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GraphDatabase-Neo4j

1. Graph database is a database that uses graph structure. A graph has different entities to store attribute, e.g. key-value pair. Graph also has the relationship property which are the edges of the entities. These relationships provide the direction on connection of two entities; they can also contain quantitative properties (the weight of the edge). All relationships have a start node and an end node to ensure no ‘broken link’ exists in a graph database. Graph database excels in simple and fast retrieval in a complex hierarchical structure.
2. Neo4j is an open-source NoSQL graph database. Neo4j does provide an ACID database characteristic. It is written in Java and Scala. A couple big advantages of using Neo4j is that it is high performance and open source which leads to an active community. It does have a community edition and an enterprise edition which provides scalable clustering, fail-over, high availability, live backups, and comprehensive monitoring. Neo4j uses Cypher as a declarative graph query language, it is equivalent to making query against a relational database.
3. Test Run with Javascript (with test.js):  
   