Oracle APEX: A Swiss Army Knife Story for Your Analytics

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Helpful Links

ORACLE APPLICATION EXPRESS RESOURCES

https://apex.oracle.com/en/learn/getting-started/

https://apex.oracle.com/en/solutions/success-stories/

https://www.builtwithapex.com/ords/r/bwa/built-with-apex/home

https://apex.world

SAMPLE APPLICATION

https://github.com/oracle/apex/tree/22.2/sample-apps/sample-data-loading/

https://apex.oracle.com/pls/apex/r/srittmanread/a7850192478/sample-data-loading/

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https://rittmanmead.com/

Future & Past TechCasts:

Apr 20th

From Data to Insights with Oracle Analytics

Presented by **Joel Acha**

May 4th

Oracle APEX: A Swiss Army Knife Story for Your Analytics

Presented by **Lucas Hirschegger & Simon Collins**

June 29th

Financial Crime and Compliance—Transforming Text Documents to Graphs

Presented by **Doga Tekin**

TechCast Archive

2022	2021	2020	2019

Date	Title	Presenter(s)	Replay	Download(s)
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Nov 3	OCI Vision and Oracle Analytics: Just like a Box of Chocolates	Ziga Vaupot	Video	Slides

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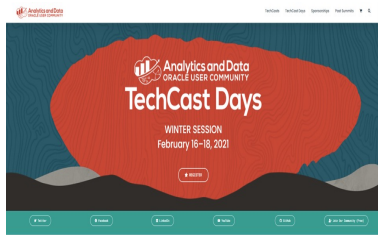
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Agenda

- Rittman Mead in a nutshell
- Oracle APEX in a nutshell
- Common business problems
  - ▸ Loading data
  - ▸ Validating data
  - ▸ Sharing data
- APEX in action

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A DATA AND ANALYTICS COMPANY

Rittman Mead is a globally recognized Oracle data and analytics consultancy

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Rittman Mead in a nutshell

- UK company
- Founded in 2007
- Global clients (UK, EEA, US, South Africa)
- 50+ employees
- Oracle Partner

ORACLE | Service Partner

Expertise in
Oracle Cloud Platform
Business Analytics
in EMEA–Western Europe

ORACLE | Sell Partner

Expertise in
Oracle Cloud Platform
in EMEA–Western Europe

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Oracle APEX in a nutshell

Develop desktop and
mobile web applications

Visualize and maintain
database data

Leverage SQL Skills and
database capabilities

SQL

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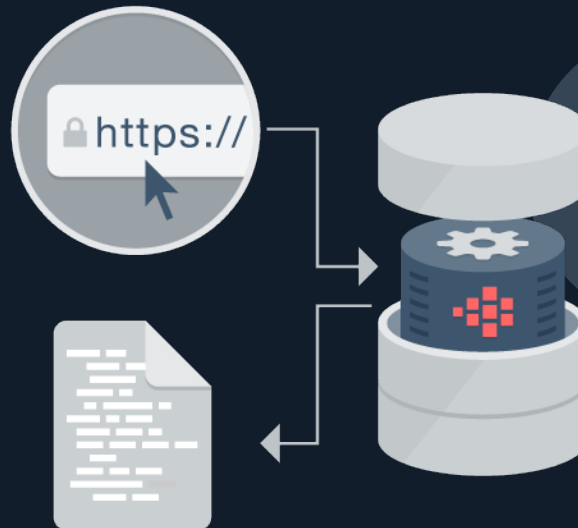www.rittmanmead.com   info@rittmanmead.com   @rittmanmead

Oracle APEX in a nutshell

- Fully supported feature of the DB
  - No extra cost
  - All versions: 12c, 18c, 19c, 21c
  - All editions: XE, SE2, EE
- Included with New Always Free Service
- In autonomous is just 1 click away

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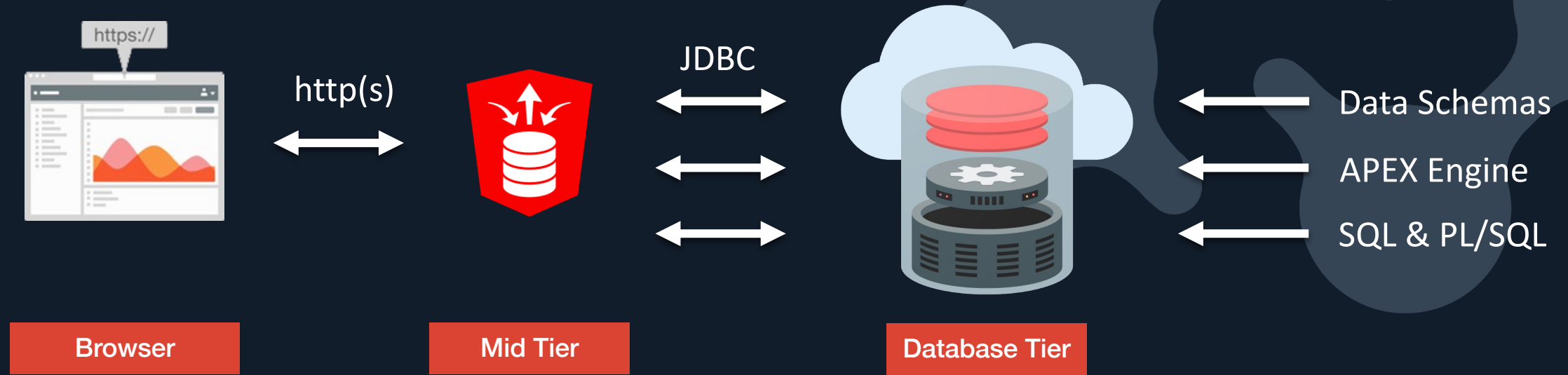
Oracle APEX in a nutshell

App Development IDE is a web browser.

App definitions are stored in the database as meta data.

Page generation is efficient with only one request and one response.

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Oracle APEX in a nutshell

https://

http(s)

JDBC

Data Schemas

APEX Engine

SQL & PL/SQL

Browser

Mid Tier

Database Tier

A **Swiss Army Knife** on top of your data that allows you solve any business problem in a quick, easy and secure way

ā'pěks
(#orclapex)

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Common business problem – Loading data

- From many sources
- Internal / External users
- Different formats
- Various destinations
- Difficult to audit

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Common business problem – Validating data

- Bad file or no file
- Reactive fixing
- Cascade failure of load plan

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Common business problem – Sharing data

- Feeding other systems
- Machine to machine
- Security

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APEX in action

- Aimed for people without experience / knowledge of APEX
- All pages shown to you in this demo can be built and deployed in ~30 minutes
- https://apex.oracle.com is free to sign up to. Many free apps to install

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APEX in action

- Authentication / Authorization
- Uploading simple data file via APEX / show how that table data can be amended in the application
- Downloading data via a RESTful Service / Real time parsing & manipulation of data / Charting
- Data Validation (database / business rules) and user clean-up on the errors thrown
- ORDS (Exposing database to RESTful services). Show how they are configured and then in action

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