

Análisis de Datos, IA, y Low Code

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What is Oracle APEX?

Oracle's Strategic AI Platform

APEX is the **world's most popular** enterprise **Al** application platform.

It enables you to build scalable and secure enterprise apps with world-class features.

Oracle APEX delivers the most productive way to develop and deploy **Mobile**, **Web**, and **Desktop** apps everywhere - cloud and onpremises.





21 Million +

apps created till date

7,000+

APEX apps created daily

850,000+

APEX developers worldwide

100,000+

customers across 150 countries



The Oracle APEX Advantage



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 Al capabilities to apps even if you're not an Al 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



Oracle APEX



App Builder



SQL Workshop



Team Development



Workflow



RESTful Services



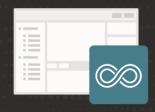
Object Browser



App Gallery



Data Loading



DevOps Tools



Monitor

- **Build** powerful cloud and mobile apps using a web browser
- **Generate** Applications using Al
- Import/export data
- Publish REST APIs
- Integrate local and remote data
- Automate & Integrate processes and apps



Development / Deployment Options











Local

- Install on stand-alone laptops using Oracle Express Edition (XE) or the full database version
- Simply upgrade APEX to the required version
- Can work completely disconnected

On-Premise

- Typically run by the IT Department
- IT generally both production operations service, and a service provider
- Departments responsible for application development

Cloud

- Deploy Internet applications
- Leveraged for fast application development, user acceptance, and training
- Prototyping & Proof-of-Concept
- Consulting companies develop for deployment on customer premise

Browser based application development framework enables efficient development & deployment Shoot someone a URL – Check this out – Application Development



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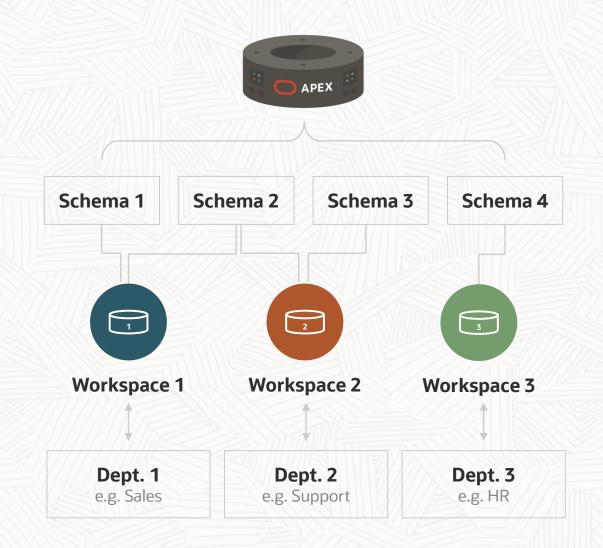
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Oracle Database with APEX



Inscripción bit.ly/inscribete_datathon

Oracle Cloud Free Tier oracle.com/free







Inscríbete al Datathon y consigue tu OCI gratis



- ✓ Intro a la tecnología y a la nube de Oracle
- Bases de datos convergentes

- Herramientas de Low Code
- Asistentes de lA generativa







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Pasos

Inscripción **bit.ly/inscribete_datathon**



Crear ADB
apex.oracle.com/go/nycgenai



Crear Espacio de Trabajo de APEX

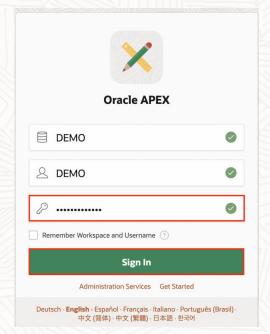
- Get Started

Introduction

Option 1: apex.oracle.com

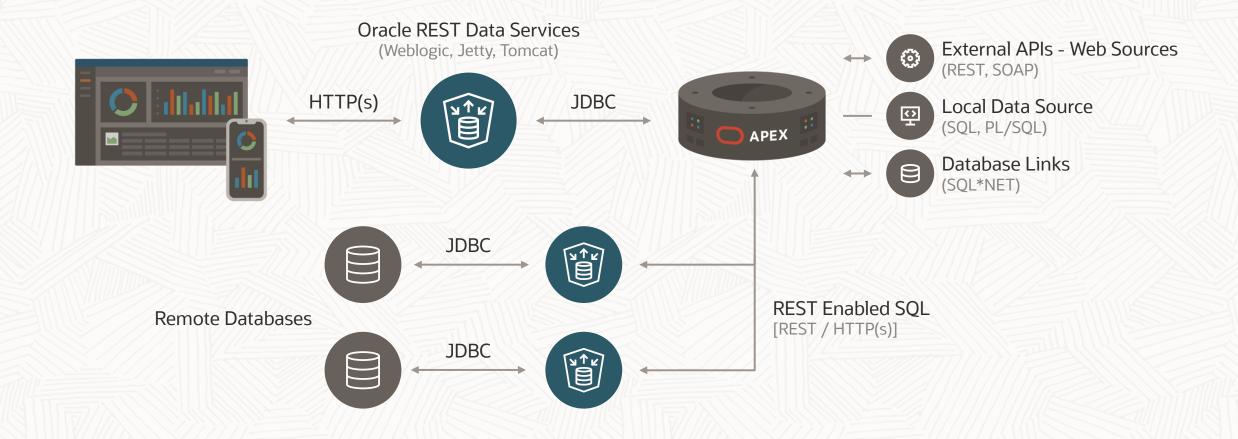
Option 2: Autonomous Database in Oracle Cloud

Option 3: APEX Service





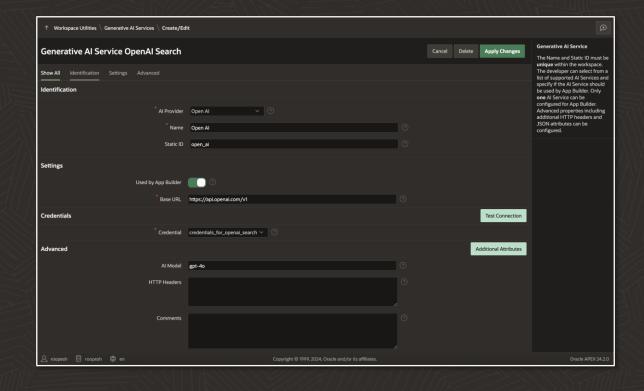
APEX Data Sources



AI-Assisted Development



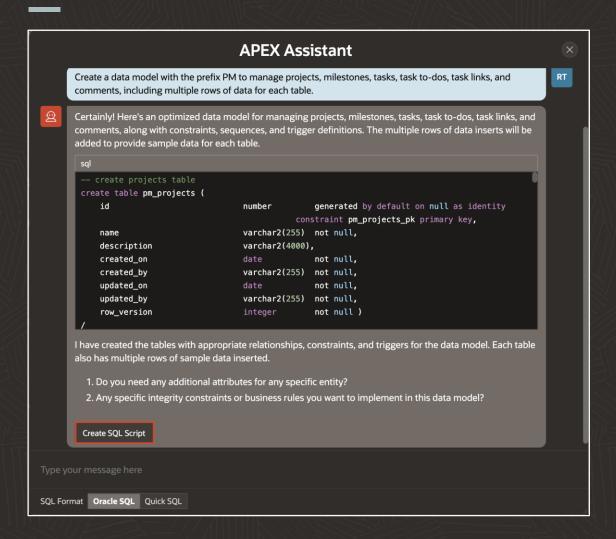
Generative AI Service



- An abstraction to popular commercial
 Generative Al products like OCI Generative
 Al, Open Al, and Cohere
- Authenticates using Web Credentials in Oracle APEX
- Users can Validate Information before setting up a connection
- Used by App Builder, Al Assistant & APEX_Al PL/SQL API
- Can be enabled/disabled on APEX at Instance and Workspace levels



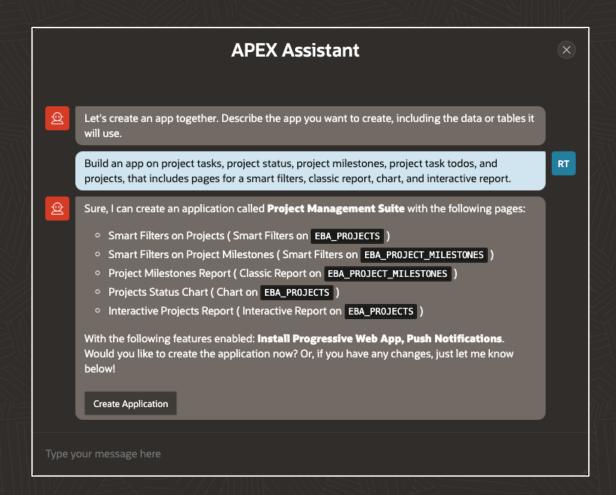
Create a Data Model from a Prompt



- Create your Own Schemas from a Prompt
- Generate scripts either in Oracle SQL or Ouick SOL format
- Build a Data Model and generate Sample
 Data



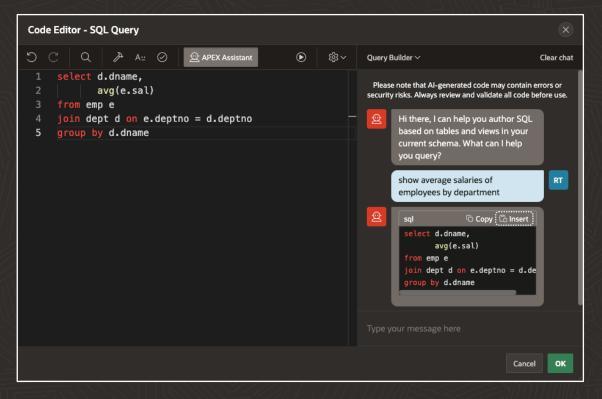
Create App from a Prompt



- Generate Application Blueprint based on a Prompt
- Leverages APEX Dictionary Cache to identify relevant tables.
- Further, enhance the generated blueprint with additional instructions



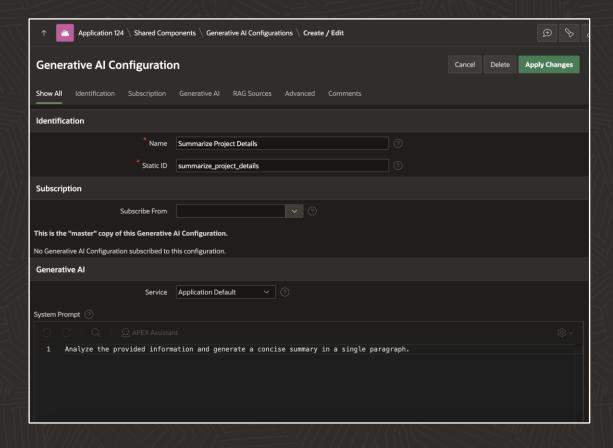
APEX Assistant in Code Editors



- APEX Assistant in Code Editors leverage
 Generative Al Services
- Leverages APEX Dictionary Cache to identify relevant tables
- Generate SQL Queries for form and report regions using the Query Builder mode
- Generate PL/SQL, JavaScript, HTML, and
 CSS Code using the General Assistance mode
- Improve & Explain Quick Actions help improve and understand the selected code



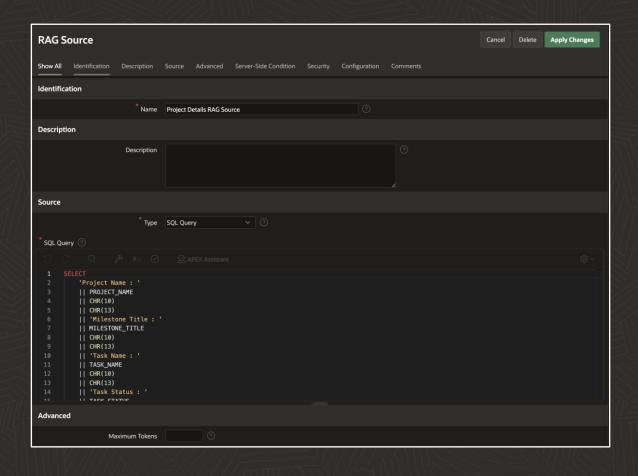
What are AI Configurations?



- Al Configurations centralize key Generative Al settings.
- Customizable System Prompt, Welcome Message, and RAG Sources.
- Use it in both the Show Al Assistant and Generate Text with Al Dynamic Actions
- Accessible via the APEX_AI PL/SQL API for seamless integration.



RAG Sources - Overview



- Use RAG Sources to enrich Al conversations with application-specific data.
- Can include SQL Queries, Function Bodies Returning CLOB, or Static Text.
- Use Authorization Schemes or Server-side Conditions to control which RAG data is included.
- Use APEX\$AI_ALL_USER_PROMPTS and APEX\$AI_LAST_USER_PROMPT bind variables for custom RAG logic
- Utilize the Al Configuration in Show Al Assistant and Generate Text with Al Dynamic Actions



Interfaz Chat



cual es el mejor municipio para ir a vivir cerca a Madrid?

МО



Determinar el "mejor" municipio para vivir cerca de Madrid es subjetivo y depende de factores como presupuesto, preferencias (tranquilidad vs. urbanidad), familia, trabajo o transporte. Me limitaré a proporcionar información precisa basada en datos sobre municipios de la Comunidad de Madrid, enfocándome en proximidad a la capital (menos de 30-40 km), y destacando servicios como sanidad, educación, deportes, farmacias y gasolineras. Usaré criterios objetivos como densidad de instalaciones para sugerir opciones populares.

Municipios recomendados cercanos a Madrid:

- 1. **Algete** (a unos 30 km al norte, bien comunicado por A-1 y transporte público):
 - Sanidad: Centro de Salud Algete, hospital cercano en San Sebastián de los Reyes.
 4 farmacias.
 - Educación: Varios colegios (e.g., Padre Jerónimo, Virgen de Valderrabe) e institutos (e.g., Al-Satt).
 - Departes: Ciudad Departiva Duque de Algete. Dádel Sport Home.

Recursos

REST Endpoints: apex.oracle.com/go/uc3m

Catálogo de Servicios REST: apex.oracle.com/go/json

Lab: Innovative Q&A Interface Powered by Generative Al apex.oracle.com/go/nyc-genai



Summary



Oracle APEX

Summary

- Oracle APEX is a strategic platform for the generative development of enterprise apps.
- Everyone can collaborate to quickly describe, iterate, and deliver sophisticated, datacentric enterprise solutions with AI assistance.
- Using both natural language and declarative builders, you capture the intent of your business solutions and the data they require, staying focused on the WHAT instead of the HOW.

Learn More...

Primary site

APEX Shortcuts

APEX on Autonomous

Tutorials

Oracle APEX Education

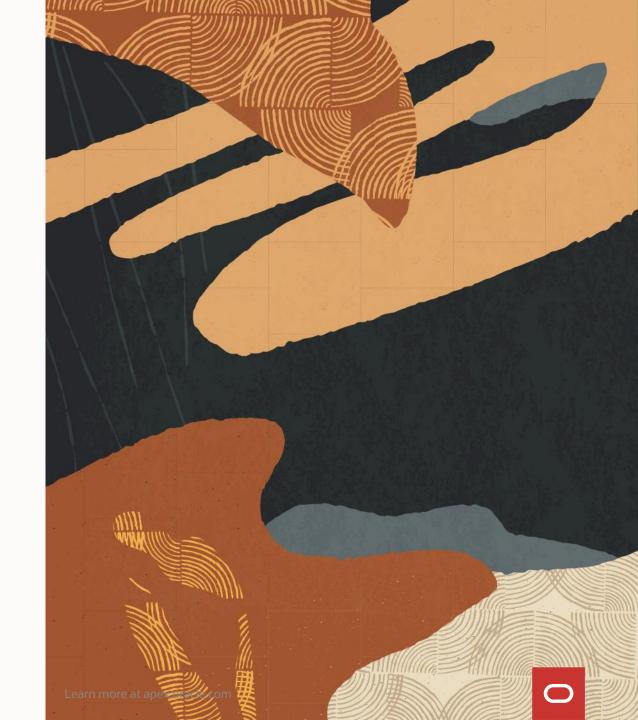
Oracle APEX + AI

apex.oracle.com/shortcuts
apex.oracle.com/autonomous
apex.oracle.com/hols
apex.oracle.com/education
apex.oracle.com/go/ai

Gracias!

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ORACLE

Our mission is to help people see data in new ways, discover insights, unlock endless possibilities.

