,753.48	0.09
0:03:10	20,968.21	218.42	1.20	0:10:10	20,808.25	433.51	0.60	0:17:10	20,575.70	857.32	0.30	0:24:10	20,102.72	1,675.23	0.16	0:31:10	2,772.81	2,772.81	0.09
0:03:15	21,013.95	218.90	1.20	0:10:15	20,888.60	435.18	0.60	0:17:15	20,791.25	866.30	0.30	0:24:15	20,094.44	1,674.54	0.16	0:31:15	2,761.72	2,761.72	0.09
0:03:20	20,939.91	218.12	1.20	0:10:20	20,920.39	435.84	0.60	0:17:20	20,743.20	864.30	0.30	0:24:20	20,102.47	1,675.21	0.16	0:31:20	2,770.97	2,770.97	0.09
0:03:25	20,967.95	218.42	1.20	0:10:25	20,728.61	431.85	0.61	0:17:25	20,722.96	863.46	0.30	0:24:25	20,140.54	1,678.38	0.16	0:31:25	2,759.39	2,759.39	0.09
0:03:30	21,016.13	218.92	1.20	0:10:30	20,719.55	431.66	0.61	0:17:30	20,617.42	859.06	0.30	0:24:30	20,109.93	1,675.83	0.16	0:31:30	2,767.44	2,767.44	0.09
0:03:35	20,996.89	218.72	1.20	0:10:35	20,693.29	431.11	0.61	0:17:35	20,695.02	862.29	0.30	0:24:35	20,090.51	1,674.21	0.16	0:31:35	2,752.00	2,752.00	0.09
0:03:40	21,081.03	219.59	1.19	0:10:40	20,655.19	430.32	0.61	0:17:40	20,714.72	863.11	0.30	0:24:40	20,019.61	1,668.30	0.16	0:31:40	2,762.32	2,762.32	0.09
0:03:45	20,924.74	217.97	1.20	0:10:45	20,701.71	431.29	0.61	0:17:45	20,706.10	862.75	0.30	0:24:45	20,124.89	1,677.07	0.16	0:31:45	2,764.83	2,764.83	0.09
0:03:50	20,952.62	218.26	1.20	0:10:50	20,730.78	431.89	0.61	0:17:50	20,683.54	861.81	0.30	0:24:50	20,059.04	1,671.59	0.16	0:31:50	2,769.65	2,769.65	0.09
0:03:55	21,038.63	219.15	1.19	0:10:55	20,739.30	432.07	0.61	0:17:55	20,741.35	864.22	0.30	0:24:55	20,089.93	1,674.16	0.16	0:31:55	2,754.94	2,754.94	0.09
0:04:00	20,907.77	217.79	1.20	0:11:00	20,885.89	435.12	0.60	0:18:00	20,759.51	864.98	0.30	0:25:00	20,158.50	1,679.87	0.16	0:32:00	2,766.04	2,766.04	0.09
0:04:05	21,042.50	219.19	1.20	0:11:05	20,811.77	433.58	0.60	0:18:05	20,747.75	864.49	0.30	0:25:05	20,071.68	1,672.64	0.16	0:32:05	2,767.57	2,767.57	0.09
0:04:10	21,011.30	218.87	1.20	0:11:10	20,837.72	434.12	0.60	0:18:10	20,734.75	863.95	0.30	0:25:10	20,136.85	1,678.07	0.16	0:32:10	2,759.62	2,759.62	0.09
0:04:15	20,982.63	218.57	1.20	0:11:15	20,783.93	433.00	0.60	0:18:15	20,758.96	864.96	0.30	0:25:15	20,130.31	1,677.53	0.16	0:32:15	2,760.61	2,760.61	0.09
0:04:20	21,077.82	219.56	1.19	0:11:20	20,835.53	434.07	0.60	0:18:20	20,765.81	865.24	0.30	0:25:20	20,155.32	1,679.61	0.16	0:32:20	2,759.07	2,759.07	0.09
0:04:25	21,033.49	219.10	1.19	0:11:25	20,779.89	432.91	0.60	0:18:25	20,778.16	865.76	0.30	0:25:25	20,160.14	1,680.01	0.16	0:32:25	2,773.84	2,773.84	0.09
0:04:30	21,052.38	219.30	1.19	0:11:30	20,636.29	429.92	0.61	0:18:30	20,768.32	865.35	0.30	0:25:30	20,168.35	1,680.70	0.16	0:32:30	2,760.94	2,760.94	0.09
0:04:35	21,035.86	219.12	1.20	0:11:35	20,885.27	435.11	0.60	0:18:35	20,794.22	866.43	0.30	0:25:35	20,149.70	1,679.14	0.16	0:32:35	2,757.01	2,757.01	0.09
0:04:40	20,749.56	216.14	1.21	0:11:40	20,877.31	434.94	0.60	0:18:40	20,740.98	864.21	0.30	0:25:40	20,079.51	1,673.29	0.16	0:32:40	2,764.25	2,764.25	0.09
0:04:45	21,057.83	219.35	1.19	0:11:45	20,956.74	436.60	0.60	0:18:45	20,741.51	864.23	0.30	0:25:45	20,090.30	1,674.19	0.16	0:32:45	2,765.56	2,765.56	0.09
0:04:50	20,991.42	218.66	1.20	0:11:50	20,923.65	435.91	0.60	0:18:50	20,787.40	866.14	0.30	0:25:50	20,094.78	1,674.57	0.16	0:32:50	2,760.21	2,760.21	0.09
0:04:55	20,985.31	218.60	1.20	0:11:55	20,881.53	435.03	0.60	0:18:55	20,716.51	863.19	0.30	0:25:55	20,118.70	1,676.56	0.16	0:32:55	2,768.57	2,768.57	0.09
0:05:00	21,023.93	219.00	1.19	0:12:00	20,828.45	433.93	0.60	0:19:00	20,801.70	866.74	0.30	0:26:00	20,186.62	1,682.22	0.15	0:33:00	2,768.68	2,768.68	0.09
0:05:05	21,003.06	218.78	1.20	0:12:05	20,883.35	435.07	0.60	0:19:05	20,703.18	862.63	0.30	0:26:05	20,076.94	1,673.08	0.16	0:33:05	2,754.91	2,754.91	0.09
0:05:10	20,988.02	218.63	1.20	0:12:10	20,888.99	435.19	0.60	0:19:10	20,698.07	862.42	0.30	0:26:10	20,091.49	1,674.29	0.16	0:33:10	2,754.28	2,754.28	0.09
0:05:15	20,999.63	218.75	1.20	0:12:15	20,907.87	435.58	0.60	0:19:15	20,734.21	863.93	0.30	0:26:15	20,203.34	1,683.61	0.15	0:33:15	2,764.10	2,764.10	0.09
0:05:20	20,987.47	218.62	1.20	0:12:20	20,845.73	434.29	0.60	0:19:20	20,773.36	865.56	0.30	0:26:20	20,117.64	1,676.47	0.16	0:33:20	2,750.64	2,750.64	0.09
0:05:25	21,021.54	218.97	1.20	0:12:25	20,904.88	435.52	0.60	0:19:25	20,750.19	864.59	0.30	0:26:25	20,085.04	1,673.75	0.16	0:33:25	2,758.44	2,758.44	0.09
0:05:30	21,090.33	219.69	1.19	0:12:30	20,864.27	434.67	0.60	0:19:30	20,773.63	865.57	0.30	0:26:30	20,091.98	1,674.33	0.16	0:33:30	2,763.72	2,763.72	0.09
0:05:35	20,976.14	218.50	1.20	0:12:35	20,846.80	434.31	0.60	0:19:35	20,719.46	863.31	0.30	0:26:35	20,114.85	1,676.24	0.16	0:33:35	2,755.65	2,755.65	0.09
0:05:40	21,021.62	218.98	1.19	0:12:40	20,752.95	432.35	0.60	0:19:40	20,759.37	864.97	0.30	0:26:40	20,082.14	1,673.51	0.16	0:33:40	2,758.76	2,758.76	0.09
0:05:45	21,026.13	219.02	1.20	0:12:45	20,895.52	435.32	0.60	0:19:45	20,810.94	867.12	0.30	0:26:45	20,160.76	1,680.06	0.16	0:33:45	2,763.96	2,763.96	0.09
0:05:50	21,035.16	219.12	1.20	0:12:50	20,887.15	435.15	0.60	0:19:50	20,761.09	865.05	0.30	0:26:50	20,202.19	1,683.52	0.15	0:33:50	2,754.35	2,754.35	0.09
0:05:55	21,077.49	219.56	1.19	0:12:55	20,848.86	434.35	0.60	0:19:55	20,693.48	862.23	0.30	0:26:55	20,140.78	1,678.40	0.16	0:33:55	2,761.62	2,761.62	0.09
0:06:00	20,992.41	218.67	1.20	0:13:00	20,991.61	437.33	0.60	0:20:00	20,777.03	865.71	0.30	0:27:00	20,122.53	1,676.88	0.16	0:34:00	2,757.99	2,757.99	0.09

Large Database Query - 64KiB with 4 I/Os per stream

Test Run Sequence = Run-Out & Ramp-Down Intervals

TR11	96 Streams			TR12	48 Streams			TR13	24 Streams			TR14	12 Streams			TR15	1 Stream		
Test Run Sequence Time	Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms	Test Run Sequence Time	Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms	Test Run Sequence Time	Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms	Test Run Sequence Time	Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms	Test Run Sequence Time	Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms
0:06:05	21,044.12	219.21	1.20	0:13:05	20,881.13	435.02	0.60	0:20:05	20,798.09	866.59	0.30	0:27:05	19,942.50	1,661.87	0.16	0:34:05	2,769.40	2,769.40	0.09
0:06:10	21,058.80	219.36	1.19	0:13:10	20,931.87	436.08	0.60	0:20:10	20,751.24	864.63	0.30	0:27:10	20,138.59	1,678.22	0.16	0:34:10	2,760.37	2,760.37	0.09
0:06:15	21,062.49	219.40	1.19	0:13:15	20,935.09	436.15	0.60	0:20:15	20,732.38	863.85	0.30	0:27:15	20,147.96	1,679.00	0.16	0:34:15	2,763.67	2,763.67	0.09
0:06:20	21,046.34	219.23	1.20	0:13:20	20,938.51	436.22	0.60	0:20:20	20,687.17	861.97	0.30	0:27:20	20,182.76	1,681.90	0.15	0:34:20	2,759.42	2,759.42	0.09
0:06:25	20,962.73	218.36	1.20	0:13:25	20,948.29	436.42	0.60	0:20:25	20,725.15	863.55	0.30	0:27:25	20,170.09	1,680.84	0.15	0:34:25	2,771.26	2,771.26	0.09
0:06:30	21,006.80	218.82	1.20	0:13:30	20,891.93	435.25	0.60	0:20:30	20,738.44	864.10	0.30	0:27:30	20,131.18	1,677.60	0.16	0:34:30	2,766.96	2,766.96	0.09
0:06:35	21,024.14	219.00	1.20	0:13:35	20,875.15	434.90	0.60	0:20:35	20,774.93	865.62	0.30	0:27:35	20,115.20	1,676.27	0.16	0:34:35	2,758.65	2,758.65	0.09
0:06:40	20,994.36	218.69	1.20	0:13:40	20,843.87	434.25	0.60	0:20:40	20,382.79	849.28	0.31	0:27:40	20,114.20	1,676.18	0.16	0:34:40	2,755.14	2,755.14	0.09
0:06:45	459.58	0.00	1.33	0:13:45	471.49	0.00	0.60	0:20:45	443.74	0.00	0.30	0:27:45	406.09	0.00	0.16	0:34:45	47.67	0.00	0.10
0:06:50	0.00	0.00	0.00	0:13:50	0.00	0.00	0.00	0:20:50	0.00	0.00	0.00	0:27:50	0.00	0.00	0.00	0:34:50	0.00	0.00	0.00
0:06:55	0.00	0.00	0.00	0:13:55	0.00	0.00	0.00	0:20:55	0.00	0.00	0.00	0:27:55	0.00	0.00	0.00	0:34:55	0.00	0.00	0.00