**Estimation of Matching Performance**

The estimation was made using the LiveSearch API Demo application.

The Matching time depends on a searched word. For some words it is bigger, for others it is less. It depends how much similar words are in a data source. In the table mean values are shown.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Data source  (size in GB) | Number of matching fields | Number of records, millions | Load Time, minute | Matching Time, ms | RAM, GB |
| Companies1m.txt (0.19) | 1 | 1 | ~ 1 | 50..60 | 0.6 |
| Companies2m.txt (0.38) | 1 | 2 | ~ 1 | 80..90 | 1.2 |
| Companies2m.txt (0.38) | 2 | 2 | ~ 1.7 | 80..90 | 1.67 |
| 12M 4M dups test.txt (3.6) | 1 | 12 | ~16 | 200…**600**…1000 | 9 |

The estimation was made on PC with 16 GB and 4 Processors Cores.