From Zero To Hero **How To Build The Ansible Pilot** Community

23 Sep 2024 - Luca Berton

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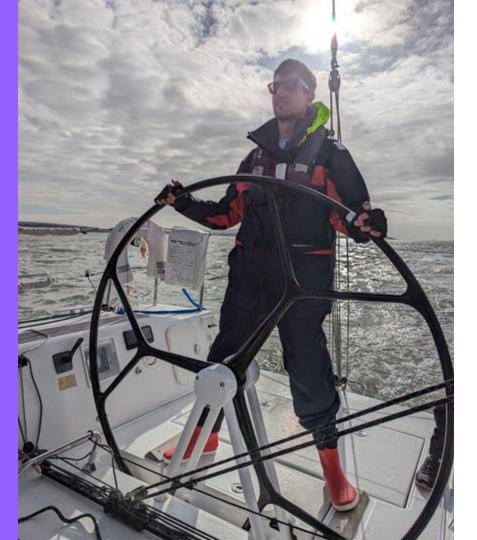
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Who is Luca Berton?

π Ansible Automation Expert Based in the NL

15 years System Administrator Infrastructure Hardening and Automation

Open Source Enthusiast



Nice to Meet You



Ansible Pilot







Books





Events

Sep '24 Ansible London GB
Feb '24 New Delhi Book Fair IN
Dec'23 Cloud Native London GB
Sep'23 Ansible Community Day DE
Jul '23 Ansible Automates London GB
Jun '23 DevConf.cz CZ
Jun'22 PGMeetUp Bari 2022 IT
Feb '22 Ansible AnwendertreffenDE

Demo GenAl Ansible

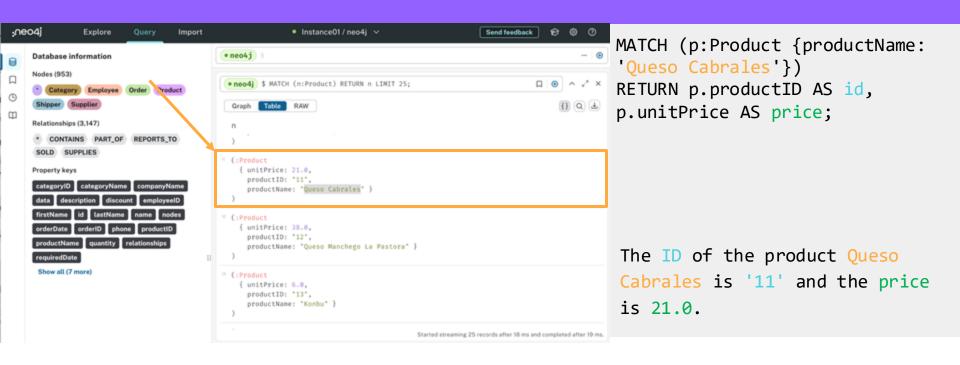
Deploy a GenAl Retrieval-Augmented Generation (RAG) system that connect with Neo4j Graph database that interact in ChatGPT interface with **Ansible**.

```
mode: '0644'
- name: Create application directory
  ansible.builtin.file:
    path: /opt/neo4j_genai
    state: directory
   mode: '0755'
- name: Copy Python application to the server
  ansible.builtin.copy:
    src: files/application.py
    dest: /opt/neo4j genai/application.py
   mode: '0755'
- name: Run the Neo4j GenAI application
  ansible.builtin.command: python3 /opt/neo4j_genai/application
 environment:
   OPENAI_API_KEY: "{{ openai_key }}"
   NEO4J URI: "{{ neo4i uri }}"
   NEO4J_AUTH0: "{{ neo4j_auth.split(':')[0] }}"
   NEO4J_AUTH1: "{{ neo4j_auth.split(':')[1] }}"
  register: application_output
  ignore errors: true
- name: Debug application output
  ansible.builtin.debug:
   var: application output.stdout lines
```

Q: What is the ID and price of the product Queso Cabrales?

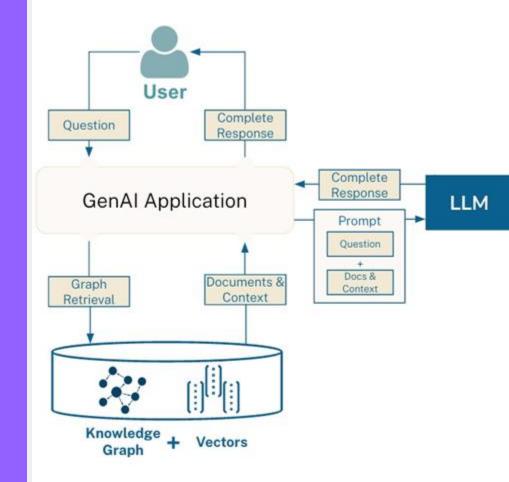
A: The ID of the product Queso Cabrales is '11' and the price is 21.0.

Northwind Database



GraphRAG

The GraphRAG integrate knowledge graphs into Retrieval–Augmented Generation (RAG) systems to enhance the accuracy, context, and explainability of GenAl results beyond what traditional vector–based RAG alone can achieve.



Demo

GraphRAG

- Manifesto
- Neo4j Workspace
- Neo4j FullIndex
- Neo4j VectorIndex
- NorthWind





hosts: all

options: "192.168.0.0/24(rw, sync, root_squash)"

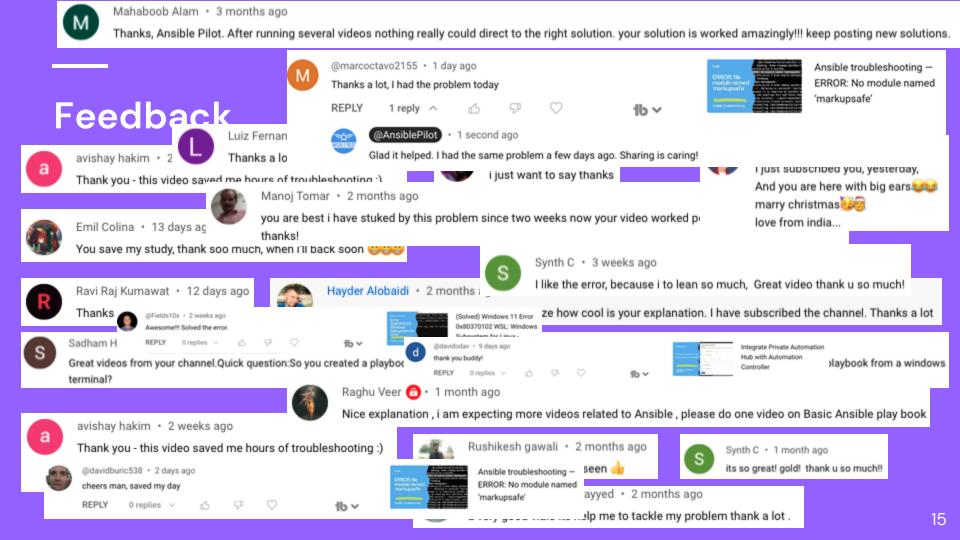
 interact webservices get_list_users.yml post_login_correct.yml

post_login_incorrect.yml

ansible-pilot \$ ansible-playbook -i virtualmachines/demo/inv

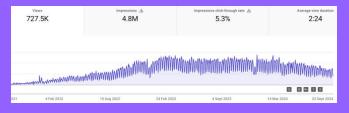
Topics



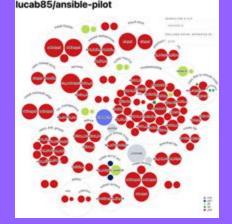




Media









ansiblepilot.com

Oll Medium



25,7K views/month

715 videos

~70 hours

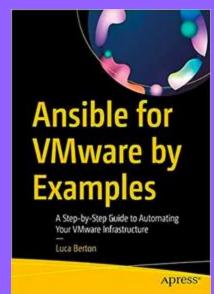
40K+ views/month

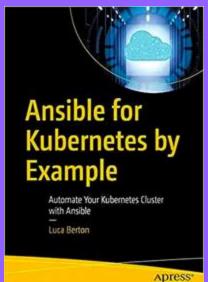
US IN GB

5K LOC

YAML, Bash, Markdown, HTML, PowerShell, Ruby

Published Books









Partnership



















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Video Courses





Learn Ansible Automation in 300+examples & practical lessons

Learn **Ansible** with some real-life examples of how to use the most common modules and **Ansible** Playbook

Luca Berton

5.0 ★★★★★ (509)

48 total hours · 310 lectures · Intermediate



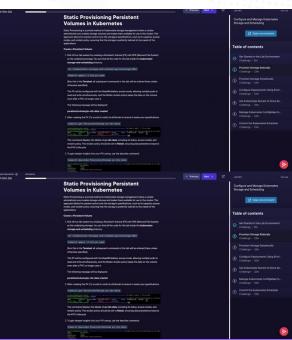


Ansible Generative Al

IT Ops Sessions









Thank you

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