

Universidad Politécnica Salesiana

Identificar diferencias entre Neo4j community y enterprise

Tabla de diferencias

Server Architecture	Community	Enterprise
Native graph processing & storage	✓	✓
Graph size limitations	34B nodes	None
ACID Transactions	✓	✓
Enterprise Lock Manager	-	✓
Node Key schema constraints	-	✓
Property existence constraints	-	✓
Auto Reuse of Deleted Space	✓	✓
Transactional ID Management	✓	✓
Transaction Memory Constraint	-	✓
Labeled property graph model	✓	✓
System database	✓	✓
High Performance Caching	✓	✓
Cypher Graph Query Language	✓	✓
Parallel Cypher Runtime	-	✓
Cost-based Query Optimizer	✓	✓
Cypher Sub-queries	✓	✓
Cypher Query Tracing	-	✓

Indexing	Community	Enterprise
GBPTREE (Native Indexes)	✓	✓
Composite Indexes	✓	✓
Native Index Population	✓	✓
Native 8KB Index Key Size	✓	✓
Full text Indexing and Search	✓	✓

Security	Community	Enterprise
Users	✓	✓
Roles	–	✓
Schema-based Security	–	✓
Authentication Attempts Lockout Timing	–	✓
LDAP and Active Directory Integration	–	✓
Kerberos Security Option	–	✓

Clustering	Community	Enterprise
Multi-clustering	–	✓
Multiple database support	–	✓
System Metadata in for Cluster	–	✓
Automatic Cache Warming	–	✓
Rolling Upgrades	–	✓
Resumable Copy/Restore Cluster Member	–	✓
Built-in Diagnostic Metrics	–	✓
Intra-Cluster Encryption	–	✓
IPv6 Support	–	✓

Read Replicas for Analytic Workflows	–	✓
--------------------------------------	---	---

Fabric	Community	Enterprise
Multi-graph Architecture	–	✓
Parallel Graph Execution	–	✓
Correlated Queries	–	✓
Condition Push-down	–	✓
Result Aggregation	–	✓
Sharding Modelling	–	✓
Disjoint Graphs Option	–	✓
Federated Data	–	✓

Clients, Drivers and Connectivity	Community	Enterprise
Neo4j Browser	✓	✓
Neo4j Desktop	–	✓
Bolt Binary Protocol	✓	✓
Bolt Keepalive	✓	✓
Language Drivers: Java, JavaScript, C#, Python, Go	✓	✓
neo4j:// scheme	✓	✓
Reactive Drivers	✓	✓
Back-pressure and Flow Control	✓	✓
High Throughput Load Balancing	–	✓
Spring Boot Starter	✓	✓

SDN/RX

✓

✓

Other	Community	Enterprise
RPM, Debian, Docker, Azure & AWS Delivery	✓	✓
High Performance Server API	✓	✓
Graph Algorithms supporting AI/ML	✓	✓
Bulk Importer	✓	Resumable
Query Monitoring with Enriched Metrics	-	✓