

```
= Adding the Neo4j Vector Retriever
:order: 9
:type: challenge
:optional: true
```

In this **optional** challenge, add the movie plots vector retriever to the movie trailer agent you created previously.

To complete the code you will need to update the movie trailer agent to:

- . Create the `Neo4jVector` from the `moviePlots` vector index.
- . Create the `RetrievalQA` chain using the `Neo4jVector` as the retriever.
- . Update the `tools` to use the `RetrievalQA` chain.

[%collapsible]

.Here is the code for the movie trailer agent

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[source, python]

include:../4-agents/code/chat-agent-trailer.py[tag=**]

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[%collapsible]

.Here is the code for the movie plots vector retriever

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[source, python]

include:../6-retrievers/code/retriever_chain.py[tag=**]

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[%collapsible]

.Click to reveal the solution

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There is no right or wrong way to complete this challenge. Here is one potential solution.

[source, python]

include:code/chat-agent-retriever.py[tag=**]

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== Summary

In this optional challenge, you added the movie plots vector retriever to the movie trailer agent you created previously.

In the next module, you will learn how to use an LLM to generate Cypher and improve the responses of an LLM.

read::Continue[]

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[.summary]  
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