Triples uploading and Querying time of following repositories:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | GraphDB | RdFox | AllegroGraph | Virtuoso |
| Uploading Dataset1 (Person Dataset)  3,000,000 triples | 33.610 seconds | 1.439 seconds | 56.407 seconds | 84.400 seconds |
| Uploading Dataset3 (Company Dataset)  399980 triples | 6.460 seconds | 0.195 seconds | - | 12.786 seconds |
| Uploading Dataset2 (relation between person and company)  1,000,000 triples | 17.061 seconds | 0.621 seconds | - | 33.859 seconds |
| Uploading combined dataset2 and dataset3  1,399,980 triples | 23 seconds | 0.91 seconds | 20.568 seconds | 42.947 seconds |
| Query1  (Counting number of triples in a person dataset) | 11.37 seconds | 0.21 seconds | 0.71 seconds | 0.50 seconds |
| Query2  (list of person’s first and last names) | 10.94 seconds | 0.54 seconds | 25.91 seconds | 0.30 seconds |
| Query3  (List of person's working at a particular company) | 4.27 seconds | 179,892 seconds (using Jena Fuseki) | 0.09 seconds | 0.01 seconds |
| Query4  (Count of total number of companies) | 26.06 seconds | 0.16 seconds | 0.55 seconds | 0.12 seconds |
| Query5  (List of company id's, names and number of employees working in a company) | 7.96 seconds | 232,699 seconds (using Jena Fuseki) | 6.27 seconds | 0.69 seconds |
| Query6  (Count of persons having unique first and last names) | 9.17 seconds | 0.53 seconds | 3.85 seconds | 3.75 seconds |
| Query7  (Count of persons having same first and last names) | 11.65 seconds | 0.007 seconds | 16.06 seconds | 2.07 seconds |
| Query8  (list of persons and the companies in which they are working) | 5.78 seconds | 3,780 seconds (Using Jena Fuseki) | 2.56 seconds | 0.04 seconds |
| Query9  (Count of total number of persons) | 7.61 seconds | 0.28 seconds | 1.95 seconds | 0.08 seconds |