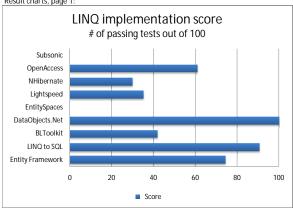
ORMBattle.NET test results

Visit http:/	ormbattle.net	for details

											LINQ imple	mentation
				SOL		DataObjects. Net						
		Maximum SqlClient		INO to SOL	BLToolkit	ta0b				OpenAccess		
Test name LINQ implementation	Ξ	Š 5	ᇤ	<u> </u>	<u> </u>	\Box	ᇤ	<u> </u>	支	Ö	S	Unit
Aggregates	0	5 n/a	0	0	4	0	n/a	3	3	2	n/a	f,a
All/Any/Contains	0	6 n/a	3	1	6	0	n/a	6	4,2	4	n/a	f,a
Complex	0	6 n/a	1	0	6	0	n/a	6	6	5	n/a	f,a
Element operations	0	9 n/a	4	2	6	0	n/a	6	6	5	n/a	f,a
Filtering	0	12 n/a	4,2	2,2	1	0	n/a	5,5	6,1	2	n/a	f,a
Grouping	0	10 n/a	1	1	6	0	n/a	10	10,2	5	n/a	f,a
Join Ordering	0	4 n/a 8 n/a	1 3,2	0 2	1	0	n/a n/a	5,1	6	2	n/a n/a	f,a f,a
Projections	0	13 n/a	2	1	8	0	n/a	9,2	6,1	3	n/a	f,a
References	0	4 n/a	0	0	4	0	n/a	4	3	1	n/a	f,a
Set operations	0	9 n/a	0	0	5,1	0	n/a	5,1	6,2	4,1	n/a	f,a
Standard functions	0	21 n/a	9	1	13	0	n/a	8	16	6,1	n/a	f,a
Take/Skip	0	5 n/a	1	0	1	0	n/a	2,1	2,1	2	n/a	f,a
Type casts	0	5 n/a	1	1	3	0	n/a	3,1	4	2	n/a	f,a
LINO Implementation totals												
LINQ Implementation total: Performed	0	117 n/a	117	117	117	117	n/a	117	117	117	n/a	#
Passed			87	106	49	117	n/a	41	35	71	n/a	#
Failed			30	11	68	0	n/a	76	82	46	n/a	#
Properly		117 n/a	26	9	67	0	n/a	65	73	44	n/a	#
Asserted	0	117 n/a	4	2	1	0	n/a	11	9	2	n/a	#
Score	0	100 n/a	74,4	90,6	41,9	100	n/a	35	29,9	60,7	n/a	%
Color bar						V	Worst result					Best result
Units:												
f/a	total c	ount of failed tests	L. count of te	sts failed wi	th assertion	1. less is bett	er (0 is ideal)					
#	count	June of Tunou Costs	[/ count of to	oto ranoa wi	arrassor tron	11,1000 10 2011	01 (0101000)					
%		ntage (% of passed	tests), more i	s better								
												sequence
						DataObjects.Net						
				So								
		Maximum SqlClient		LINO to SOI		ğ				OpenAccess		
Test name					BLToolkit					o be		L
CRUD Performance:												
Fetch	0	18 738	4634	9280	13001	9433	7952	10444	7289	6611	8765	op/s
Single Operation:												
Create Instance	0	10 688	4566	3670	11832	7441	2292	4851	3741	9848	4167	op/s
Update Instance Remove Instance	0	15 379 16 281	3898 5955	1493 1670	11507 12047	9948 10785	1681 2646	4955 4776	871 1440	9609 10936	4099 4354	op/s
CUD Average	0	13 635	4641	1942	11777	9147	2128	4859	1421	9959	4105	op/s op/s
Multiple Operations:	U	13 033	4041	1742	11///	7147	2120	4037	1421	7737	4103	Ор/ 3
Create Instance	0	21 779	7915	4879	22748	14988	5463	12649	20587	10197	4010	op/s
Update Instance	0	64 662	6199	1687	64451	33320	8808	27537	17259	15497	4154	op/s
Remove Instance	0	24 219	9365	1841	70514	42499		26199	18551	24022		
CUD Average		27217	7505	1841	79514	72777	12084	20199	18331	24022	4472	op/s
	0	29 219	6997	2232	41583	24729	12084 7880	19538	18623	14579	4472 4167	op/s op/s
	0											
Data Access Performance:	0											
Query:		29 219	6997	2232	41583	24729	7880	19538	18623	14579	4167	op/s
Query: LINQ Query	0	29 219 n/a	6997 450	2232	41583 8749	24729 1559	7880	19538	18623	14579 4168	4167 351	op/s queries/s
Query: LINQ Query Compiled LINQ Query	0	29 219 n/a n/a	450 6501	835 9114	8749 13222	24729 1559 8046	7880 933 2395	19538 1290 1290	18623 1156 1156	14579 4168 4269	351 351	op/s queries/s queries/s
Query: LINQ Query Compiled LINQ Query Native Query	0	29 219 n/a	6997 450	2232	41583 8749	24729 1559	7880	19538	18623	14579 4168	4167 351	op/s queries/s
Query: LINQ Query Compiled LINQ Query Native Query Paging (LINQ only):	0 0	29 219 n/a n/a 18745	450 6501	835 9114 9114	8749 13222	24729 1559 8046	7880 933 2395 8465	19538 1290 1290	18623 1156 1156	4168 4269 6590	351 351	op/s queries/s queries/s queries/s
Query: LINQ Query Compiled LINQ Query Native Query	0	29 219 n/a n/a	450 6501 9728	835 9114	8749 13222 17187	1559 8046 10335	7880 933 2395	19538 1290 1290 10424	18623 1156 1156 5494	14579 4168 4269	351 351 7312	op/s queries/s queries/s
Query: LINQ Query Compiled LINQ Query Native Query Paging (LINQ only): Get Small Page (10 items)	0 0 0	29 219 n/a n/a 18745 n/a	450 6501 9728	835 9114 9114 7736	8749 13222 17187	1559 8046 10335 6199	933 2395 8465	19538 1290 1290 10424 1105	1156 1156 5494	14579 4168 4269 6590 3458	351 351 7312 322 298 262	op/s queries/s queries/s queries/s
Query: LINQ Query Compiled LINQ Query Native Query Paging (LINQ only): Get Small Page (10 items) Get Average Page (20 items) Get Large Page (50 items) Get Huge Page (100 items)	0 0	29 219 n/a n/a 18745 n/a n/a	450 6501 9728 5009 4494	835 9114 9114 7736 7014	8749 13222 17187 10625 9009	24729 1559 8046 10335 6199 5051	933 2395 8465 2107 2312	19538 1290 1290 10424 1105 1175	1156 1156 5494 907 726	14579 4168 4269 6590 3458 3130	351 351 7312 322 298	queries/s queries/s queries/s pages/s pages/s
Query: LINQ Query Compiled LINQ Query Native Query Paging (LINQ only): Get Small Page (10 items) Get Average Page (20 items) Get Large Page (50 items) Get Huge Page (100 items) Materialization:	0 0 0 0	n/a n/a 18745 n/a n/a n/a	450 6501 9728 5009 4494 3445 2493	835 9114 9114 7736 7014 5551 4108	8749 13222 17187 10625 9009 6132 4732	1559 8046 10335 6199 5051 3410 2236	7880 933 2395 8465 2107 2312 1988 1649	1290 1290 10424 1105 1175 1043 892	1156 1156 5494 907 726 564 369	14579 4168 4269 6590 3458 3130 2447 1803	351 351 7312 322 298 262 208	queries/s queries/s queries/s queries/s pages/s pages/s pages/s
Ouery: LINO Query Compiled LINO Query Native Query Paging (LINO only): Get Small Page (10 items) Get Average Page (20 items) Get Large Page (50 items) Get Huge Page (100 items) Materialization: LINO Materialize	0 0 0 0	n/a n/a 18745 n/a n/a n/a n/a	450 6501 9728 5009 4494 3445 2493	2232 835 9114 9114 7736 7014 5551 4108	8749 13222 17187 10625 9009 6132 4732	1559 8046 10335 6199 5051 3410 2236	933 2395 8465 2107 2312 1988 1649	19538 1290 1290 10424 1105 1175 1043 892 390747	1156 1156 5494 907 726 564 369 41555	14579 4168 4269 6590 3458 3130 2447 1803	351 351 7312 322 298 262 208	op/s queries/s queries/s queries/s queries/s pages/s pages/s pages/s pages/s objects/s
Ouery: LINO Query Compiled LINO Query Native Query Paging (LINO only): Get Small Page (10 items) Get Average Page (20 items) Get Large Page (50 items) Get Huge Page (100 items) Materialization:	0 0 0 0	n/a n/a 18745 n/a n/a n/a	450 6501 9728 5009 4494 3445 2493	835 9114 9114 7736 7014 5551 4108	8749 13222 17187 10625 9009 6132 4732	1559 8046 10335 6199 5051 3410 2236	7880 933 2395 8465 2107 2312 1988 1649	1290 1290 10424 1105 1175 1043 892	1156 1156 5494 907 726 564 369	14579 4168 4269 6590 3458 3130 2447 1803	351 351 7312 322 298 262 208	queries/s queries/s queries/s queries/s pages/s pages/s pages/s
Ouery: LINQ Query Compiled LINQ Ouery Native Query Paging (LINQ only): Get Small Page (10 items) Get Average Page (20 items) Get Large Page (50 items) Get Huge Page (100 items) Materialization: LINQ Materialize Native Materialize	0 0 0 0	n/a n/a 18745 n/a n/a n/a n/a	450 6501 9728 5009 4494 3445 2493	2232 835 9114 9114 7736 7014 5551 4108	8749 13222 17187 10625 9009 6132 4732	1559 8046 10335 6199 5051 3410 2236	933 2395 8465 2107 2312 1988 1649	19538 1290 1290 10424 1105 1175 1043 892 390747	1156 1156 5494 907 726 564 369 41555	14579 4168 4269 6590 3458 3130 2447 1803	351 351 7312 322 298 262 208	op/s queries/s queries/s queries/s queries/s pages/s pages/s pages/s pages/s objects/s
Query: LINQ Query Compiled LINQ Query Native Query Paging (LINQ only): Get Small Page (10 items) Get Average Page (20 items) Get Large Page (50 items) Get Huge Page (100 items) Materialization: LINQ Materialize Native Materialize File sizes (in bytes):	0 0 0 0	29 219 n/a n/a 18745 n/a n/a n/a n/a 1276161	450 6501 9728 5009 4494 3445 2493 257884 476553	835 9114 9114 7736 7014 5551 4108 462149	41583 8749 13222 17187 10625 9009 6132 4732 451752 752841	1559 8046 10335 6199 5051 3410 2236 276556 350029	7880 933 2395 8465 2107 2312 1988 1649 105362 231577	19538 1290 1290 10424 1105 1175 1043 892 390747 437196	1156 1156 5494 907 726 564 369 41555 55515	14579 4168 4269 6590 3458 3130 2447 1803 279126 343666	351 351 7312 322 298 262 208 47665 56430	op/s queries/s queries/s queries/s queries/s pages/s pages/s pages/s pages/s objects/s
Ouery: LINQ Query Compiled LINQ Ouery Native Query Paging (LINQ only): Get Small Page (10 items) Get Average Page (20 items) Get Large Page (50 items) Get Huge Page (100 items) Materialization: LINQ Materialize Native Materialize	0 0 0 0	n/a n/a 18745 n/a n/a n/a n/a	450 6501 9728 5009 4494 3445 2493	2232 835 9114 9114 7736 7014 5551 4108	8749 13222 17187 10625 9009 6132 4732	1559 8046 10335 6199 5051 3410 2236	933 2395 8465 2107 2312 1988 1649	19538 1290 1290 10424 1105 1175 1043 892 390747	1156 1156 5494 907 726 564 369 41555	14579 4168 4269 6590 3458 3130 2447 1803	351 351 7312 322 298 262 208	op/s queries/s queries/s queries/s queries/s pages/s pages/s pages/s pages/s objects/s objects/s
Query: LINQ Query Compiled LINQ Query Native Query Paging (LINQ only): Get Small Page (10 items) Get Average Page (20 items) Get Large Page (50 items) Get Huge Page (100 items) Materialization: LINQ Materialize Native Materialize File sizes (in bytes): Original .cs + mapping files	0 0 0 0	29 219 n/a n/a 18745 n/a n/a n/a n/a 1276161	450 6501 9728 5009 4494 3445 2493 257884 476553	835 9114 9114 7736 7014 5551 4108 462149 462149 15 521 92 043	41583 8749 13222 17187 10625 9009 6132 4732 451752 752841	24729 1559 8046 10335 6199 5051 3410 2236 276556 350029 8 275 0	7880 933 2395 8465 2107 2312 1988 1649 105362 231577	19538 1290 1290 10424 1105 1175 1043 892 390747 437196 14 762 32 121	1156 1156 5494 907 726 564 369 41555 55515	14579 4168 4269 6590 3458 3130 2447 1803 279126 343666 61 621 31 190	351 351 7312 322 298 262 208 47665 56430	op/s queries/s queries/s queries/s queries/s pages/s pages/s pages/s pages/s objects/s
Ouery: LINO Query Compiled LINO Query Native Query Paging (LINO only): Get Small Page (10 items) Get Average Page (20 items) Get Large Page (50 items) Get Huge Page (100 items) Materialization: LINO Materialize Native Materialize File sizes (in bytes): Original .cs + mapping files Generated .cs files Runtime libraries (.dlls)	0 0 0 0	29 219 n/a n/a 18745 n/a n/a n/a n/a n/a n/a n/a 1276161 n/a n/a	450 6501 9728 5009 4494 3445 2493 257884 476553	835 9114 9114 7736 7014 5551 4108 462149 462149 15 521 92 043	8749 13222 17187 10625 9009 6132 4732 451752 752841	24729 1559 8046 10335 6199 5051 3410 2236 276556 350029 8 275 0 3 126 272	7880 933 2395 8465 2107 2312 1988 1649 105362 231577 n/a n/a 301056	19538 1290 1290 10424 1105 1175 1043 892 390747 437196 14 762 32 121	1156 1156 1156 5494 907 726 564 369 41555 55515	14579 4168 4269 6590 3458 3130 2447 1803 279126 343666 61 621 31 190	351 351 7312 322 298 262 208 47665 56430 n/a 280 064	op/s queries/s queries/s queries/s queries/s pages/s pages/s pages/s objects/s objects/s bytes bytes
Ouery: LINQ Query Compiled LINQ Query Native Query Paging (LINQ only): Get Small Page (10 items) Get Average Page (20 items) Get Large Page (50 items) Get Huge Page (100 items) Materialization: LINQ Materialize Native Materialize File sizes (in bytes): Original .cs + mapping files Generated .cs files Runtime libraries (.dlls)	0 0 0 0	29 219 n/a n/a 18745 n/a n/a n/a n/a n/a n/a n/a 1276161 n/a n/a	450 6501 9728 5009 4494 3445 2493 257884 476553	835 9114 9114 7736 7014 5551 4108 462149 462149 15 521 92 043	8749 13222 17187 10625 9009 6132 4732 451752 752841	24729 1559 8046 10335 6199 5051 3410 2236 276556 350029 8 275 0 3 126 272	933 2395 8465 2107 2312 1988 1649 105362 231577	19538 1290 1290 10424 1105 1175 1043 892 390747 437196 14 762 32 121	1156 1156 1156 5494 907 726 564 369 41555 55515	14579 4168 4269 6590 3458 3130 2447 1803 279126 343666 61 621 31 190	351 351 7312 322 298 262 208 47665 56430 n/a 280 064	queries/s queries/s queries/s pages/s pages/s pages/s pages/s objects/s objects/s
Ouery: LINO Query Compiled LINO Query Native Query Paging (LINO only): Get Small Page (10 items) Get Average Page (20 items) Get Large Page (50 items) Get Huge Page (100 items) Materialization: LINO Materialize Native Materialize File sizes (in bytes): Original .cs + mapping files Generated .cs files Runtime libraries (.dlis) Color bar	0 0 0 0	29 219 n/a n/a 18745 n/a n/a n/a n/a n/a n/a n/a 1276161 n/a n/a	450 6501 9728 5009 4494 3445 2493 257884 476553	835 9114 9114 7736 7014 5551 4108 462149 462149 15 521 92 043	8749 13222 17187 10625 9009 6132 4732 451752 752841	24729 1559 8046 10335 6199 5051 3410 2236 276556 350029 8 275 0 3 126 272	7880 933 2395 8465 2107 2312 1988 1649 105362 231577 n/a n/a 301056	19538 1290 1290 10424 1105 1175 1043 892 390747 437196 14 762 32 121	1156 1156 1156 5494 907 726 564 369 41555 55515	14579 4168 4269 6590 3458 3130 2447 1803 279126 343666 61 621 31 190	351 351 7312 322 298 262 208 47665 56430 n/a 280 064	op/s queries/s queries/s queries/s queries/s pages/s pages/s pages/s objects/s objects/s bytes bytes
Ouery: LINO Query Compiled LINO Query Native Query Paging (LINO only): Get Small Page (10 items) Get Average Page (20 items) Get Large Page (50 items) Get Huge Page (100 items) Materialization: LINO Materialize Native Materialize File sizes (in bytes): Original .cs + mapping files Generated .cs files Runtime libraries (.dlls) Color bar Units:	0 0 0 0 0 0 0	29 219 n/a n/a 18745 n/a n/a n/a n/a n/a n/a n/a n/a 1276161 n/a n/a	450 6501 9728 5009 4494 3445 2493 257884 476553 58 188 126 774 2 879 448	835 9114 9114 7736 7014 5551 4108 462149 462149 15 521 92 043	8749 13222 17187 10625 9009 6132 4732 451752 752841	24729 1559 8046 10335 6199 5051 3410 2236 276556 350029 8 275 0 3 126 272	7880 933 2395 8465 2107 2312 1988 1649 105362 231577 n/a n/a 301056	19538 1290 1290 10424 1105 1175 1043 892 390747 437196 14 762 32 121	1156 1156 1156 5494 907 726 564 369 41555 55515	14579 4168 4269 6590 3458 3130 2447 1803 279126 343666 61 621 31 190	351 351 7312 322 298 262 208 47665 56430 n/a 280 064	op/s queries/s queries/s queries/s queries/s pages/s pages/s pages/s objects/s objects/s bytes bytes
Ouery: LINO Query Compiled LINO Query Native Query Paging (LINO only): Get Small Page (10 items) Get Average Page (20 items) Get Large Page (50 items) Get Huge Page (100 items) Materialization: LINO Materialize Native Materialize File sizes (in bytes): Original .cs + mapping files Generated .cs files Runtime libraries (.dlls) Color bar Units: op/s	0 0 0 0 0 0 0 0	29 219 n/a n/a 18745 n/a n/a n/a n/a 1276161 n/a n/a sions per second, m	450 6501 9728 5009 4494 3445 2493 257884 476553 58 188 126 774 2 879 448	835 9114 9114 7736 7014 5551 4108 462149 462149 15 521 92 043	8749 13222 17187 10625 9009 6132 4732 451752 752841	24729 1559 8046 10335 6199 5051 3410 2236 276556 350029 8 275 0 3 126 272	7880 933 2395 8465 2107 2312 1988 1649 105362 231577 n/a n/a 301056	19538 1290 1290 10424 1105 1175 1043 892 390747 437196 14 762 32 121	1156 1156 1156 5494 907 726 564 369 41555 55515	14579 4168 4269 6590 3458 3130 2447 1803 279126 343666 61 621 31 190	351 351 7312 322 298 262 208 47665 56430 n/a 280 064	op/s queries/s queries/s queries/s queries/s pages/s pages/s pages/s objects/s objects/s bytes bytes
Ouery: LINO Query Compiled LINO Query Native Query Paging (LINO only): Get Small Page (10 items) Get Average Page (20 items) Get Large Page (50 items) Get Huge Page (100 items) Materialization: LINO Materialize Native Materialize File sizes (in bytes): Original .cs + mapping files Generated .cs files Runtime libraries (.dlls) Color bar Units:	0 0 0 0 0 0 0 0	29 219 n/a n/a 18745 n/a n/a n/a n/a n/a n/a n/a n/a 1276161 n/a n/a	450 6501 9728 5009 4494 3445 2493 257884 476553 58 188 126 774 2 879 448	835 9114 9114 7736 7014 5551 4108 462149 462149 15 521 92 043	8749 13222 17187 10625 9009 6132 4732 451752 752841	24729 1559 8046 10335 6199 5051 3410 2236 276556 350029 8 275 0 3 126 272	7880 933 2395 8465 2107 2312 1988 1649 105362 231577 n/a n/a 301056	19538 1290 1290 10424 1105 1175 1043 892 390747 437196 14 762 32 121	1156 1156 1156 5494 907 726 564 369 41555 55515	14579 4168 4269 6590 3458 3130 2447 1803 279126 343666 61 621 31 190	351 351 7312 322 298 262 208 47665 56430	op/s queries/s queries/s queries/s queries/s pages/s pages/s pages/s objects/s objects/s bytes bytes

Result charts, page 1:



Larger = better!

