Un café **desplegando aplicaciones low-code**

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MAY 2025

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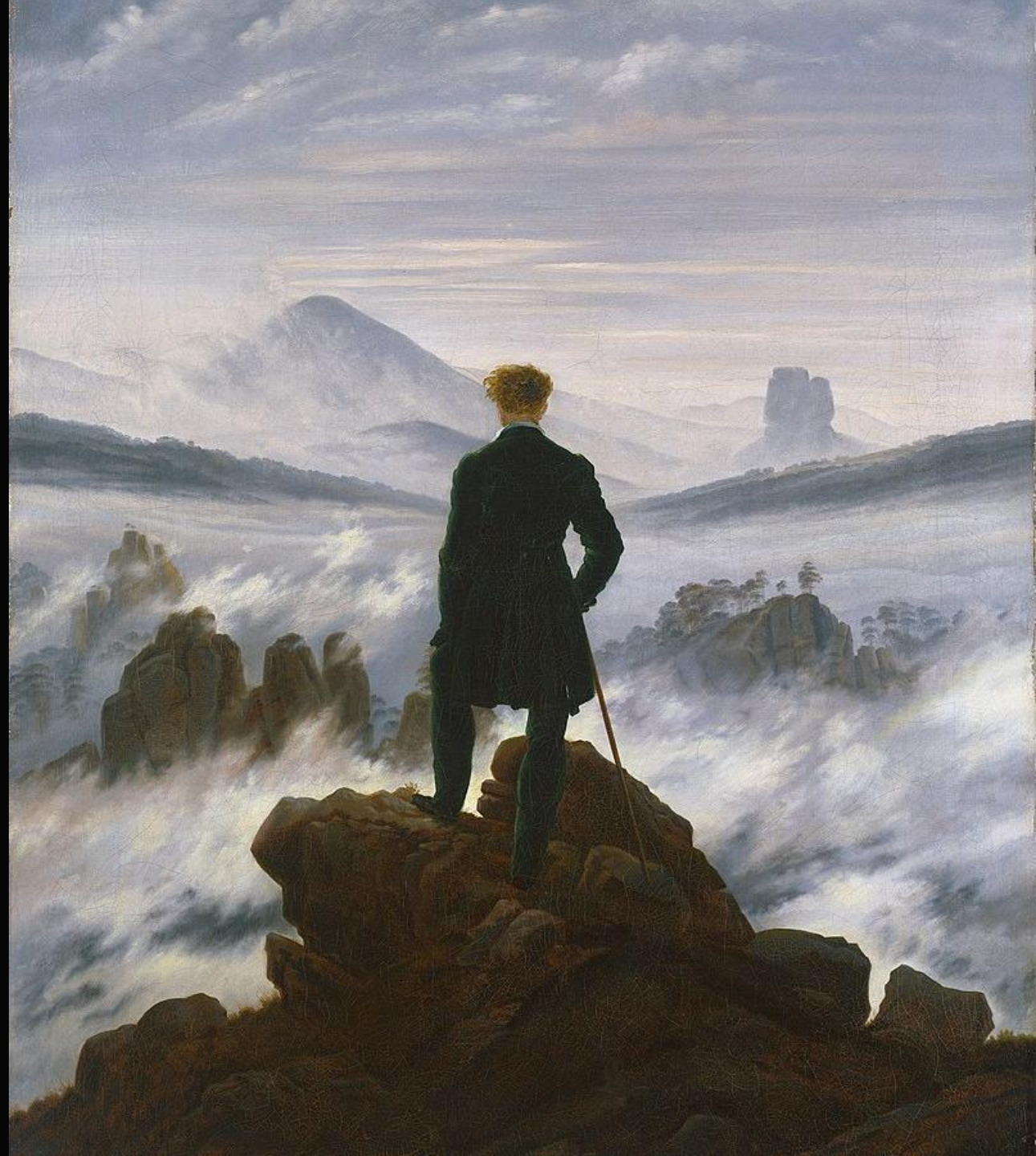
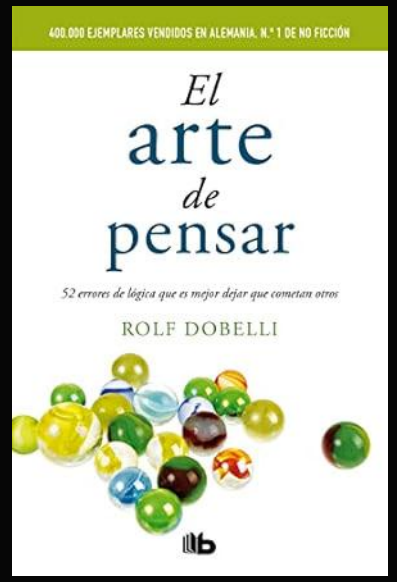
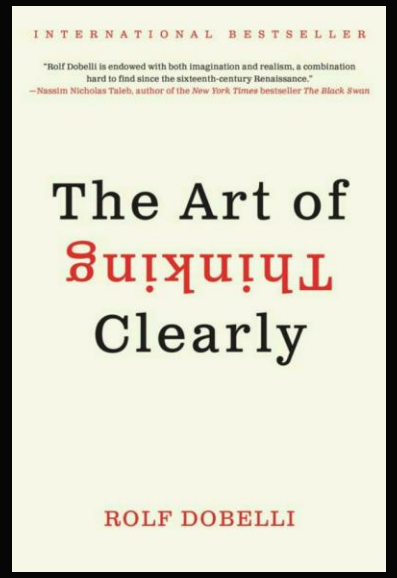
Cognitive Bias

Why is it important ?



Our mind play with us



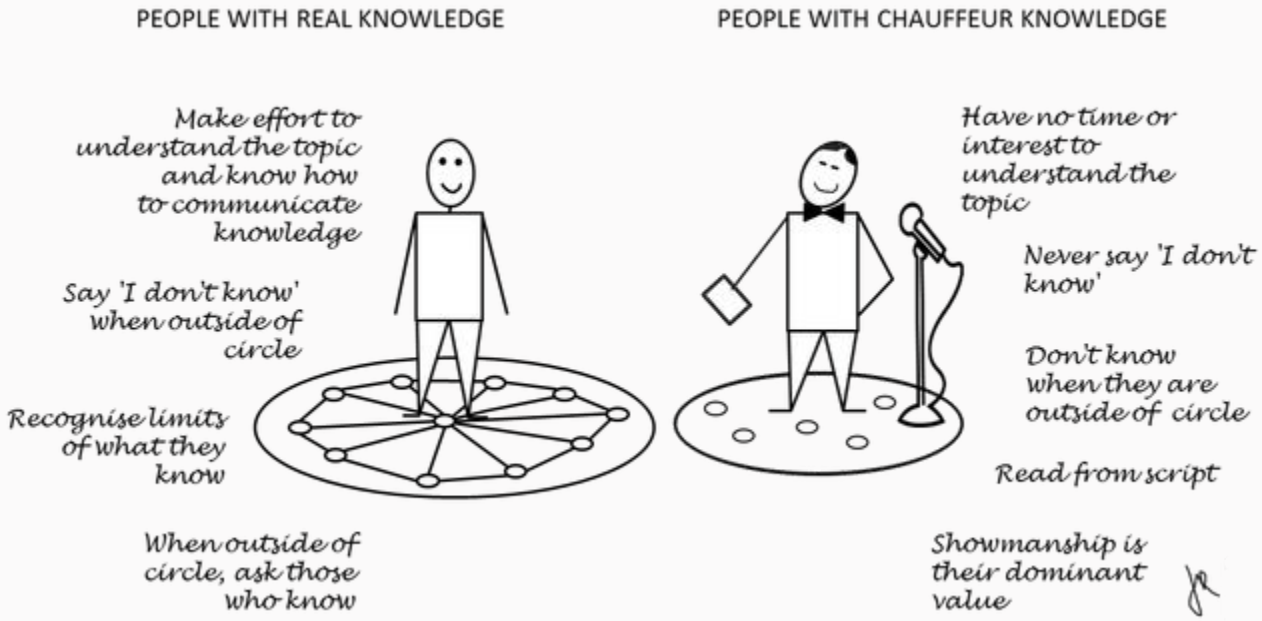


52 bias reduced to 3:

- Don't Take News Anchors Seriously: **Chauffeur Knowledge**
- Less Is More: **Paradox of Choice**
- Why You'll Soon Be Playing Mega Trillions: Neglect of Probability (and **Zero-Risk Bias**)

Don’t take News Anchor seriously

Chauffeur Knowledge



Who is the speaker?

{Ent/SW/Cloud/Devops} Architect.

17 y of sw dev for trx platforms.

Cloud (20+ Active certfs.)

Main approaches:

- DevOps
- Multicloud
- Solutions Architecture
- Landing Zone

aws Authorized Instructor

aws certified Solutions Architect PROFESSIONAL

aws certified DevOps Engineer PROFESSIONAL

aws certified Solutions Architect ASSOCIATE

aws certified Developer ASSOCIATE

Cloud Engineer — Google Cloud Certified · Associate

aviatrix ACE ASSOCIATE

The Open Group Open Certified — TOGAF® 9 Certified

Terraform CERTIFIED ASSOCIATE HCTA0-002

Oracle Certified Professional — Oracle Cloud Infrastructure Generative AI 2024

Oracle Certified Professional — Oracle Cloud Infrastructure Data Science 2023

Oracle Certified Professional — Oracle Cloud Infrastructure DevOps 2022

Oracle Certified Professional — Oracle APEX Cloud Developer

Oracle Certified Professional — Oracle Autonomous Database Cloud 2022

Oracle Certified Professional — Oracle Cloud Infrastructure Developer 2022

Oracle Certified Foundations Associate — Oracle Cloud Infrastructure AI 2023

Oracle Certified Associate — Oracle Machine Learning using Autonomous Database 2023

Oracle Certified Associate — Oracle Cloud Infrastructure Foundations 2022

Oracle Certified Associate — Oracle Cloud Infrastructure Architect 2023

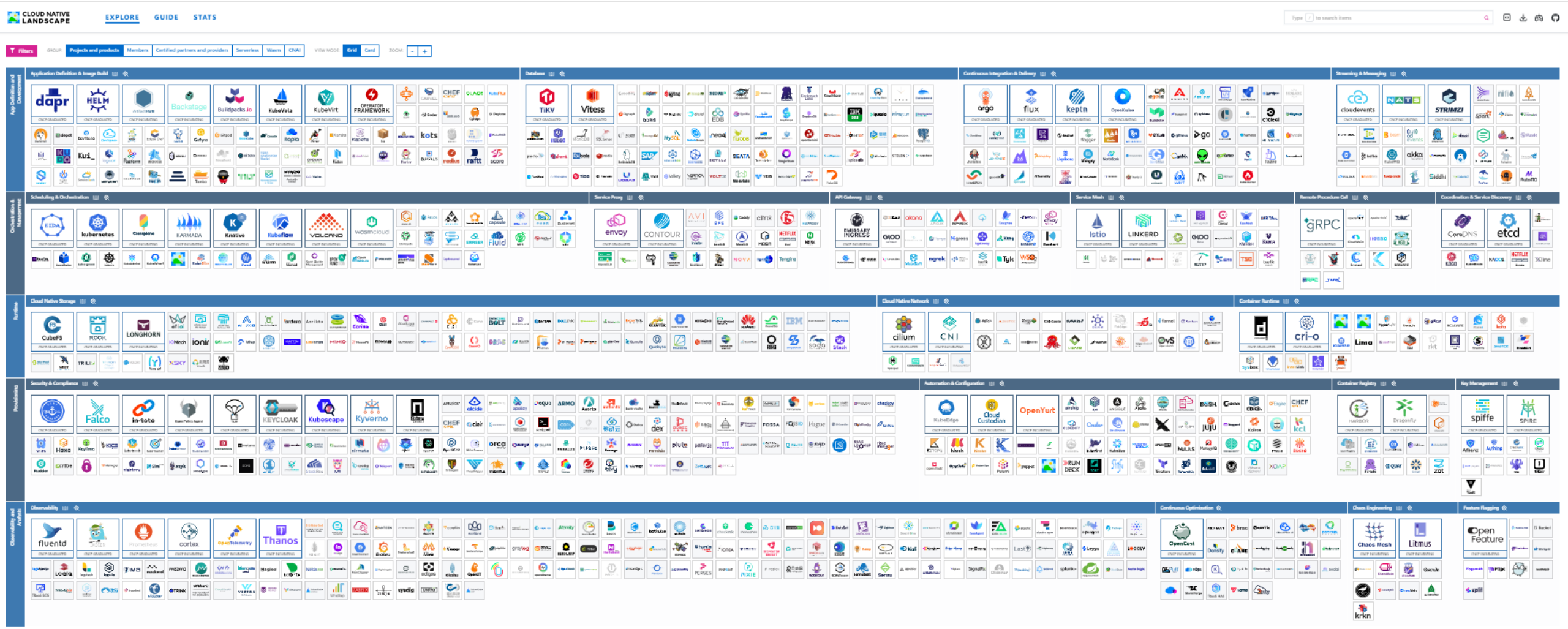
Oracle Certified Foundations Associate — Oracle Cloud Data Management 2023

Oracle Certified Associate — MySQL HeatWave Implementation Rel 1

Oracle Certified Associate — Oracle Cloud Infrastructure Multicloud Architect 2023

COGNITIVE BIAS

Less is more Paradox of Choice

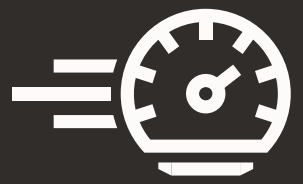


Zero-Risk Bias

Facing the learning

Why fall safely ?

Why low code?



Speed

- Easy to learn
- Faster development

- Specialized Knowledge?

Innovation

- More time to focus on making better apps

- Simplicity?

Agility

- Respond to user requests more quickly

- Limited Functionality?

What is Low Code?
Cloud Native or Low Code: What, When and Why?

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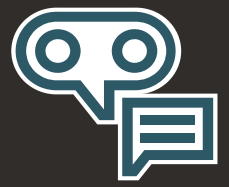
Oracle Landscape for Low-Code Platforms

Visual Builder

Extending Oracle SaaS apps

Responsive Web and native mobile apps to extend Oracle SaaS functionality



Digital Assistant

Conversational User Interfaces

Digital assistants and chatbots using visual development, AI/ML and Natural Language Processing

APEX

Data-driven applications

Responsive Web and mobile apps using data from databases, spreadsheets or RESTful web services

Dev based on Apps

Dev based on Data

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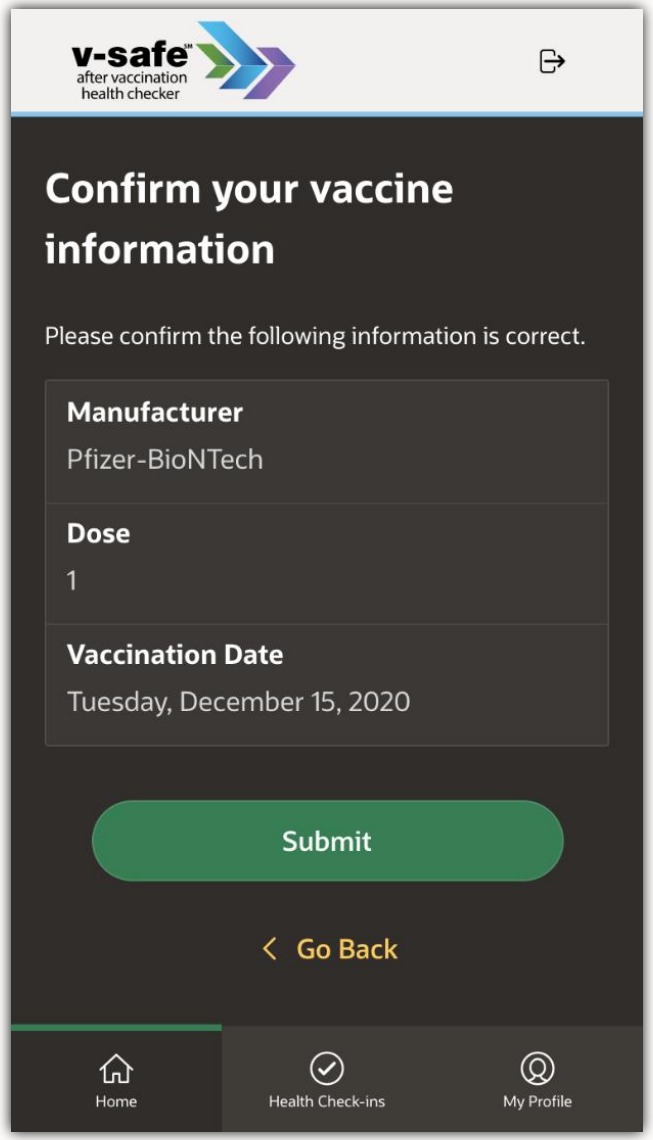
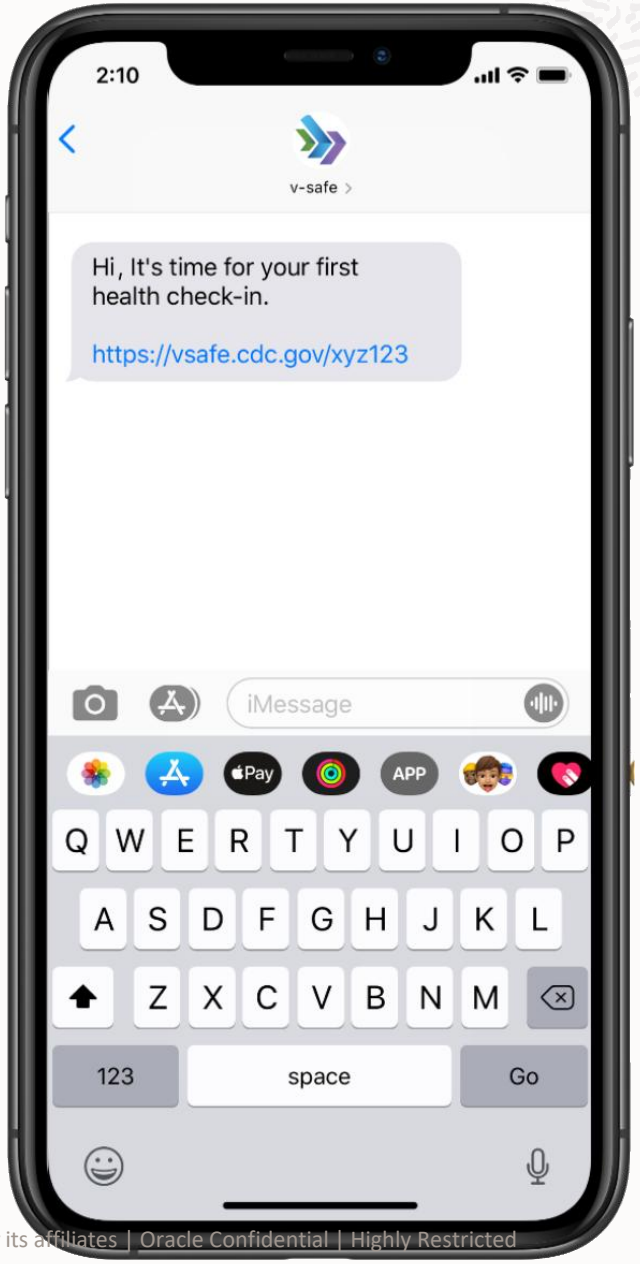
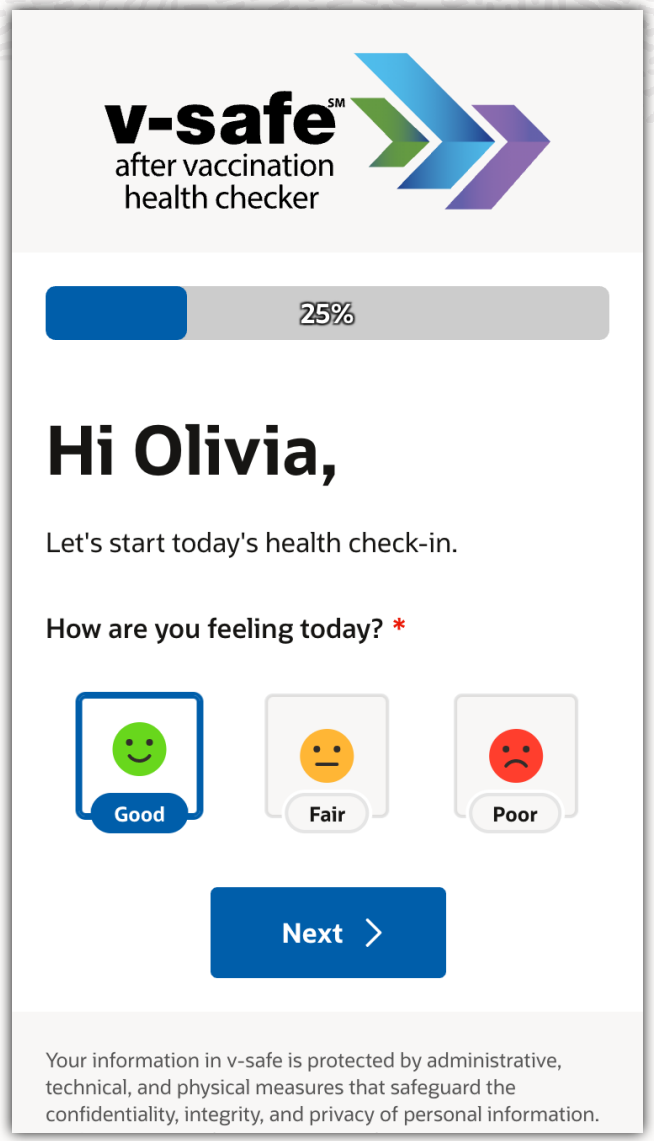
livelabs.oracle.com/pls/apex/r/dbpm/livelabs/home
LiveLabs
Cloud
Release 4.15 Built with ♥ using Oracle APEX
© 2023 Oracle | Terms of Us
Next Generation Applica
Oracle Cloud Next Gen Application Development Tools
• Oracle Autonomous Database: No Human Labor – No Human Error
• Oracle APEX Low-Code Development: Built-in Security and Fault Tolerance
Proven Huge Applications Development Productivity Gains
-safeSM: Developed APEX COVID-19 Vaccine Information System in 68 Days
Rewrote & Deployed Cloud Database Global Pathogen Analysis System in 3 Months
Proven 10x Productivity Gains







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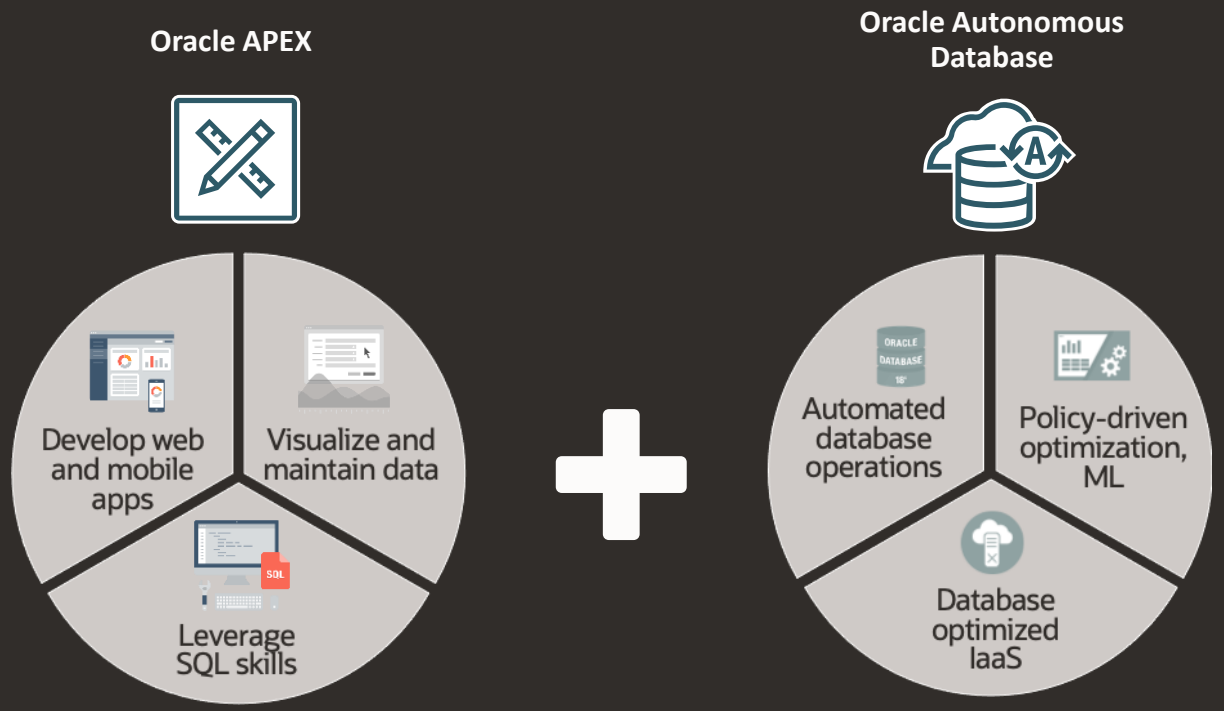
Low code frameworks simplifies modern applications

- Modern application development using ATP using APEX

1. Low barrier to entry and easy to learn
2. Less coding and faster delivery
3. High productivity
4. Meet business requirements
5. Release apps faster



20x faster with 100x less code

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The Oracle APEX advantage

Use GenAI to quickly create apps that meet business objectives

Focus on the intent of the app – not how to code it, and spend less time on maintenance going forward

Add AI to your apps

Add AI capabilities to apps even if you're not an AI expert – giving users flexible options for using apps, and shortening their learning curve

Build enterprise-ready applications

Get the security, scalability, performance and reliability of Oracle Database

APEX is included with Oracle Database at no extra cost

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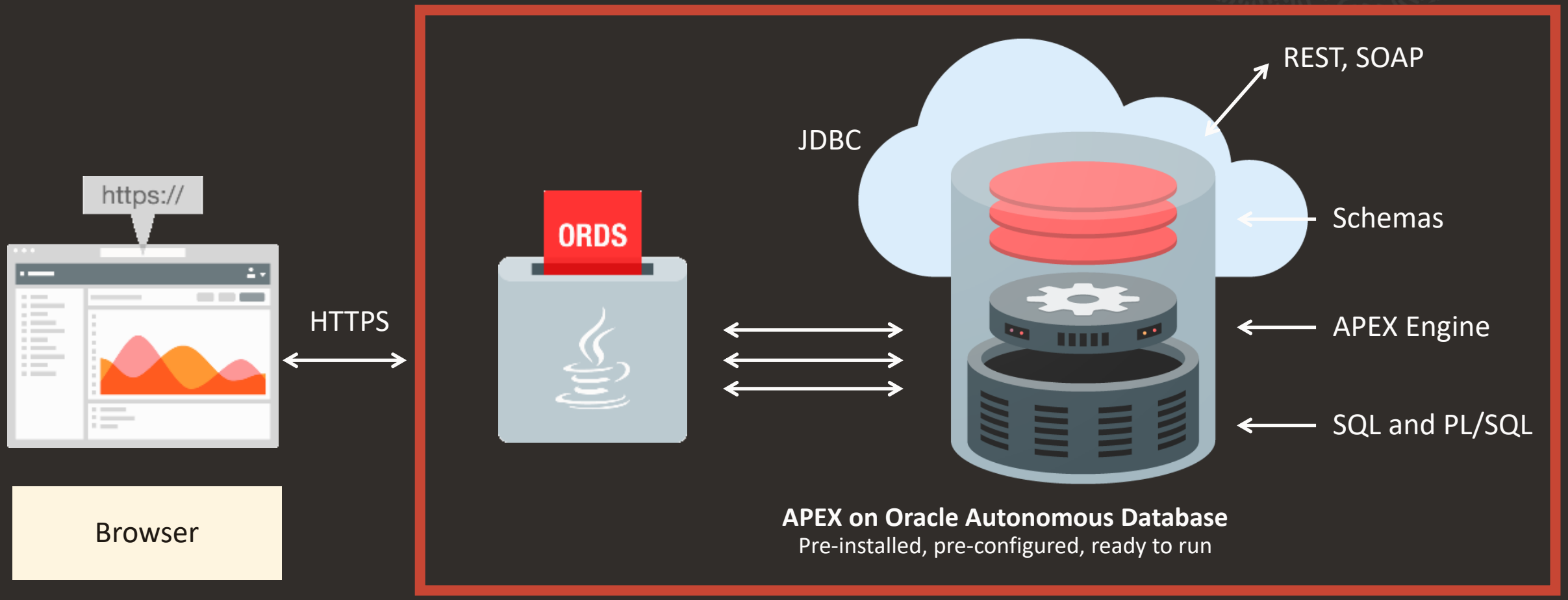
APEX High Level Architecture

EVERYWHERE WHERE ORACLE DB RUNS: OnPrem, Clouds (AWS, Azure, GCP, OCI)



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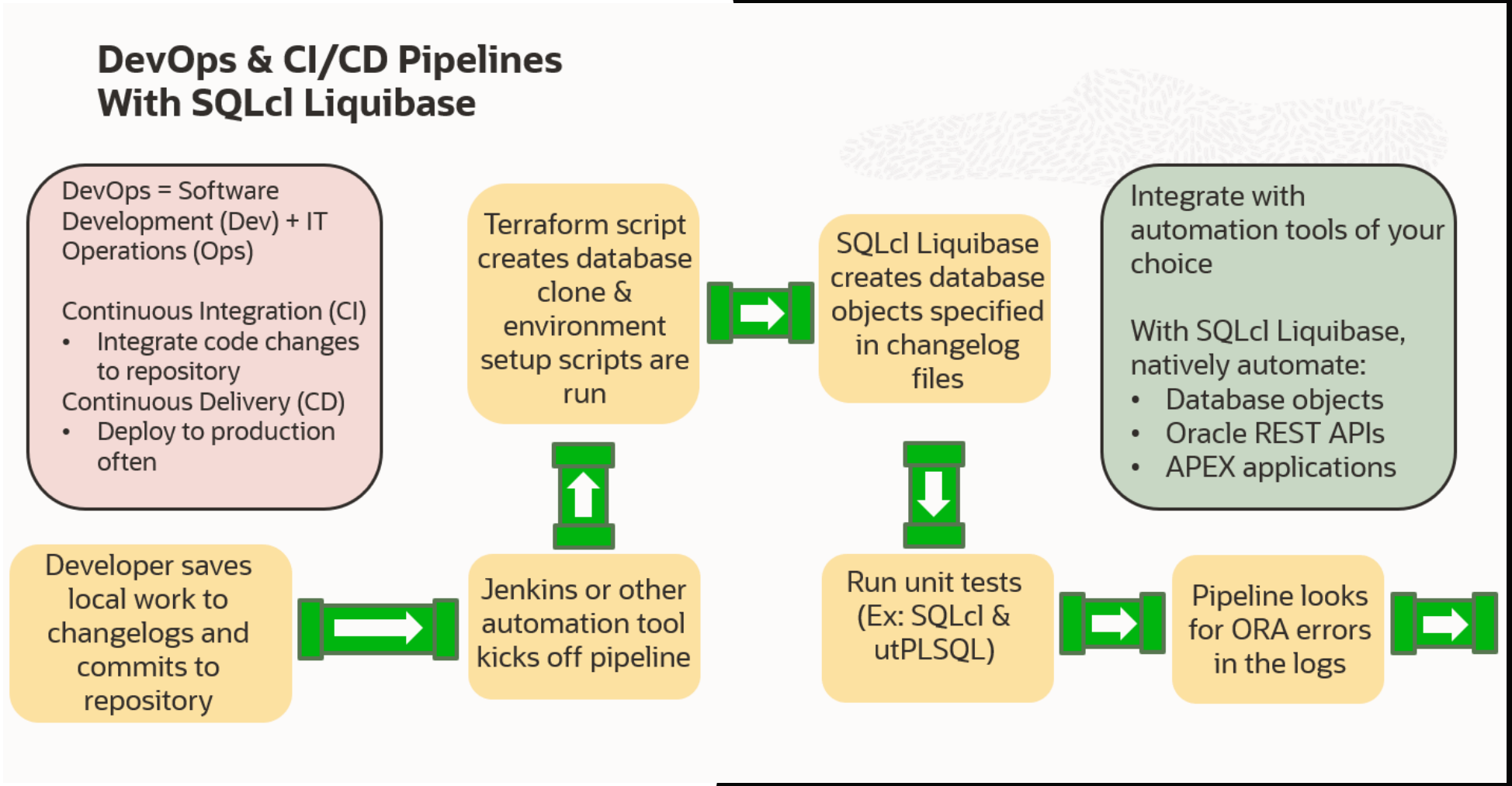
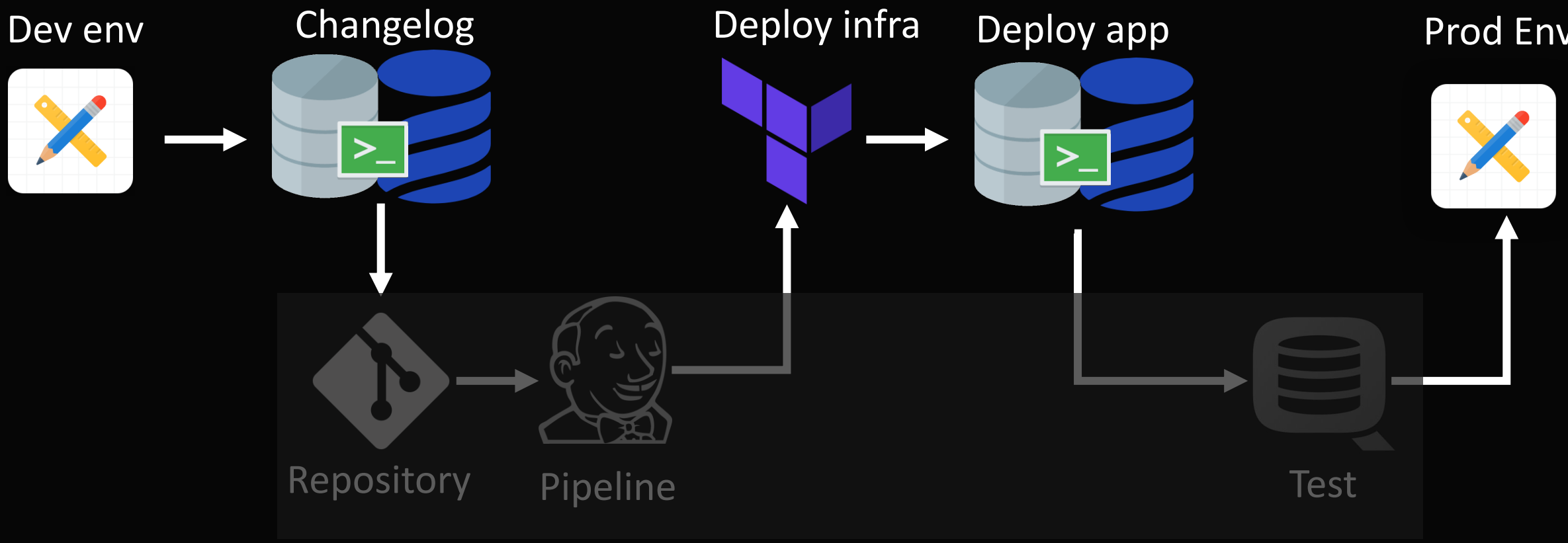
Deploy APEX Apps In The Time It Takes To Make Your Morning Coffee

Oracle LiveLabs

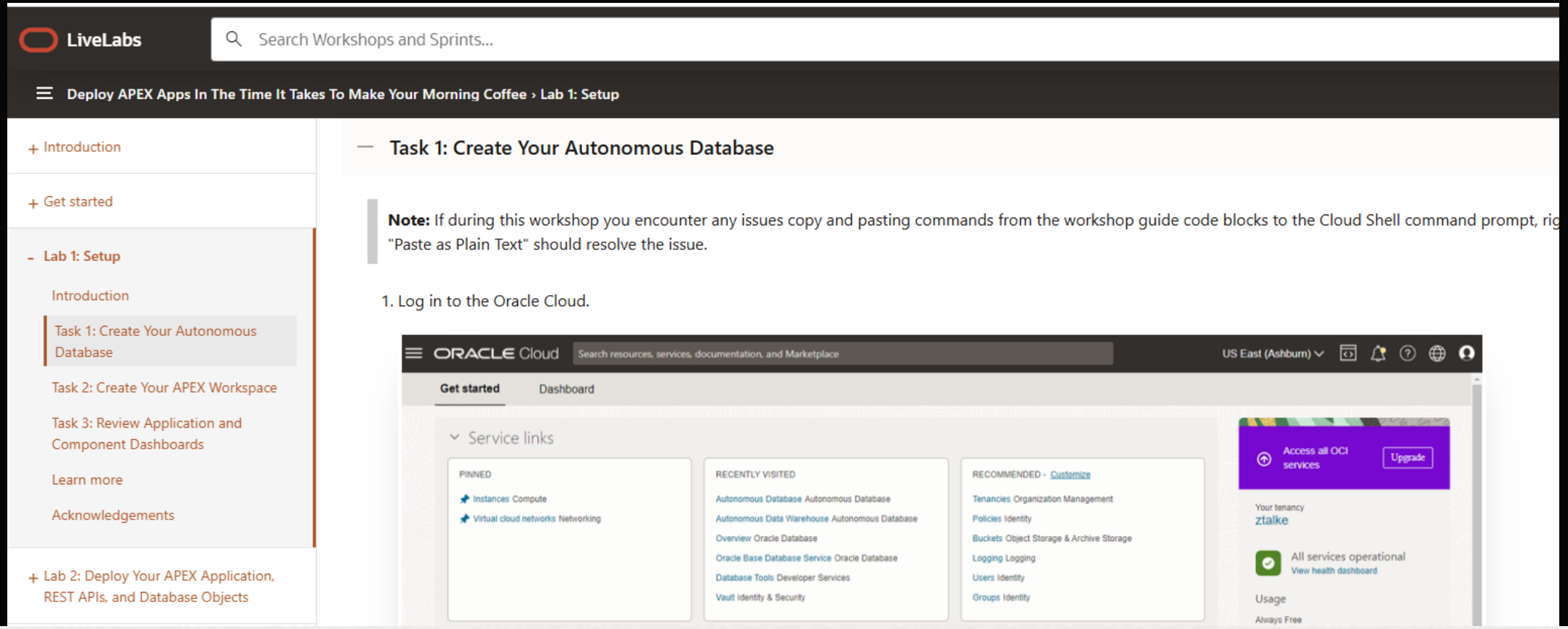
Suggested Pipelines from LiveLabs Lab



Technology Toolchain



Screenshot from LiveLabs



Work requests

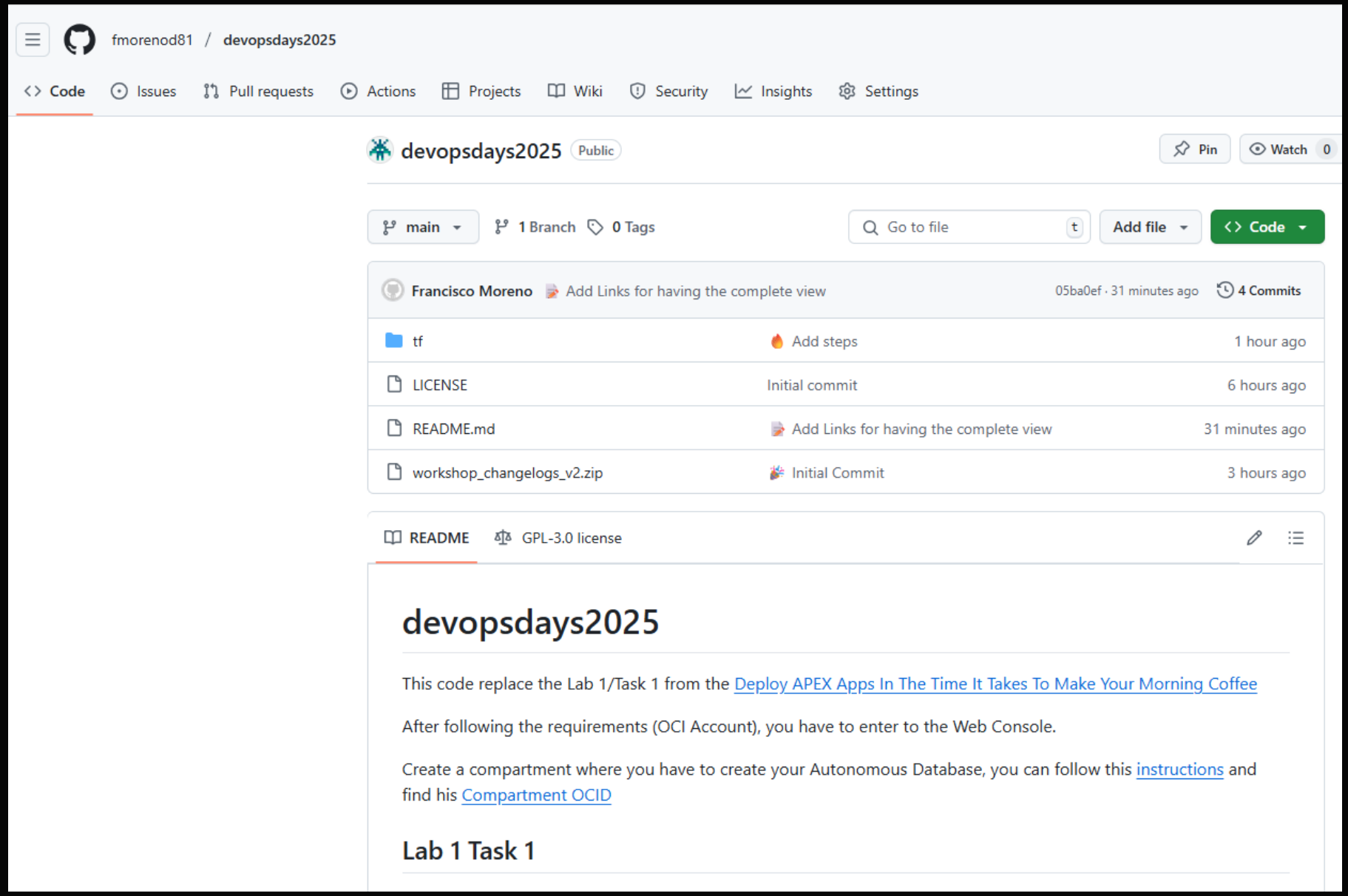
1m 38secs

Operation	State	% complete	Accepted	Started	Finished
Create Autonomous Database	Succeeded	100%	Fri, May 23, 2025, 21:35:41 UTC	Fri, May 23, 2025, 21:35:48 UTC	Fri, May 23, 2025, 21:37:26 UTC

Showing 1 item 1 of 1

Repo from Speaker to fast the demo

1. Setup : ADB and workspace
2. Deploy: SQLcl wallet connection, deploy db objects and Apps, review deploy and update.
3. Clean up.



Conclusions

01

Cognitive Bias

- Critical Thinking when you listen to people with different interest.
- Discover your own IT portfolio
- Think of the decision tradeoff.

02

Discover hidden opportunities

- Opportunistic applications
- Simple solution with an interoperability options.

03

Limit the portfolio

- Invest your time to learn other IT tools.
- Make experiments and learn in a free sandbox.

04

Start your learning Process

- Review doc and interest

More Information

Using Liquidbase on SQLcl

CI/CD with Oracle Database and APEX

Learn SQLcl Liquibase in 6 Minutes and Save Time in Your Software Development DevOps

Liquidbase Changeset

Oracle SQLcl 23.1 Enhanced APEX functionality

Oracle REST Data Service

Announcing the Oracle APEX Sample Document Generator App!

Official APEX Page

APEX Books and Articles

Oracle APEX Pricing

Create an APEX App using AI (I use OpenAPI option using this tutorial)

Coding with the AI Powered APEX Assistant on Oracle APEX

APEX + AI Official WebPage

Generative AI Development for Enterprise

Thank you!

For more information, contact

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Linkedin.com/in/fmorenod

https://github.com/fmorenod81/devopsdays2025/