

# Low-Code, AI, and the Future of App Creation with Oracle APEX



### Safe harbor statement

The following is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions. The development, release, timing, and pricing of any features or functionality described for Oracle's products may change and remains at the sole discretion of Oracle Corporation.



### What is Oracle APEX?

APEX is the world's most popular enterprise low-code application platform.

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

20X faster with 100X less code.

Oracle APEX delivers the most productive way to develop and deploy **Mobile and Web** apps everywhere – cloud and on-premises.



### 19 Million +

apps created till date

5,000 +

APEX apps created daily

850,000 +

APEX developers worldwide

60,000 +

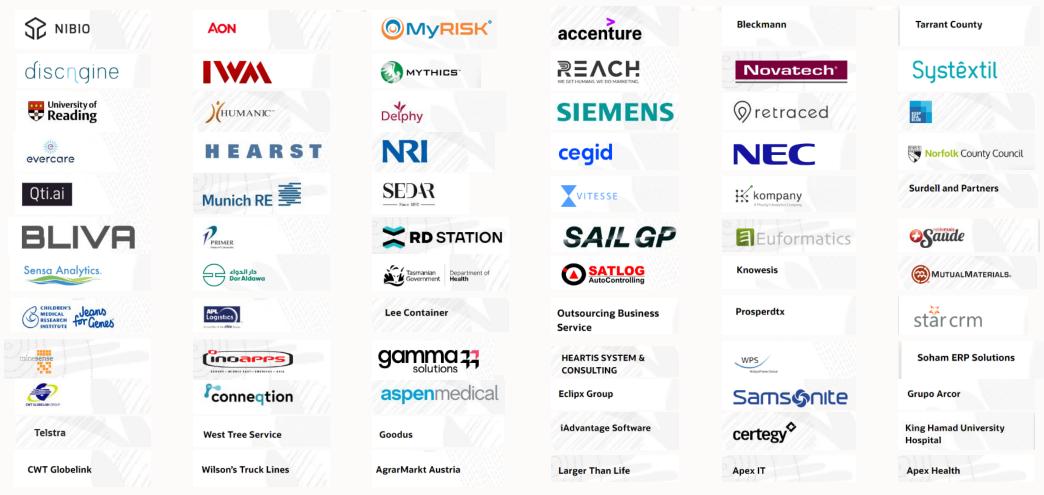
customers across 150 countries

**75%** 

of Fortune 500 use Oracle APEX



### Oracle APEX: World's Most Popular Enterprise, Low-Code Platform



Source: <a href="https://www.oracle.com/customers/?search=APEX">https://www.oracle.com/customers/?search=APEX</a>



### ORACLE APEX

"We're now building a lot of our applications in APEX. And our productivity gains are, again, a factor of 10. And we build the applications in one tenth the time, or one tenth the amount of people, or at *one tenth* the cost. But these are not typical low-code applications. These are applications that can scale to *millions* of users and all over the world."

\*Oracle Q4 FY23 earnings call - June 12, 2023



Founder & CTO, Oracle



### Larry Ellison outlines Oracle's generative Al strategy

Oracle Cloud World 2023

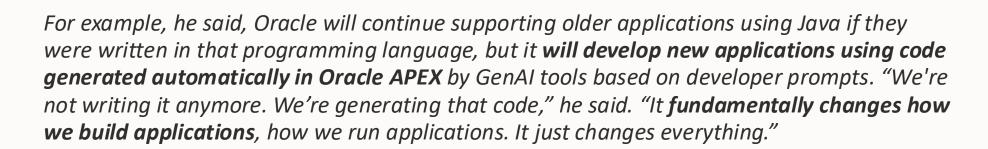




### Larry Ellison outlines Oracle's generative Al strategy

**Oracle Cloud World 2023** 

Ellison noted that generative AI is changing how Oracle itself develops new products.

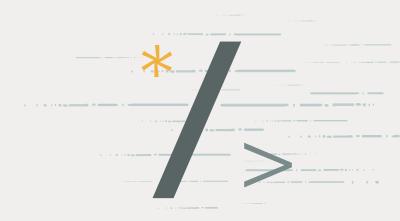


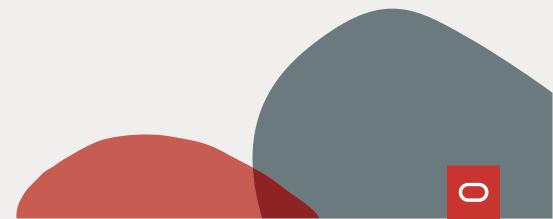
Ellison also noted that the APEX application generator allows for **faster application development with smaller development teams**, and because the code was generated by GenAI, it helps **significantly reduce security flaws**.

"This is a very big deal" he said.



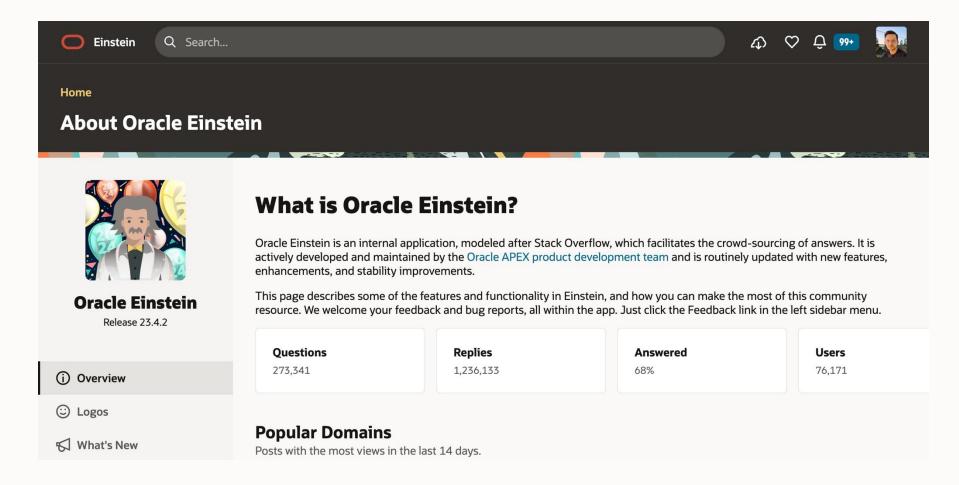
# Oracle APEX @ Oracle





### **Einstein Q&A platform**

Oracle internal APEX application used by over 10K users





### **Oracle Forums**

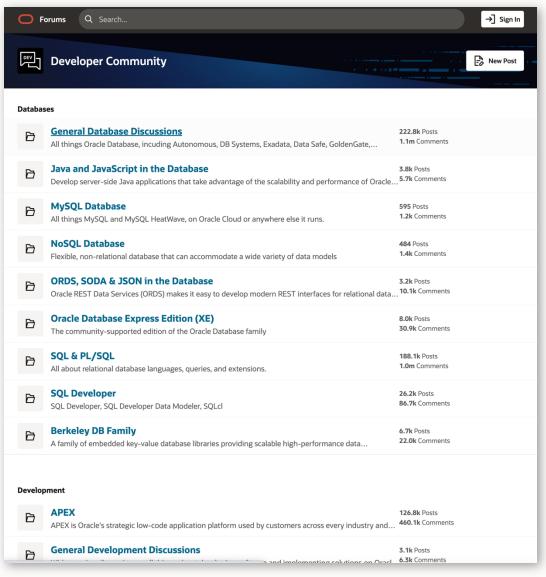
New OTN Developer Community Forum platform went live in 2023

Built with APEX and based internal Oracle Einstein Forums platform.

3.9M Users

1.9M Posts

**7M Replies** 



forums.oracle.com

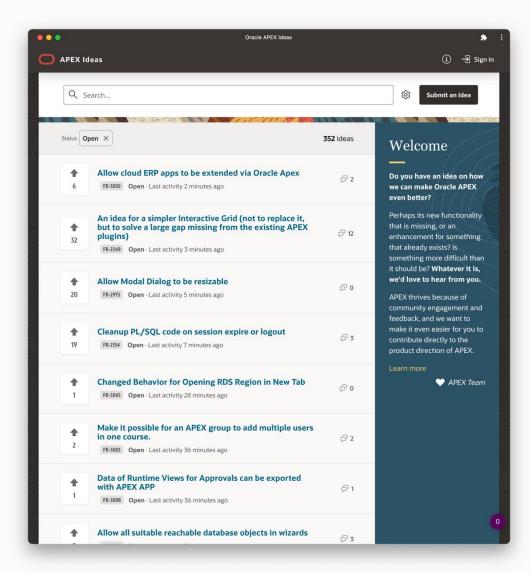


### **APEX Ideas App**

Do you have an idea on how we can make Oracle APEX even better?

New functionality that is missing? Enhancements for something that already exists? Is something more difficult than it should be? Whatever it is, we'd love to hear from you.

6000+ Active Users 1500+ Ideas



apex.oracle.com/ideas



### **Employee Directory**

Oracle internal APEX application used daily by over 70K users



### **Oracle APEX Surveys**

Oracle APEX Surveys is a mini-SaaS service built on Oracle APEX that offers a simple and intuitive platform for designing, editing, and running surveys. Each survey is presented as a beautiful and responsive web page that is interactive, intuitive, and localized.

Two approved platforms for use at Oracle:

- Oracle Internal Surveys (Running surveys within Oracle for Oracle staff only)
- Oracle Customer Surveys (Running surveys with Oracle customers)

#### These services are:

- Easy-to-use
- Secure
- Approved for use at Oracle



### **Oracle APEX - hosted instances**

### apex.oracle.com

Public APEX evaluation instance. Explore the capabilities of the APEX low-code application platform and begin building your first app today. This is the fastest way to get started with APEX.

### apex.oraclecorp.com

Oracle provides apex.oraclecorp.com as a free service for all Oracle employees to build and host internal applications for all information classifications.

82k Workspaces

224k Apps

5.9M Pages

6k Workspaces

42k Apps

1.6M Pages



### **Fusion Apps**

There are two major APEX initiatives being undertaken by Fusion Apps:

- Customers extensions: providing Fusin Apps customers the ability to build Fusion App extensions with APEX.
- Factory Fusion Apps: using APEX to build Fusion Apps.



### **Oracle Industry Solutions**

The Global Business Units are vertically-oriented organizations dedicated to Oracle's industry-specific solutions. Oracle APEX empowers GBUs to build modern web applications that extend existing applications using RESTful services.



Communications



Food & Beverage



Retail



**Communications Applications** 



Healthcare



Local Government



Construction & Engineering



**Health Sciences** 



Energy & Water



**Financial Services** 



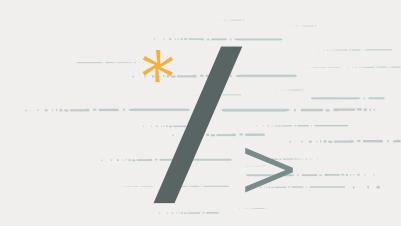
Hospitality

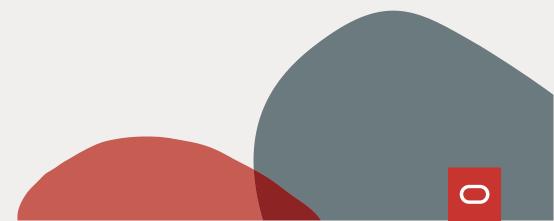


Industries on Oracle.com



### Learning Oracle APEX





### **Training and Certifications**

https://apex.oracle.com/en/learn/training/



### **Learn Oracle APEX Fundamentals**

Embark on your APEX development journey by enrolling in the Oracle APEX Foundations course.

This 3-hour learning path is ideal for beginners looking for a general overview of APEX. Explore the core functionality of APEX such as the App Builder and SQL Workshop, and build your first cloud application with APEX on OCI.

Upon completion, you will be familiar with the key capabilities and components of APEX.

### **Become an Oracle APEX Professional**

Dive deeper into APEX capabilities by enrolling in the Oracle APEX Developer Professional Course

This 13-hour learning path is targeted for both beginners and seasoned developers that want a deeper understanding of APEX. Dive into detail for each APEX component and try out the step-by-step guided labs for a hands-on experience.

Upon completion, you will have a practical knowledge of APEX concepts and capabilities, and a solid footing on how to build APEX apps.



### **Empowering Low Code Apps with Al**



Learn the latest advancements of Al in Oracle APEX

**Hands-on-Labs** to practice along with the training videos

Earn APEX + AI Champion Badge on completion



APEX + AI Champion



Enroll and learn for FREE Today on Oracle University!!

https://apex.oracle.com/go/ai-learn

Don't forget to share your badge on social media and tag us using #orclAPEX

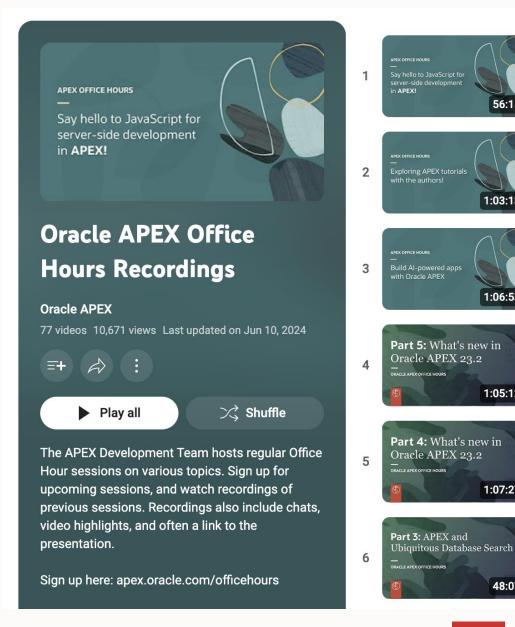




### **Oracle APEX Office Hours**

Subscribe! apex.oracle.com/officehours

Watch the recordings! apex.oracle.com/go/playlist



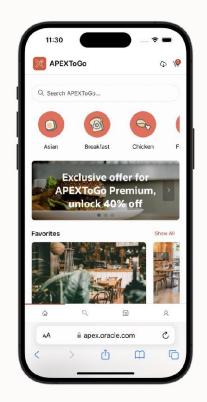


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### ORACLE Cloud World

Las Vegas | September 9–12, 2024 oracle.com/cloudworld



### **Oracle APEX 24.1**

- Al-Assisted App Development & Al-Powered Apps
- Workflow and Approvals Enhancements
- Document Generator
- Builder Extensions
- New and Updated Components
- Developer Experience
- User Experience
- Additional Updates and Enhancements



### **AI-Assisted App Development**

### Create Apps using Natural Language

- Simply describe the kinds of pages, data, and features you want, and APEX Al Assistant puts together an application blueprint to get you started.
- You can further refine the application using the full Create App wizard or generate the application immediately.

### Al-Assisted SQL Authoring

- APEX AI Assistant helps you author SQL queries over your application data model by understanding your natural language description of what data you want to retrieve.
- Augment existing queries by explaining the additional information to include. This frees you from having to lookup exact database table and column names or precise SQL syntax to achieve a result.

### Al-Assisted Debugging

 Need to debug errors within your SQL or PL/SQL code? Use the "Help me fix this" link below the error message to invoke the APEX AI Assistant to help you diagnose the issue and suggest solutions.





### **Al-Powered Apps**

### Configure Generative Al Services

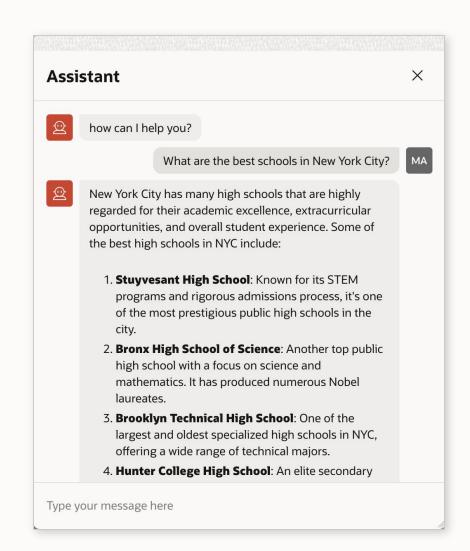
APEX offers an abstraction layer for AI services at the Workspace level. This
enables seamless integration with these services across applications and
makes for easy portability during import/export.

### Conversational Al Dialogs

Easily configure AI-powered conversational experiences using a new dedicated Dynamic Action. Simply provide the system prompt, welcome message, and customize the appearance, choosing whether to display the AI assistant within a modal dialog or inline directly on your page.

### APEX\_AI API

 Unlock deeper AI integrations using the new APEX\_AI API. Its chat() and generate() methods simplify building intelligent features using the generative AI services configured within your APEX Workspace. They save you from having to understand the differences of individual provider's APIs and interaction flows.





# Demo

Al-Assisted App Dev & Al-Powered Apps



## Thank You!

