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Oracle Database App Developer

Newsletter – November 2023

What's New

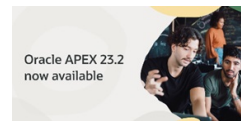
Working with JSON in Multilingual Engine/JavaScript in Oracle DB 23c Free

JSON has become one of the main, if not the main data exchange formats, and certainly one of the most important ways to store data. This article shows that working with JSON is rather easy when using MLE/JavaScript. Read this blog to know about working with JSON in multilingual engine/JavaScript in Oracle DB 23c free version.



Oracle APEX 23.2 Now Available!

APEX 23.2 adds key capabilities for AI-driven enterprise-level application development. The latest release of Oracle APEX enables AI-powered apps that users can interact with in a natural way. It also adds business workflow support, and a new application working copy capability allows multiple developers to work on parts of an app at the same time – merging their changes when needed. This release also expands options for enhancing Oracle and 3rd-party SaaS apps, and adds 100+ new connectors to non-Oracle data services.



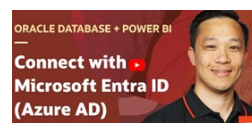
Oracle Database 23c: The Next Long Term Support Release

The new version of the world's most powerful database, **Oracle Database 23c**, is now Generally Available on OCI Oracle Base Database Service. We've also taken the opportunity to update the popular Oracle Database Free version, available for download [here](#).



Connect Power BI Desktop to Oracle DB using Azure AD SSO Tokens

Read this blog post to know about how to setup Azure AD SSO with Oracle Database and Power BI Desktop. This blog features videos that will help you to understand the entire process.



From the Desk of the Editor

Here is the November edition of the App Dev newsletter. This is our chance to highlight the latest stories to keep you updated on-the-go. We love to have your feedback and what else you want to be included in this newsletter. You can always email us with feedback, suggestions, comments, and corrections at bill.sawyer@oracle.com and priya.p.sharma@oracle.com.

Top Stories

Real-time SQL monitoring with Visual Studio code

Read this blog to know about how [Oracle Developer Tools for VS Code](#) is Oracle's free extension for Visual Studio Code that enables editing and execution of SQL and PL/SQL with Oracle Database and Oracle Autonomous Database.

[Read more!](#)

Global Active Tables - Simplicity Hides Complexity

Read this blog to know all about the technical details on Global Active Tables' underlying architecture, configuration, and operation.

[Read more!](#)

Elevate yourself to DevOps 2.0 with Autonomous Database

Read this blog to know how ADB can elevate you to DevOps 2.0 with some hands on labs.

[Read More!](#)

Developer Quiz

Two (2) raised to the 33rd power = 8589934592.

Which of the choices can be used in place of **##REPLACE##** so that the resulting block displays "8589934592" after execution?

```
DECLARE
  n ##REPLACE##;
BEGIN
  n := 2 ** 33;
  DBMS_OUTPUT.put_line (n);
END;
/
```

Answer 1
NUMBER

Answer 2
INTEGER

Answer 3
PLS_INTEGER

Answer 4
BINARY_INTEGER

Answer 5

VARCHAR2 (20)

Answer(s) are below.

Oracle APEX News

Announcing Oracle APEX 23.2 Availability

Oracle APEX 23.2 introduces application Working Copies, Workflows, expanded capabilities for subscriptions within Shared Components, and three new page items: Combobox, Image Upload, and QR Code.

APEX 23.2 also brings several enhancements to existing components, such as a fresh look for Quick SQL, increased Template Components versatility, custom Map Backgrounds, support for Fusion App extensions, numerous APEX Builder updates, enhancements to the REST infrastructure, and a whole lot more! You can learn all about by visiting [What's New in Oracle APEX 23.2](#).

Check the other Oracle APEX blogs [here](#).

APEX Workflow Development Lifecycle and Management

Read this [blog](#) to know the details of [Simplify Business Process Management Using APEX Workflow](#) new feature in APEX 23.2 and includes the following topics:

- Workflow Development Lifecycle using Workflow Designer
- The role of the Workflow Owner and Workflow Administrator in the management of Workflows and Lifecycle

This [blog](#) also includes management and error handling topics related to the Medical Appointment examples

The Oracle APEX Developer Professional 2023 Certification is here!

The all-new upgraded Oracle APEX certification has finally arrived. Stand out among your peers, and prove to everyone that you know how to rapidly build robust apps using APEX.

Get more details about this certification here: [APEX Developer Professional Certification](#).

Get your Oracle APEX Foundations Badge! Enroll in this self-paced training course to build enterprise apps 20x faster with 100x less code. [Enroll in the course for free!](#)

Events and Event Replays

NL.OUG Conference

Do you have questions around JSON-Relational duality? Are you planning to migrate from on-premises to cloud? Go to the Nederland Oracle User Group's Database Cloud Day on December 8th, 2023 to get answers and peace of mind.

[Register Here](#)

East Coast Oracle User Conference

Learn, network and discover at the East Coast Oracle User Conference on 12th and 13th December, 2023 at Raleigh, North Carolina.

[Register Here](#)

Quiz Answers: 1, 2, and 5



Ask Tom Events

- [Software Globalization](#), Dec 12th.
- [.NET & VS - Oracle](#), Dec 13th.
- [APEX Office Hours](#), Dec 21st.



Learn more... for free!

Build Expertise with hundreds of Oracle workshops on a variety of Oracle products, 24x7 for free, on [Oracle LiveLabs](#).

Learn, Write, and Share SQL at Oracle's interactive [Live SQL](#) site, built with Oracle APEX running on Oracle Database.

Build Muscles at [Oracle Dev Gym](#) by taking workouts, quizzes and even entire classes on SQL, PL/SQL, database design, logic and more.

IN PRODUCTION: [SQuizL](#), for fun and learning

Useful links to keep your skills sharp

Blogs: [Oracle Developers](#) | [Oracle Database Insider](#) | [Oracle Cloud Infrastructure](#) | [Oracle APEX](#)

Videos: [Oracle's Database Product Management YouTube channel](#)

Websites: [Oracle Database](#) | [Oracle Autonomous Database](#) | [Oracle Developer Resource Center](#) | [Oracle Developer Tutorials](#)



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