

Database Operations reports provide detailed insight (details further below) into operations about various data stores - this includes operations executed against Solr or Elasticsearch clusters, as well as other types of data stores.

Important:

- To get this information **add SPM agent to the *application that is talking to a data store*** (e.g. Solr or Elasticsearch or any backend with which your application communicates using SQL - MySQL, Apache Cassandra (CQL), Apache Phoenix, Drill, Impala, and any other backend apps talk to via JDBC). This is because the *SPM agent captures operations at that client layer, not in the server itself*.
- This works only for Java applications
- To start capturing this information enable Transaction Tracing in your SPM agents
- Requires SPM monitor running in embedded mode

Insights these reports provide:

- Top 5 operation types across all your data stores or filtered to a specific data store type
- Top 5 operation types by speed, throughput, or simply their volume
- Time-series reports for volume, throughput, and latency broken down by operation type
- Ability to view all collected operations, not just the slowest ones, filter by database type or by operation type, sorted by average or total duration, or throughput
- Sparklines that show last 5 minute values and trends
- Top 10 slowest individual operations and drill-in details
- Integration with Transaction Tracing allows correlation of a specific slow operation with the actual transaction/request that triggered it