RedisGraph 1.2 release notes

Requirements

RedisGraph v1.2 requires:

- Minimum Redis compatibility version (database): 4.0.0
- Minimum Redis Enterprise Software version (cluster): 5.0.0

v1.2.2 (May 2019)

Update urgency: Medium This is a maintenance release for version 1.2.

This release improves overall stability and provides fixes for issues found after the previous release.

v1.2.0 (April 2019)

This is a major release for RedisGraph. Compared to previous release 1.0.15:

- Added functionality
  - #452 Support multiple relationships of the same type R connecting two nodes
  - #392 Lexer elides escape characters in string creation: support for property values with ' or "

- Performance improvements
  - #442 Seek graph entity by id: MATCH (n) WHERE ID(n) = 5 RETURN n
  - #422 MATCH (n) RETURN COUNT(n) is now O(1)
  - #421 and #459 Lazy loading of matrices on subsequent writes of relationships and nodes
  - #399 Single transpose of matrices

- Minor Bugfixes:
  - #456 Memory leaks
  - #439 When label doesn't exists, the node count should return 0 #439
  - #435 Referencing non existing properties #435

Compared to 1.0:

- Added functionality
  - #390 GraphBLAS 2.3.0 release notes
  - #452 Support multiple relationships of the same type R connecting two nodes
  - #392 Lexer elides escape characters in string creation: support for property values with ' or "

- Enhanced cypher
  - Initial support for WITH clause: Allows query parts to be chained together, piping the results from one to be used as starting points or criteria of the next. ref p.78
  - #247 Initial support for UNWIND
  - #244 RETURN " (give me everything bro)
  - #236 TYPE function (returns the type of a relationship)
  - #288 Querying patterns where a relationship between two nodes can be of different types. ()-[A|B]->()
  - #252 Multiple MATCH clauses
  - #327 Multiple CREATE clauses
  - #305 MERGE + SET
  - #348 Smaller memory footprint - encode properties
• Faster and better bulk loading

• Performance improvements
  • #442 Seek graph entity by id: MATCH (n) WHERE ID(n) = 5 RETURN n
  • #422 MATCH (n) RETURN COUNT(n) is now O(1)
  • #421 and #459 Lazy loading of matrices on subsequent writes of relationships and nodes
  • #399 Single transpose of matrices
  • #393 Discard distinct when performing aggregation
  • #289 Index utilization when performing Cartesian product
  • #308 Granular writer locking

• Most noticeable bugfixes
  • #456 Memory leaks
  • #439 When label doesn’t exists, the node count should return 0
  • #435 Referencing non existing properties
  • #359 Adding ORDER BY changes the number of returned hits when used in combination with LIMIT
  • #363 Remove graph entity property when it is set to null
  • #386 Return updated values on queries that modify data
  • #249 reset operation within execution plan should propagate upwards
  • #259 Replace operations appropriately when rewriting execution plan
  • #262 Entity returned from datablock should have its internals cleared
  • #264 Loaded triemap strings are not guaranteed space for a null terminator

Updated: December 14, 2021