

Neo4j security question

7 posts by 2 authors  



cui r

May 5



Hi,

Some time ago, when I look at the Neo4j document for security, I vaguely remember that the security is token based. But now I couldn't find any reference to tokens. Is there any change to the security implementation?

What's the recommended way for authentication in a high throughput scenario?

Thanks.
Rick



Sumit Gupta

May 5



hi,

This link will help you understanding security in Neo4j -<http://neo4j.com/docs/stable/rest-api-security.html#rest-api-authenticate-to-access-the-server>

I remember in M03 (Milestone release) it was different implementation but in final release candidate (RC01) it was like "base64(username:password)".

For high throughput my suggestion would be to disable the security (set `dbms.security.auth_enabled=false`) in `neo4j-server.properties` and implement security framework at the application level which is hitting the Neo4j server.

Thanks,
Sumit
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cui r

May 6



Thanks for the info, Sumit. Just want to check whether the token based implementation is still there or not.

In our case, we have to have security check in place due to company policy. I disabled Neo4j security and implement a LDAP based security check. But LDAP check is expensive in the high throughput scenario, so I add a cache there to serve as the session.

Thanks,
Rick
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Sumit Gupta

May 6



Yes Token based security is still there in Neo4j.

Thanks,
Sumit

- show quoted text -



cui r

May 7



Hi Sumit,

Could you please explain how to get the token back? From the document you referred earlier, I don't see how to get the token for subsequent calls.

Thanks,
Rick

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Sumit Gupta

May 7



Hi Rick,

I just checked the code of Neo4j-2.2.0-M03 and Neo4j-2.2.0 but it seems like there have been considerable change in the security implementation.

M03 exposes REST API for getting the token back but that API has been removed in 2.2.0 and also complete security implementation has been changed.

In short 2.2.0 and above does not have token based security. It uses the `java.security.MessageDigest` (SHA-256) digester for authentication.

Thanks,
Sumit

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cui r

May 7



Thanks for the info, Sumit. No problem.

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