Effect of Using Foreign Key Indexing on Production

Scheduling Block Database Load Times (Seconds)

SB ID	03/21/11	03/23/11	New / Old	Old / New
2,526,515	316.5	11.31	0.036	28
2,530,609	336.2	9.55	0.028	35
2,535,046	319.3	8.70	0.027	37
2,539,096	350.8	9.00	0.026	39
2,543,575	330.5	9.54	0.029	35
2,548,010	207.5	5.87	0.028	35
2,550,639	79.5	2.46	0.031	32
2,551,674	78.2	2.68	0.034	29
2,552,756	82.5	2.74	0.033	30
2,553,837	79.5	2.28	0.029	35
SUM	2180.6	64.12	0.029	34

The tests above were performed on "chewbacca",the production database server.

The March 23 configuration included indices for all foreign keys.

The larger SBs had ~105 scans; the smaller ~30