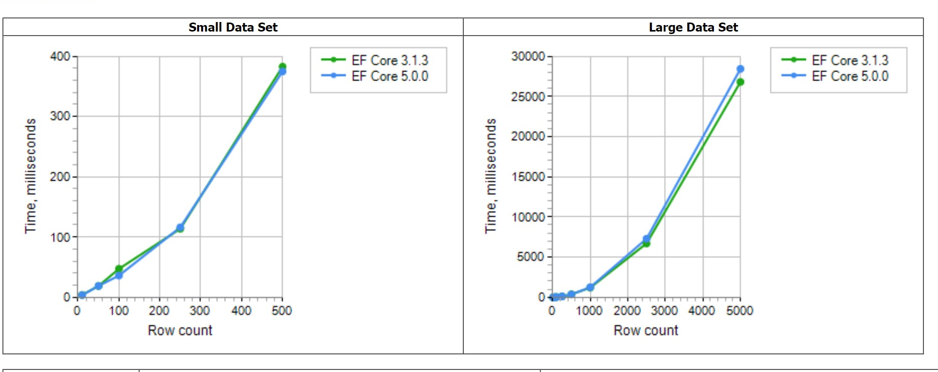
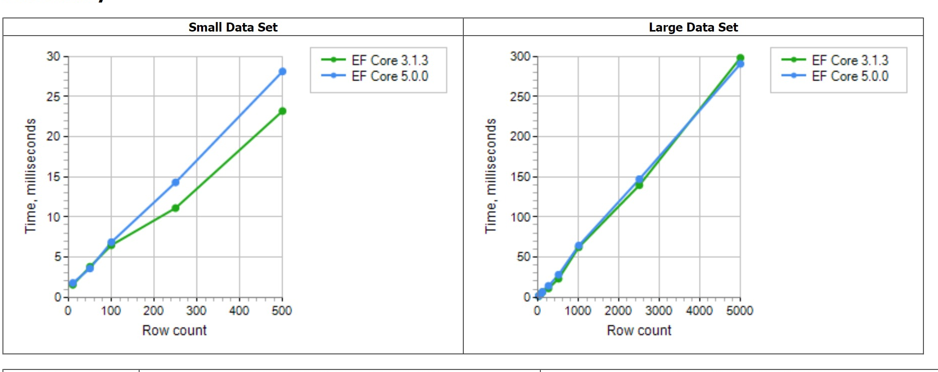
InsertOne



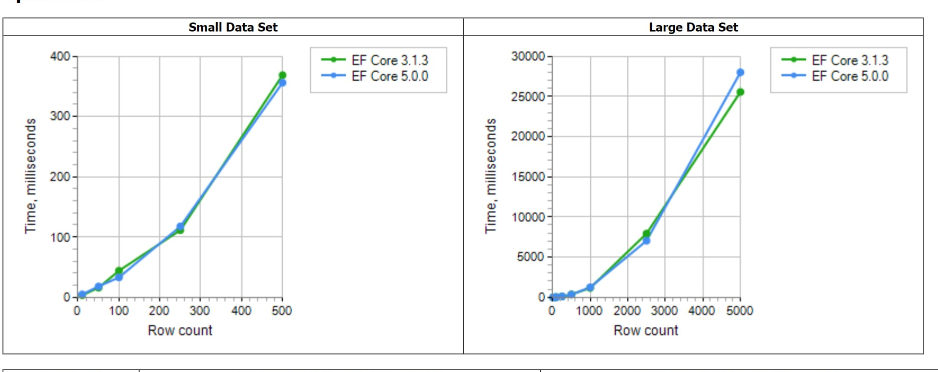
Row Count	EF Core 3.1.3 Time (milliseconds)	EF Core 5.0.0 Time (milliseconds)
10	4.1373	3.8231
50	18.9844	19.0095
100	47.4231	36.2343
250	113.8943	116.3117
500	382.8194	374.8372
1000	1202.6624	1258.9591
2500	6713.7254	7293.7672
5000	26812.5265	28439.3288

InsertMany



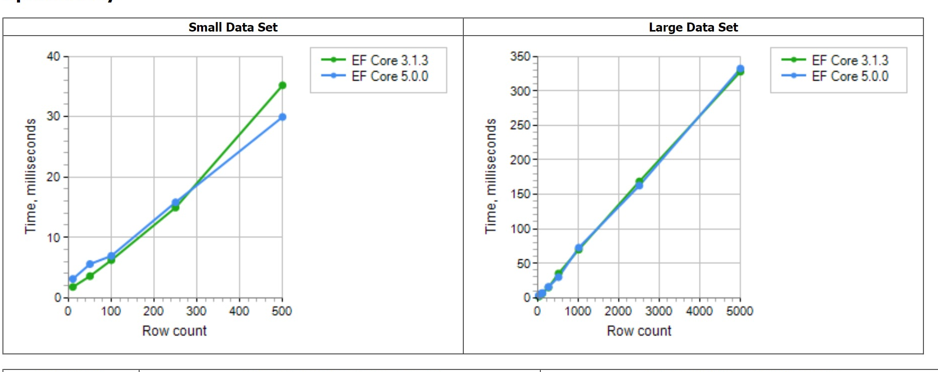
Row Count	EF Core 3.1.3 Time (milliseconds)	EF Core 5.0.0 Time (milliseconds)
10	1.5605	1.7945
50	3.8141	3.6008
100	6.4938	6.8665
250	11.1168	14.311
500	23.1894	28.1136
1000	62.3628	64.5185
2500	139.6213	147.1174
5000	298.0177	290.6092

UpdateOne



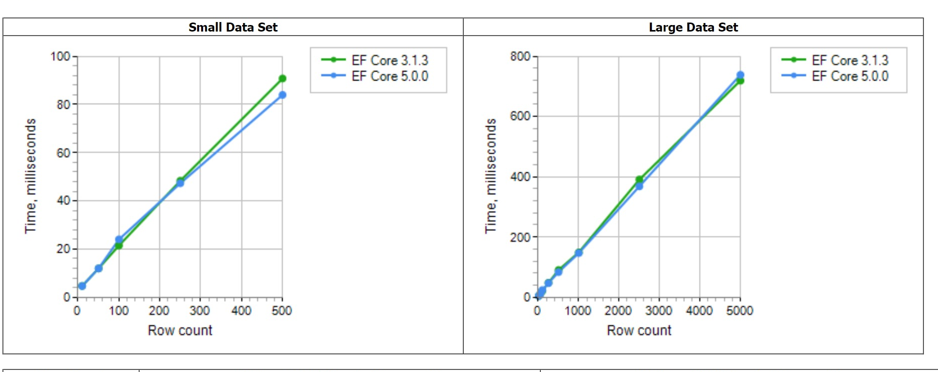
Row Count	EF Core 3.1.3 Time (milliseconds)	EF Core 5.0.0 Time (milliseconds)
10	3.5118	5.0171
50	16.0587	18.1774
100	44.3063	33.215
250	111.5127	117.7372
500	368.7325	356.2081
1000	1172.3935	1256.3335
2500	7938.3235	7049.6837
5000	25557.8169	28003.5891

UpdateMany



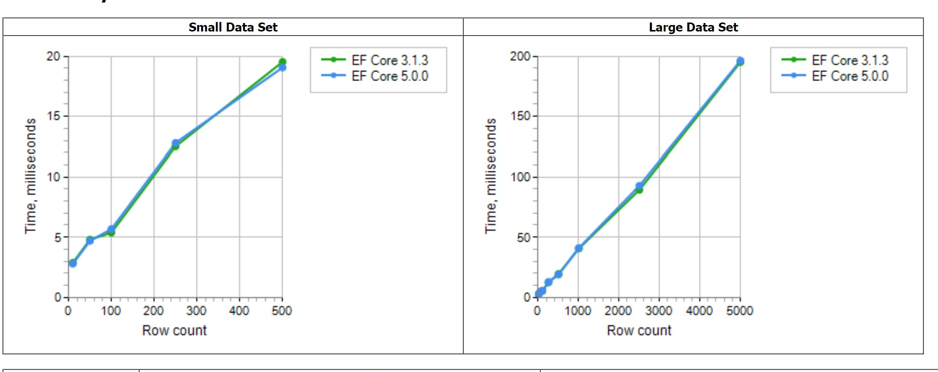
Row Count	EF Core 3.1.3 Time (milliseconds)	EF Core 5.0.0 Time (milliseconds)
10	1.7905	3.1197
50	3.5862	5.5869
100	6.2335	6.9422
250	14.9466	15.8169
500	35.1984	29.9576
1000	69.8358	72.6158
2500	168.6338	162.6633
5000	327.7459	332.3546

DeleteOne



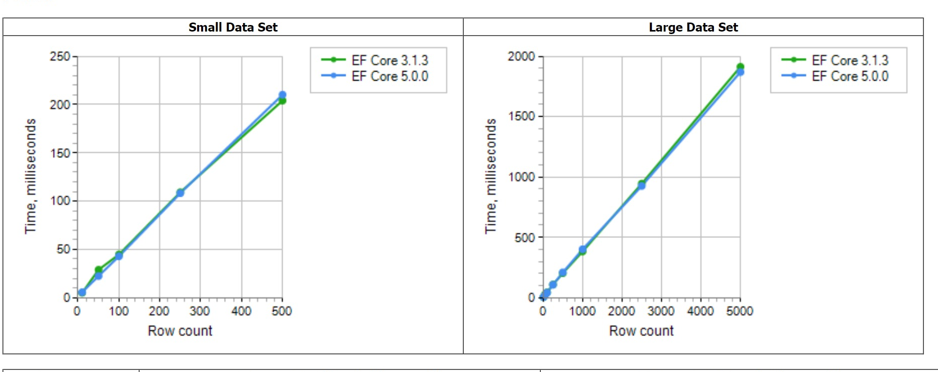
Row Count	EF Core 3.1.3 Time (milliseconds)	EF Core 5.0.0 Time (milliseconds)
10	4.7761	4.7097
50	11.9864	12.006
100	21.5125	24.0623
250	48.3694	47.3362
500	90.8097	83.9917
1000	149.2153	147.0844
2500	391.0681	368.5576
5000	719.2429	738.4996

DeleteMany



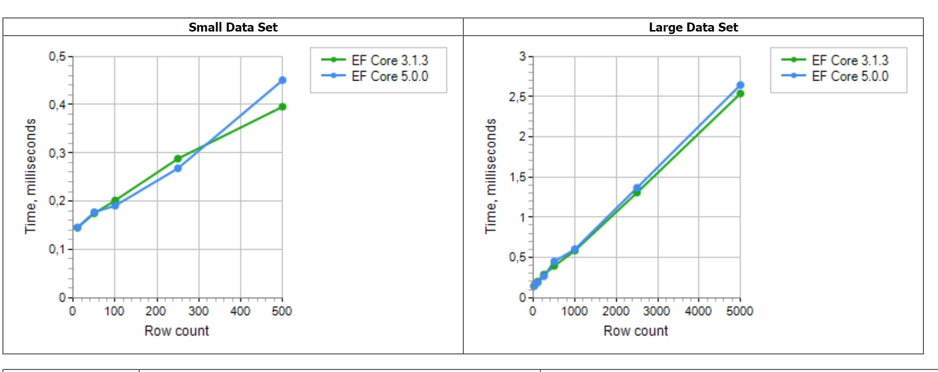
Row Count	EF Core 3.1.3 Time (milliseconds)	EF Core 5.0.0 Time (milliseconds)
10	2.8851	2.8036
50	4.8087	4.7054
100	5.3865	5.6839
250	12.5152	12.8032
500	19.5309	19.062
1000	40.6254	40.9862
2500	89.3952	92.7968
5000	195.1304	196.3254

Fetch



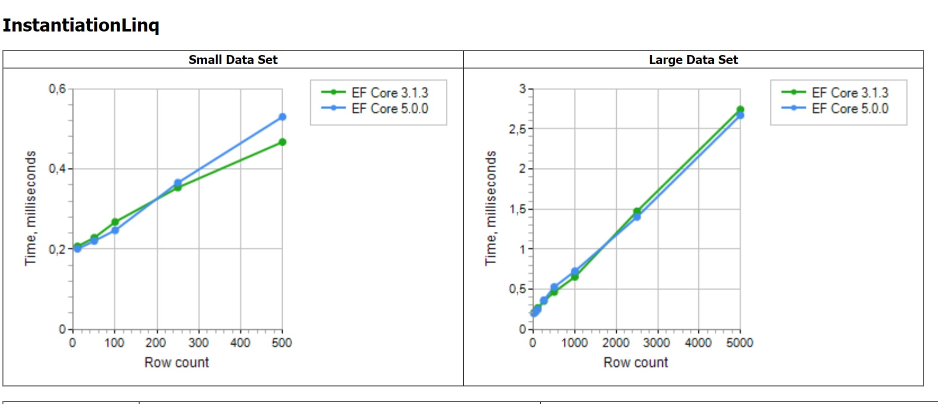
Row Count	EF Core 3.1.3 Time (milliseconds)	EF Core 5.0.0 Time (milliseconds)
10	5.2169	5.7157
50	29.0257	22.5379
100	44.8321	42.9984
250	109.2354	108.3178
500	204.1704	210.2871
1000	383.6987	401.71
2500	945.3549	926.5433
5000	1913.2051	1869.8794

InstantiationNative



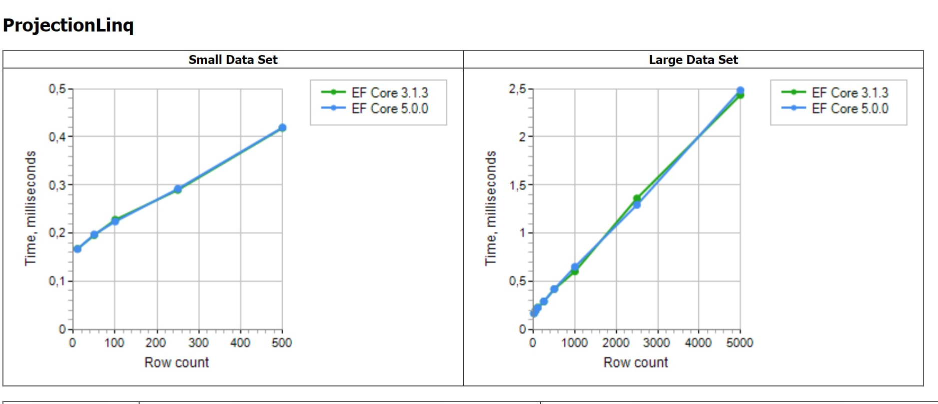
Row Count	EF Core 3.1.3 Time (milliseconds)	EF Core 5.0.0 Time (milliseconds)
10	0.1451	0.1456
50	0.1748	0.1773
100	0.2015	0.1906
250	0.2881	0.2681
500	0.3956	0.4506
1000	0.5871	0.6041
2500	1.3062	1.367
5000	2.5376	2.6437

InstantiationLinq



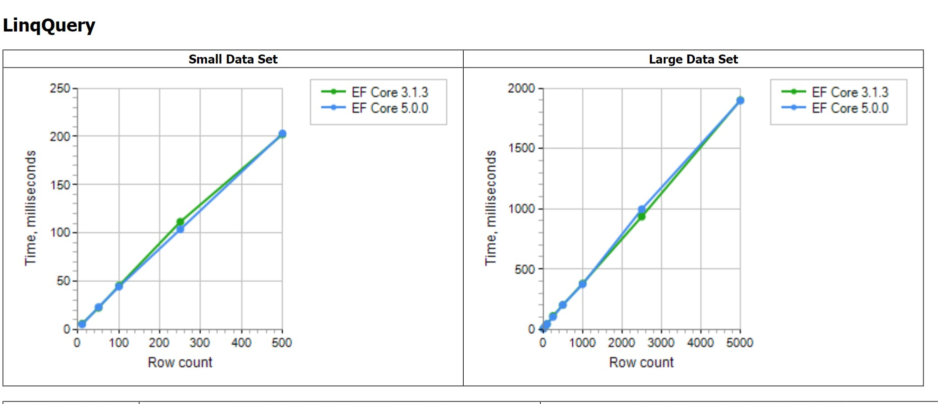
Row Count	EF Core 3.1.3 Time (milliseconds)	EF Core 5.0.0 Time (milliseconds)
10	0.2071	0.201
50	0.2286	0.2205
100	0.2679	0.2471
250	0.3537	0.3658
500	0.4672	0.53
1000	0.6564	0.7265
2500	1.472	1.4017
5000	2.7408	2.6692

ProjectionLinq



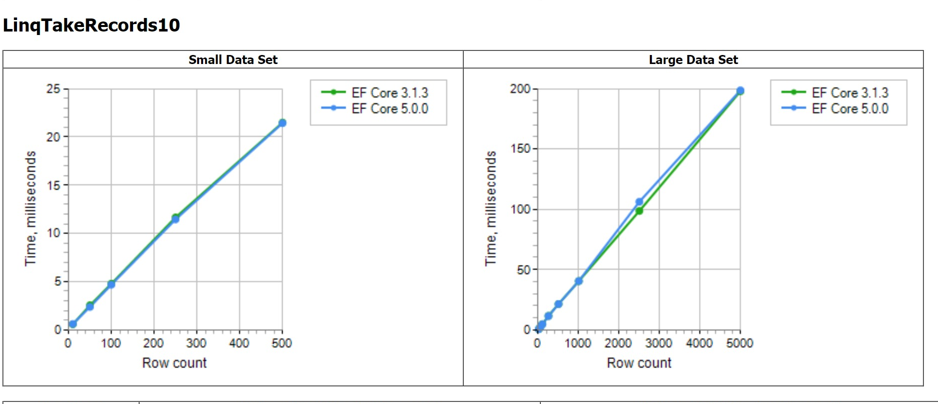
Row Count	EF Core 3.1.3 Time (milliseconds)	EF Core 5.0.0 Time (milliseconds)
10	0.1674	0.167
50	0.1959	0.1974
100	0.2278	0.2242
250	0.2898	0.2922
500	0.4185	0.4195
1000	0.6028	0.6503
2500	1.3613	1.294
5000	2.4347	2.484

LinqQuery



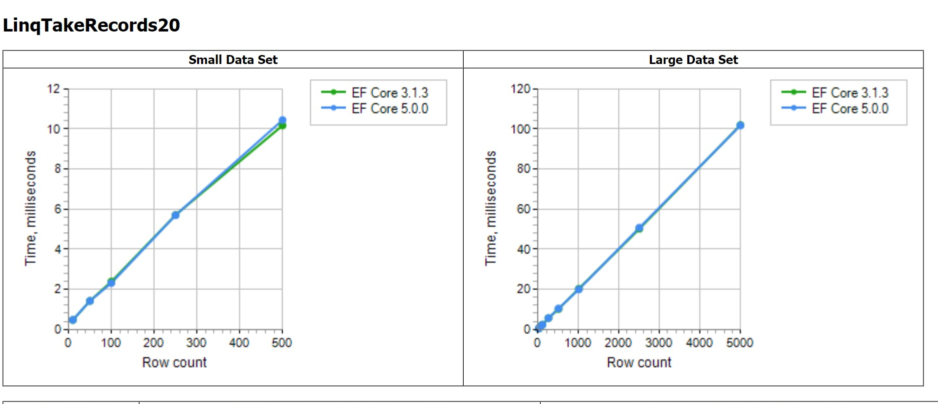
Row Count	EF Core 3.1.3 Time (milliseconds)	EF Core 5.0.0 Time (milliseconds)
10	5.9794	5.2261
50	22.3805	23.0853
100	45.3663	44.2838
250	111.5531	103.7457
500	202.1947	203.1218
1000	380.2652	374.1233
2500	935.495	996.7439
5000	1901.4805	1897.7571

LinqTakeRecords10



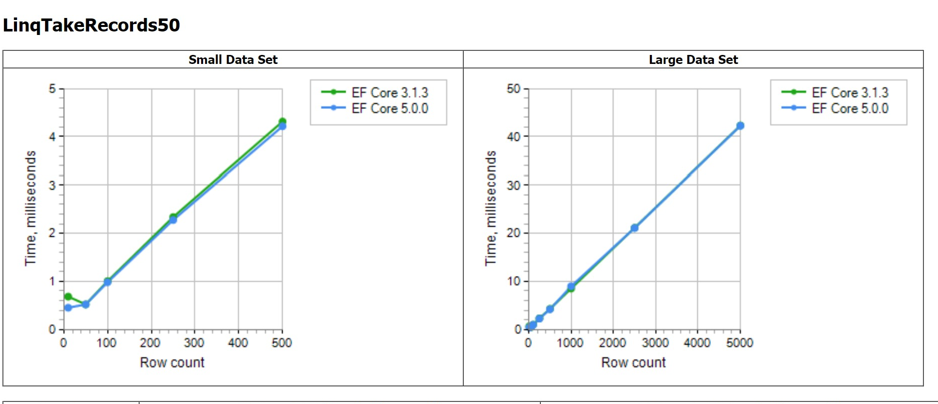
Row Count	EF Core 3.1.3 Time (milliseconds)	EF Core 5.0.0 Time (milliseconds)
10	0.5846	0.6125
50	2.5564	2.3817
100	4.7875	4.6869
250	11.6629	11.4538
500	21.5	21.4345
1000	40.4499	40.5019
2500	98.6545	106.2578
5000	197.9668	198.697

LinqTakeRecords20



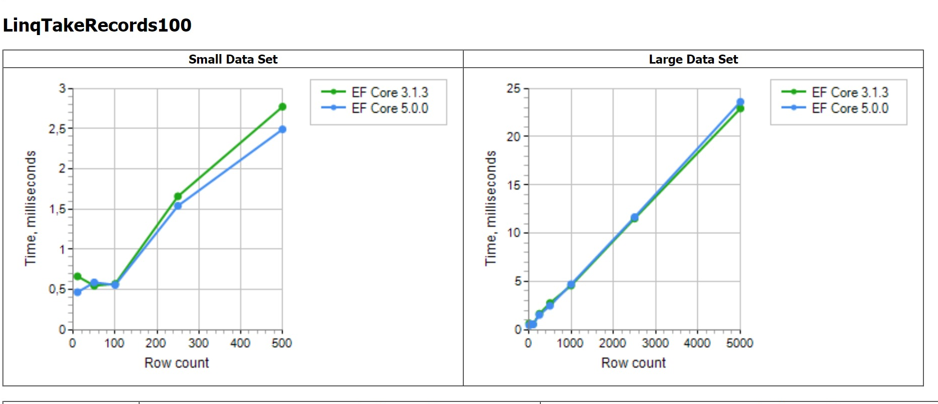
Row Count	EF Core 3.1.3 Time (milliseconds)	EF Core 5.0.0 Time (milliseconds)
10	0.4706	0.4774
50	1.4229	1.4239
100	2.3906	2.3148
250	5.7072	5.6962
500	10.1691	10.439
1000	20.2815	19.9809
2500	50.1517	50.7106
5000	101.8778	101.7059

LinqTakeRecords50



Row Count	EF Core 3.1.3 Time (milliseconds)	EF Core 5.0.0 Time (milliseconds)
10	0.6853	0.4545
50	0.5232	0.5231
100	1.0069	0.9835
250	2.3402	2.2788
500	4.3157	4.2176
1000	8.531	8.9935
2500	21.1708	21.1173
5000	42.3307	42.2834

LinqTakeRecords100



Row Count	EF Core 3.1.3 Time (milliseconds)	EF Core 5.0.0 Time (milliseconds)
10	0.6638	0.4668
50	0.5474	0.5884
100	0.5707	0.5574
250	1.6582	1.5405
500	2.7719	2.4911
1000	4.5856	4.7171
2500	11.5211	11.6688
5000	22.9208	23.6032