LEARNING

cypher

#cypher

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About

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Chapter 1: Getting started with cypher

Remarks

Cypher is a declarative graph query language that allows for expressive and efficient querying and updating of a property graph.

Cypher was originally created by Neo Technology for its graph database Neo4j, but was opened up through the openCypher project in October 2015 and has since been adopted by several other graph database vendors, including SAP HANA and AgensGraph.

Versions

Version	Release
3.2	2017-05-11
3.1	2016-12-13
3.0	2016-04-26
2.3	2015-10-21

Examples

Keyword Guide

Read Keywords

KeyWord	Function	Example
MATCH	Find following expression in graph	MATCH (n)

Write Keywords

KeyWord	Function	Example
CREATE	Create the following pattern	CREATE (n:Person{name:"Bob"})
DELETE	Delete the following nodes/relationships	DELETE n
DETACH DELETE	Delete the following nodes, and any attached relationships	DETACH DELETE n

Read-Write Keywords

KeyWord	Function	Example
Merge	Match following pattern, or create it	Merge (n:Person{id:1337})

Filter Keywords

KeyWord	Function	Example
Limit	Limit result rows to the following number. Combine with Skip to page results	Limit 25
Skip	Skip first n result rows. Combine with Limit to page results	Skip 25
WHERE	Filter results by following expression	WHERE n.age > 21
AND/OR	And/Or multiple expressions	WHERE n.age > 21 AND n.age < 30
NOT	Negate following expression	WHERE NOT n.age > 21
ANY/ALL/NONE/SINGLE	Filter based on collection	WHERE ALL (p in people

Remember to check the Refcard for your version of Cypher, as these may have changed.

- current
- 3.2
- 3.1
- 3.0

Read Getting started with cypher online: https://riptutorial.com/cypher/topic/5399/getting-started-with-cypher

Credits

S. No	Chapters	Contributors
1	Getting started with cypher	Community, Tezra