

Large Database Query - 1024KiB with 4 I/Os per stream

Test Run Sequence - Ramp-Up Interval

TR1	96 Streams			TR2	48 Streams			TR3	24 Streams			TR4	12 Streams			TR5	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	9,573.08	1,063.68	2.26	0:07:00	3,934.68	3,934.68	1.04	0:14:00	3,933.21	3,933.21	1.05	0:21:00	8,164.00	2,721.33	1.21	0:28:00	3,927.13	3,927.13	1.05
0:00:05	10,007.19	588.66	5.05	0:07:05	9,458.16	1,576.36	1.57	0:14:05	7,553.10	2,517.70	1.21	0:21:05	11,110.92	2,222.18	1.82	0:28:05	4,000.74	4,000.74	1.05
0:00:10	9,997.33	399.89	8.57	0:07:10	10,077.03	916.09	3.84	0:14:10	9,749.66	1,624.94	1.74	0:21:10	11,152.03	2,230.41	1.88	0:28:10	3,992.56	3,992.56	1.05
0:00:15	11,035.84	380.55	10.20	0:07:15	10,155.46	725.39	4.71	0:14:15	10,609.49	1,326.19	2.78	0:21:15	11,814.93	1,687.85	1.96	0:28:15	3,999.69	3,999.69	1.05
0:00:20	11,252.90	330.97	11.62	0:07:20	11,212.42	700.78	5.44	0:14:20	11,247.45	1,249.72	3.35	0:21:20	14,480.83	1,810.10	2.12	0:28:20	3,995.28	3,995.28	1.05
0:00:25	11,246.40	274.30	13.92	0:07:25	11,284.57	564.23	6.67	0:14:25	11,261.92	1,023.81	3.76	0:21:25	16,957.78	1,884.20	2.16	0:28:25	3,999.48	3,999.48	1.05
0:00:30	11,235.07	239.04	16.49	0:07:30	11,252.69	468.86	7.94	0:14:30	11,283.10	940.26	4.13	0:21:30	17,373.44	1,930.38	2.17	0:28:30	3,999.48	3,999.48	1.05
0:00:35	13,730.05	249.64	15.67	0:07:35	14,208.00	458.32	8.27	0:14:35	11,854.36	846.74	4.39	0:21:35	17,413.07	1,934.79	2.17	0:28:35	3,998.22	3,998.22	1.05
0:00:40	17,211.33	277.60	14.35	0:07:40	16,789.38	541.59	7.75	0:14:40	14,403.03	960.20	4.20	0:21:40	17,645.86	1,764.59	2.17	0:28:40	3,998.43	3,998.43	1.05
0:00:45	18,279.20	268.81	14.86	0:07:45	16,899.90	512.12	7.86	0:14:45	15,075.59	1,005.04	4.17	0:21:45	19,679.88	1,967.99	2.13	0:28:45	4,002.83	4,002.83	1.05
0:00:50	18,155.88	255.72	16.19	0:07:50	17,964.41	499.01	8.06	0:14:50	16,087.88	1,005.49	4.16	0:21:50	20,616.05	1,874.19	2.23	0:28:50	3,998.43	3,998.43	1.05
0:00:55	19,376.01	254.95	16.09	0:07:55	19,171.32	491.57	8.17	0:14:55	17,147.15	902.48	4.15	0:21:55	20,572.64	1,870.24	2.24	0:28:55	4,000.32	4,000.32	1.05
0:01:00	20,613.54	260.93	15.76	0:08:00	20,432.76	498.36	8.33	0:15:00	19,356.92	967.85	4.12	0:22:00	20,610.81	1,717.57	2.26	0:29:00	4,001.79	4,001.79	1.05
0:01:05	20,940.90	252.30	16.15	0:08:05	20,723.85	493.42	8.47	0:15:05	20,250.52	964.31	4.17	0:22:05	20,869.39	1,739.12	2.41	0:29:05	4,003.04	4,003.04	1.05
0:01:10	21,001.09	235.97	17.19	0:08:10	20,963.76	465.86	8.80	0:15:10	20,846.53	947.57	4.33	0:22:10	20,883.23	1,740.27	2.41	0:29:10	4,002.62	4,002.62	1.05
0:01:15	21,139.92	232.31	17.87	0:08:15	21,080.15	468.45	8.95	0:15:15	20,973.83	911.91	4.41	0:22:15	20,914.48	1,742.87	2.41	0:29:15	4,002.20	4,002.20	1.05
0:01:20	21,018.92	228.47	18.20	0:08:20	21,147.05	449.94	9.06	0:15:20	21,138.66	880.78	4.72	0:22:20	20,883.65	1,740.30	2.41	0:29:20	3,998.01	3,998.01	1.05
0:01:25	21,119.79	220.00	18.70	0:08:25	21,130.27	440.21	9.45	0:15:25	21,164.25	881.84	4.75	0:22:25	20,871.70	1,739.31	2.41	0:29:25	4,002.00	4,002.00	1.05
0:01:30	21,148.94	220.30	19.02	0:08:30	21,168.44	441.01	9.51	0:15:30	21,098.61	879.11	4.77	0:22:30	20,880.71	1,740.06	2.41	0:29:30	3,995.70	3,995.70	1.05
0:01:35	21,147.05	220.28	19.05	0:08:35	21,126.29	440.13	9.52	0:15:35	21,130.48	880.44	4.77	0:22:35	20,931.67	1,744.31	2.40	0:29:35	4,000.95	4,000.95	1.05
0:01:40	21,034.85	219.11	19.12	0:08:40	21,157.54	440.78	9.52	0:15:40	21,121.26	880.05	4.76	0:22:40	20,820.32	1,735.03	2.42	0:29:40	3,998.43	3,998.43	1.05
0:01:45	21,090.43	219.69	19.09	0:08:45	21,090.43	439.38	9.54	0:15:45	21,132.58	880.52	4.76	0:22:45	20,918.67	1,743.22	2.41	0:29:45	4,003.04	4,003.04	1.05
0:01:50	21,133.63	220.14	19.06	0:08:50	21,125.45	440.11	9.52	0:15:50	21,121.68	880.07	4.77	0:22:50	20,860.79	1,738.40	2.41	0:29:50	4,002.00	4,002.00	1.05
0:01:55	21,151.88	220.33	19.02	0:08:55	21,116.85	439.93	9.55	0:15:55	21,083.09	878.46	4.77	0:22:55	20,894.34	1,741.20	2.41	0:29:55	4,001.37	4,001.37	1.05
0:02:00	21,128.81	220.09	19.06	0:09:00	21,083.93	439.25	9.55	0:16:00	21,081.41	878.39	4.77	0:23:00	20,884.70	1,740.39	2.41	0:30:00	4,002.41	4,002.41	1.05
0:02:05	21,049.32	219.26	19.13	0:09:05	21,143.07	440.48	9.52	0:16:05	21,101.96	879.25	4.77	0:23:05	20,879.04	1,739.92	2.41	0:30:05	4,004.09	4,004.09	1.05
0:02:10	21,034.85	219.11	19.11	0:09:10	21,169.07	441.02	9.51	0:16:10	21,182.28	882.60	4.75	0:23:10	20,816.33	1,734.69	2.41	0:30:10	3,995.28	3,995.28	1.05
0:02:15	21,032.13	219.08	19.15	0:09:15	21,090.01	439.38	9.55	0:16:15	21,072.18	878.01	4.77	0:23:15	20,896.02	1,741.34	2.41	0:30:15	4,002.41	4,002.41	1.05
0:02:20	21,107.42	219.87	19.09	0:09:20	21,088.12	439.34	9.54	0:16:20	21,105.11	879.38	4.77	0:23:20	20,827.24	1,735.60	2.42	0:30:20	4,003.04	4,003.04	1.05
0:02:25	21,170.96	220.53	19.04	0:09:25	21,100.91	439.60	9.54	0:16:25	21,118.32	879.93	4.77	0:23:25	20,865.40	1,738.78	2.41	0:30:25	3,998.85	3,998.85	1.05
0:02:30	21,149.99	220.31	19.03	0:09:30	21,133.63	440.28	9.53	0:16:30	21,134.47	880.60	4.75	0:23:30	20,793.05	1,732.75	2.42	0:30:30	4,000.53	4,000.53	1.05
0:02:35	21,117.90	219.98	19.06	0:09:35	21,120.21	440.00	9.53	0:16:35	21,175.99	882.33	4.76	0:23:35	20,918.88	1,743.24	2.41	0:30:35	3,997.38	3,997.38	1.05
0:02:40	21,104.06	219.83	19.08	0:09:40	21,125.66	440.12	9.53	0:16:40	21,149.78	881.24	4.76	0:23:40	20,842.13	1,736.84	2.41	0:30:40	3,997.38	3,997.38	1.05
0:02:45	21,102.80	219.82	19.07	0:09:45	21,140.97	440.44	9.53	0:16:45	21,144.53	881.02	4.76	0:23:45	20,878.41	1,739.87	2.41	0:30:45	4,002.62	4,002.62	1.05
0:02:50	21,022.48	218.98	19.17	0:09:50	21,150.20	440.63	9.52	0:16:50	21,127.97	880.33	4.76	0:23:50	20,848.84	1,737.40	2.41	0:30:50	3,999.69	3,999.69	1.05
0:02:55	21,166.14	220.48	19.00	0:09:55	21,092.95	439.44	9.53	0:16:55	21,117.48	879.90	4.77	0:23:55	20,816.75	1,734.73	2.41	0:30:55	3,995.91	3,995.91	1.05

Large Database Query - 1024KiB with 4 I/Os per stream

Test Run Sequence = Measurement Interval

TR1				TR2				TR3				TR4				TR5			
96 Streams				48 Streams				24 Streams				12 Streams				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	21,091.69	219.71	19.09	0:10:00	21,103.01	439.65	9.54	0:17:00	21,074.28	878.10	4.77	0:24:00	20,853.24	1,737.77	2.41	0:31:00	4,002.00	4,002.00	1.05
0:03:05	21,020.80	218.97	19.16	0:10:05	21,049.32	438.53	9.57	0:17:05	21,153.97	881.42	4.76	0:24:05	20,961.87	1,746.82	2.40	0:31:05	4,000.11	4,000.11	1.05
0:03:10	21,091.90	219.71	19.09	0:10:10	21,088.96	439.35	9.54	0:17:10	21,154.39	881.43	4.76	0:24:10	20,871.28	1,739.27	2.41	0:31:10	3,996.12	3,996.12	1.05
0:03:15	21,125.45	220.06	19.07	0:10:15	21,174.73	441.14	9.51	0:17:15	21,103.85	879.33	4.77	0:24:15	20,833.11	1,736.09	2.41	0:31:15	4,004.30	4,004.30	1.05
0:03:20	21,081.62	219.60	19.09	0:10:20	21,108.25	439.76	9.54	0:17:20	21,062.12	877.59	4.78	0:24:20	20,826.82	1,735.57	2.42	0:31:20	4,002.83	4,002.83	1.05
0:03:25	21,142.65	220.24	19.05	0:10:25	21,108.67	439.76	9.54	0:17:25	21,124.82	880.20	4.76	0:24:25	20,875.68	1,739.64	2.41	0:31:25	4,001.16	4,001.16	1.05
0:03:30	21,050.16	219.27	19.12	0:10:30	21,082.25	439.21	9.55	0:17:30	21,168.86	882.04	4.76	0:24:30	20,848.63	1,737.39	2.41	0:31:30	3,996.12	3,996.12	1.05
0:03:35	21,082.67	219.61	19.11	0:10:35	21,113.71	439.87	9.53	0:17:35	21,149.36	881.22	4.76	0:24:35	20,848.63	1,737.39	2.41	0:31:35	4,000.95	4,000.95	1.05
0:03:40	21,077.64	219.56	19.10	0:10:40	21,036.95	438.27	9.57	0:17:40	21,124.61	880.19	4.76	0:24:40	20,877.15	1,739.76	2.41	0:31:40	3,995.07	3,995.07	1.05
0:03:45	21,063.79	219.41	19.10	0:10:45	21,155.44	440.74	9.52	0:17:45	21,134.05	880.59	4.76	0:24:45	20,879.66	1,739.97	2.41	0:31:45	4,000.11	4,000.11	1.05
0:03:50	21,111.61	219.91	19.06	0:10:50	21,073.65	439.03	9.56	0:17:50	21,113.08	879.71	4.76	0:24:50	20,874.84	1,739.57	2.41	0:31:50	3,998.01	3,998.01	1.05
0:03:55	21,135.94	220.17	19.08	0:10:55	21,146.00	440.54	9.52	0:17:55	21,143.70	880.99	4.76	0:24:55	20,880.92	1,740.08	2.41	0:31:55	3,999.69	3,999.69	1.05
0:04:00	21,076.17	219.54	19.11	0:11:00	21,024.58	438.01	9.58	0:18:00	21,121.47	880.06	4.76	0:25:00	20,825.77	1,735.48	2.41	0:32:00	3,998.43	3,998.43	1.05
0:04:05	21,010.74	218.86	19.14	0:11:05	21,124.19	440.09	9.53	0:18:05	21,169.70	882.07	4.76	0:25:05	20,863.31	1,738.61	2.41	0:32:05	4,001.37	4,001.37	1.05
0:04:10	21,049.11	219.26	19.12	0:11:10	21,097.77	439.54	9.54	0:18:10	21,148.73	881.20	4.76	0:25:10	20,884.28	1,740.36	2.41	0:32:10	4,000.11	4,000.11	1.05
0:04:15	21,049.74	219.27	19.14	0:11:15	21,117.06	439.94	9.54	0:18:15	21,111.40	879.64	4.77	0:25:15	20,888.26	1,740.69	2.41	0:32:15	4,001.16	4,001.16	1.05
0:04:20	21,136.15	220.17	19.08	0:11:20	21,090.22	439.38	9.55	0:18:20	21,160.05	881.67	4.76	0:25:20	20,865.19	1,738.77	2.41	0:32:20	3,997.59	3,997.59	1.05
0:04:25	21,035.27	219.12	19.11	0:11:25	20,942.37	436.30	9.60	0:18:25	21,170.12	882.09	4.75	0:25:25	20,882.18	1,740.18	2.41	0:32:25	4,001.37	4,001.37	1.05
0:04:30	21,074.49	219.53	19.10	0:11:30	21,030.45	438.13	9.59	0:18:30	21,146.21	881.09	4.76	0:25:30	20,857.64	1,738.14	2.41	0:32:30	3,997.38	3,997.38	1.05
0:04:35	21,087.91	219.67	19.10	0:11:35	21,075.33	439.07	9.54	0:18:35	21,077.43	878.23	4.77	0:25:35	20,941.53	1,745.13	2.41	0:32:35	3,996.75	3,996.75	1.05
0:04:40	21,088.54	219.67	19.11	0:11:40	21,016.40	437.84	9.58	0:18:40	21,103.43	879.31	4.77	0:25:40	20,833.53	1,736.13	2.41	0:32:40	3,989.20	3,989.20	1.05
0:04:45	21,062.12	219.40	19.09	0:11:45	21,170.54	441.05	9.52	0:18:45	21,117.48	879.90	4.76	0:25:45	20,873.79	1,739.48	2.41	0:32:45	4,003.88	4,003.88	1.05
0:04:50	21,048.90	219.26	19.14	0:11:50	21,122.51	440.05	9.53	0:18:50	21,095.67	878.99	4.77	0:25:50	20,914.27	1,742.86	2.41	0:32:50	4,001.58	4,001.58	1.05
0:04:55	21,060.23	219.38	19.12	0:11:55	21,111.82	439.83	9.53	0:18:55	21,091.06	878.79	4.77	0:25:55	20,870.65	1,739.22	2.41	0:32:55	4,002.62	4,002.62	1.05
0:05:00	21,087.07	219.66	19.09	0:12:00	21,104.90	439.69	9.54	0:19:00	21,157.33	881.56	4.76	0:26:00	20,850.93	1,737.58	2.41	0:33:00	4,001.37	4,001.37	1.05
0:05:05	21,039.68	219.16	19.13	0:12:05	21,111.40	439.82	9.54	0:19:05	21,133.84	880.58	4.76	0:26:05	20,910.91	1,742.58	2.41	0:33:05	4,000.53	4,000.53	1.05
0:05:10	21,098.61	219.78	19.09	0:12:10	21,096.30	439.51	9.54	0:19:10	21,095.46	878.98	4.77	0:26:10	20,827.03	1,735.59	2.41	0:33:10	4,000.74	4,000.74	1.05
0:05:15	21,073.86	219.52	19.10	0:12:15	21,115.80	439.91	9.54	0:19:15	21,142.65	880.94	4.76	0:26:15	20,877.36	1,739.78	2.41	0:33:15	3,991.93	3,991.93	1.05
0:05:20	21,108.88	219.88	19.10	0:12:20	21,091.27	439.40	9.53	0:19:20	21,150.62	881.28	4.76	0:26:20	20,847.58	1,737.30	2.42	0:33:20	4,001.37	4,001.37	1.05
0:05:25	21,075.75	219.54	19.10	0:12:25	21,106.16	439.71	9.54	0:19:25	21,139.50	880.81	4.76	0:26:25	20,868.55	1,739.05	2.41	0:33:25	3,996.54	3,996.54	1.05
0:05:30	20,991.65	218.66	19.16	0:12:30	21,087.70	439.33	9.55	0:19:30	21,166.56	881.94	4.76	0:26:30	20,914.06	1,742.84	2.41	0:33:30	3,998.22	3,998.22	1.05
0:05:35	21,175.99	220.58	19.05	0:12:35	21,101.54	439.62	9.54	0:19:35	21,078.68	878.28	4.77	0:26:35	20,852.61	1,737.72	2.41	0:33:35	4,001.16	4,001.16	1.05
0:05:40	21,061.91	219.39	19.10	0:12:40	21,160.26	440.84	9.51	0:19:40	21,176.83	882.37	4.75	0:26:40	20,908.19	1,742.35	2.41	0:33:40	4,000.32	4,000.32	1.05
0:05:45	21,035.90	219.12	19.13	0:12:45	21,137.40	440.36	9.52	0:19:45	21,104.48	879.35	4.77	0:26:45	20,907.98	1,742.33	2.40	0:33:45	3,999.69	3,999.69	1.05
0:05:50	21,133.00	220.14	19.08	0:12:50	21,108.88	439.77	9.54	0:19:50	21,104.90	879.37	4.77	0:26:50	20,880.29	1,740.02	2.41	0:33:50	4,000.53	4,000.53	1.05
0:05:55	21,167.60	220.50	19.01	0:12:55	21,119.16	439.98	9.52	0:19:55	21,116.64	879.86	4.77	0:26:55	20,898.33	1,741.53	2.41	0:33:55	3,996.54	3,996.54	1.05
0:06:00	21,040.73	219.17	19.12	0:13:00	21,131.53	440.24	9.53	0:20:00	21,077.22	878.22	4.77	0:27:00	20,881.55	1,740.13	2.41	0:34:00	3,998.64	3,998.64	1.05

Large Database Query - 1024KiB with 4 I/Os per stream

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

TR1	96 Streams			TR2	48 Streams			TR3	24 Streams			TR4	12 Streams			TR5	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	21,038.84	219.15	19.14	0:13:05	21,124.82	440.10	9.54	0:20:05	21,124.82	880.20	4.77	0:27:05	20,879.45	1,739.95	2.41	0:34:05	4,000.11	4,000.11	1.05
0:06:10	21,150.83	220.32	19.05	0:13:10	21,087.28	439.32	9.54	0:20:10	21,169.28	882.05	4.76	0:27:10	20,880.29	1,740.02	2.41	0:34:10	4,003.04	4,003.04	1.05
0:06:15	21,132.79	220.13	19.05	0:13:15	21,044.92	438.44	9.56	0:20:15	21,097.77	879.07	4.77	0:27:15	20,835.21	1,736.27	2.41	0:34:15	4,003.25	4,003.25	1.05
0:06:20	21,052.68	219.30	19.11	0:13:20	21,128.39	440.17	9.54	0:20:20	21,127.76	880.32	4.76	0:27:20	20,891.20	1,740.93	2.41	0:34:20	4,004.09	4,004.09	1.05
0:06:25	21,108.25	219.88	19.09	0:13:25	21,072.39	439.01	9.55	0:20:25	21,050.58	877.11	4.78	0:27:25	20,927.90	1,743.99	2.41	0:34:25	3,995.07	3,995.07	1.05
0:06:30	21,120.63	220.01	19.05	0:13:30	21,172.01	441.08	9.52	0:20:30	21,180.40	882.52	4.75	0:27:30	20,843.59	1,736.97	2.41	0:34:30	3,998.22	3,998.22	1.05
0:06:35	21,108.88	219.88	19.06	0:13:35	21,058.13	438.71	9.55	0:20:35	21,167.60	881.98	4.76	0:27:35	20,886.80	1,740.57	2.41	0:34:35	4,004.09	4,004.09	1.05
0:06:40	21,070.72	219.49	19.13	0:13:40	21,028.98	438.10	9.58	0:20:40	21,207.66	883.65	4.75	0:27:40	20,895.60	1,741.30	2.41	0:34:40	3,998.22	3,998.22	1.05
0:06:45	573.99	0.00	21.34	0:13:45	533.52	0.00	9.80	0:20:45	494.09	0.00	4.67	0:27:45	473.12	0.00	2.39	0:34:45	74.87	0.00	1.05
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