

Who Am I, and What Am I Doing Here?





















- >E-mail me at jim@jimthewhyguy.com
- Follow me on Bluesky (@JimTheWhyGuy.bsky.social)
- ➤ Connect with me on LinkedIn (Jim Czuprynski)



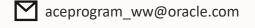


The Oracle ACE Program

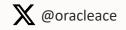
400+ technical experts helping peers globally



- The Oracle ACE Program recognizes and rewards community members for their technical and community contributions to the Oracle community
- 3 membership levels: Director, Pro, and Associate
- Nominate yourself or a colleague at <u>ace.oracle.com/nominate</u>
- Learn more at <u>ace.oracle.com</u>











Requirements for Today's Hands-On Lab

You can run this LiveLab in one of two ways:

- □An internal, limited-availability Oracle Cloud environment ("green button")
 - ☐ May not be as responsive as your own tenancy
 - □Only gives you a few hours to get through all the lab steps before it expires
 - □Once your session expires, you have to sign up again and start from scratch
- □Your own tenancy ("brown button")
 - □You <u>must</u> have already registered for **your own** OCI Cloud Account and created your tenancy
 - □Only two (2) Autonomous DB Always Free (ADBAF) instances permitted per tenancy
 - □If you <u>already</u> have a 23ai ADBAF, you can install all code in a separate schema (HOL23)

Either way, you'll be able to download and save <u>all</u> code samples, data load source files, and the sample APEX application



Signing Into Oracle LiveLabs: Let's Get Started!

First, choose either the green button or brown button option ...

... and then log into Oracle Cloud Infrastructure (OCI)

Either use this link ...

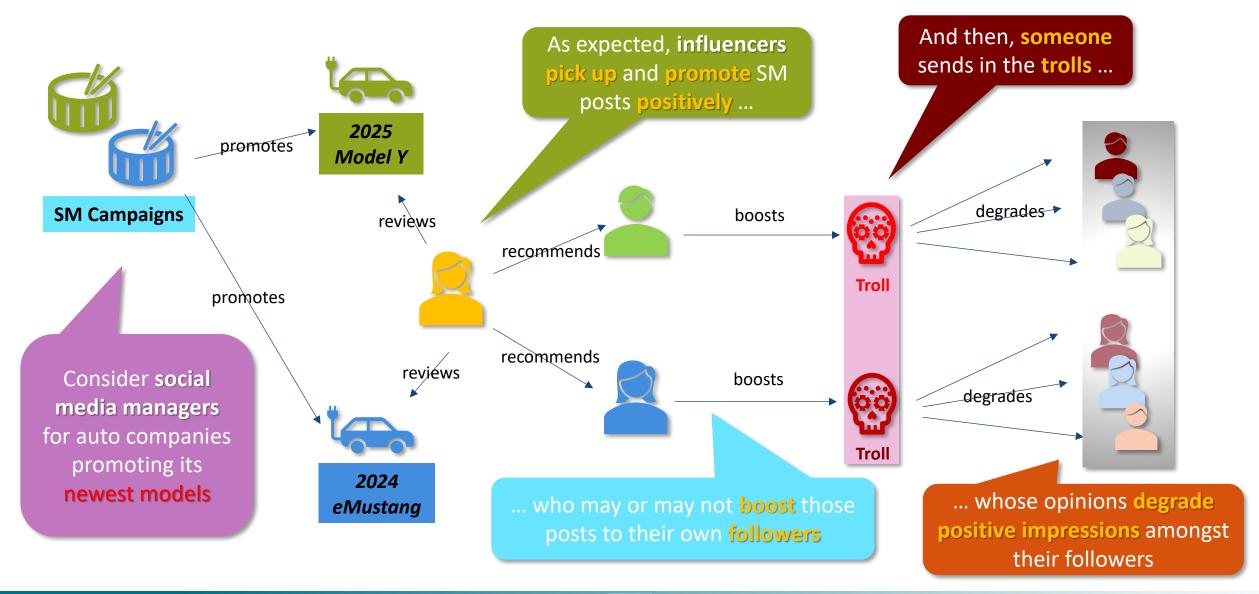
... or use this **QR code**

https://bit.ly/APEXWorld_4124





Our Social Media Strategy Worked Great ... Until It Didn't Anymore.





Business Case: Timely & Effective Responses to Negative Social Media Posts



Social media campaign just launched on **new EV models**

Initial responses were **positive** ... but then trolls & their followers propagated **negative sentiments** & **deliberate misinformation**





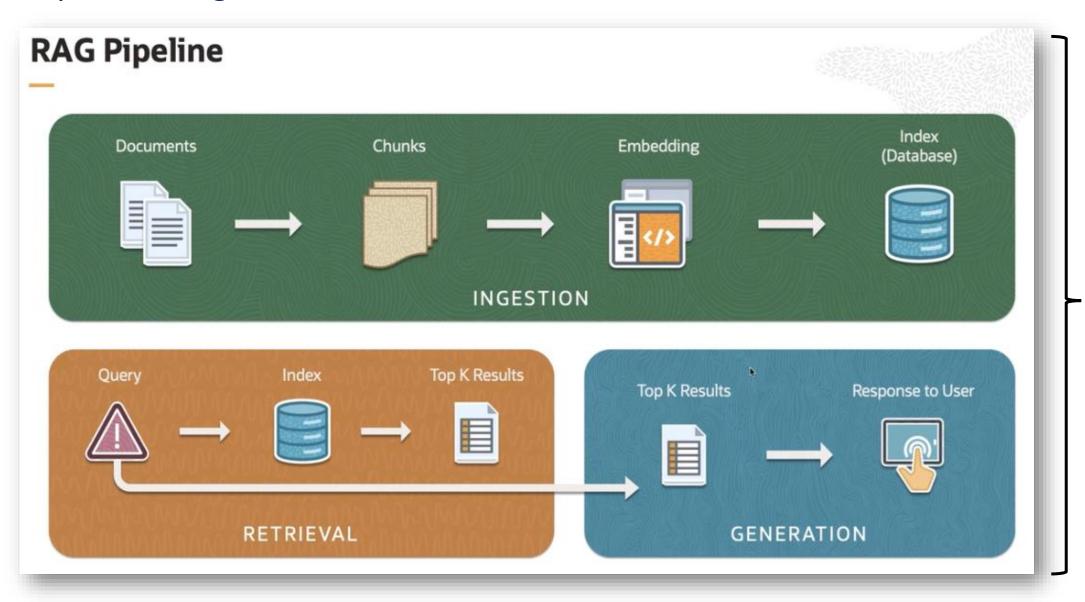
Responding to misinformation with **timely** and **effective messaging** is **imperative** to saving the campaign - and maybe even the **brand itself**

Could we leverage **Generative AI** to respond **immediately and effectively** to **existing** negative posts, as well as any **new** ones that appear?





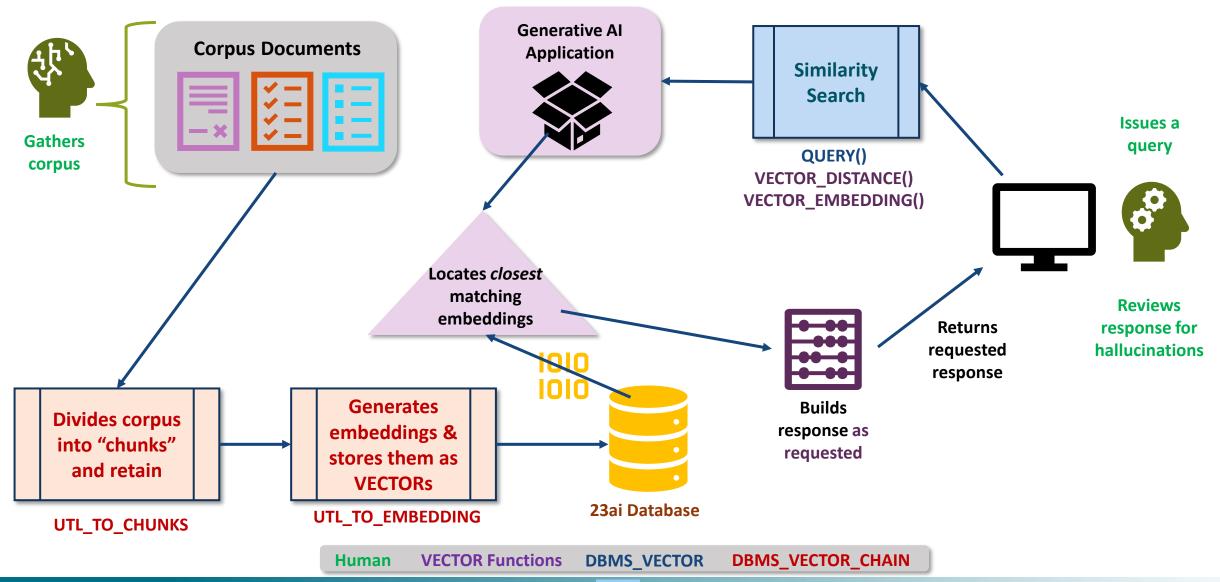
Implementing RAG Within Oracle 23ai Database



Taken directly from the Oracle
Generative Al Certification Course.
Simple, right?

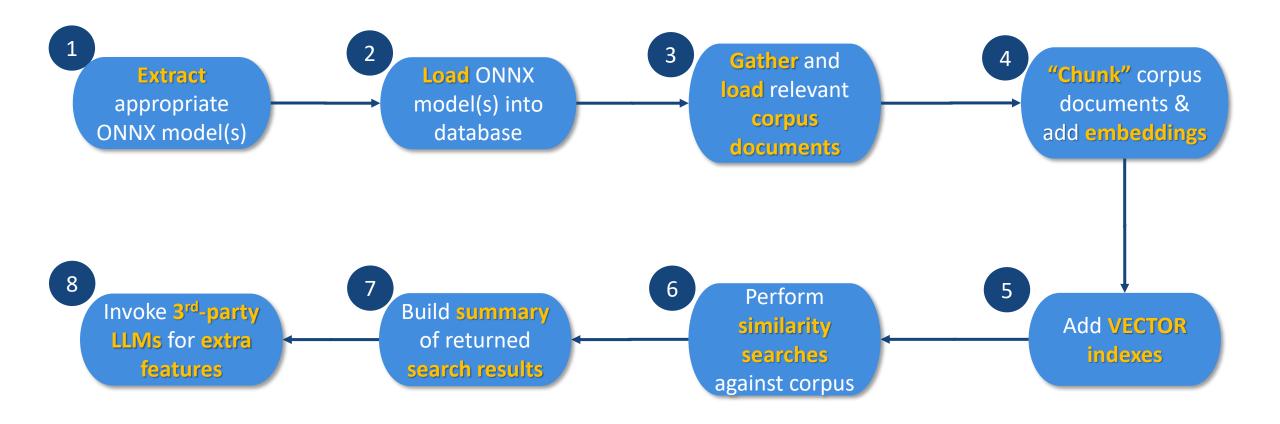


Implementing RAG Within Oracle 23ai Database





Steps for Implementing a 23ai Generative Al Solution





Useful Resources, Documentation, and Technical Details

Oracle Al Vector Search Technical Architecture

https://docs.oracle.com/en/database/oracle/oracle-database/23/vsiad/aivs_genarch.html

Oracle Al Vector Search User's Guide

https://docs.oracle.com/en/database/oracle/oracle-database/23/vecse/index.html

CREATE VECTOR INDEX Syntax

https://docs.oracle.com/en/database/oracle/oracle-database/23/sqlrf/create-vector-index.html

DBMS_VECTOR Package

https://docs.oracle.com/en/database/oracle/oracle-database/23/arpls/dbms_vector1.html

DBMS_VECTOR_CHAIN Package

https://docs.oracle.com/en/database/oracle/oracle-database/23/arpls/dbms_vector_chain1.html



LiveLabs, Blog Posts, and Articles on RAG, AI, and APEX 24.1

LiveLabs: Build an Innovative Q&A Interface Powered by Generative AI with Oracle APEX

https://apexapps.oracle.com/pls/apex/r/dbpm/livelabs/run-workshop?p210 wid=3947

Generative AI Comes to APEX

https://blog.cloudnueva.com/generative-ai-comes-to-apex

Al Has Become a Technology of Faith

https://www.theatlantic.com/technology/archive/2024/07/thrive-ai-health-huffington-altman-faith/678984/

Generative Al Can't Cite Its Sources

https://www.theatlantic.com/technology/archive/2024/06/chatgpt-citations-rag/678796/

Preliminary Notes on the Delvish Dialect

https://bruces.medium.com/preliminary-notes-on-the-delvish-dialect-by-bruce-sterling-ce68a476247b

