

Oracle APEX

Part 1

Agenda

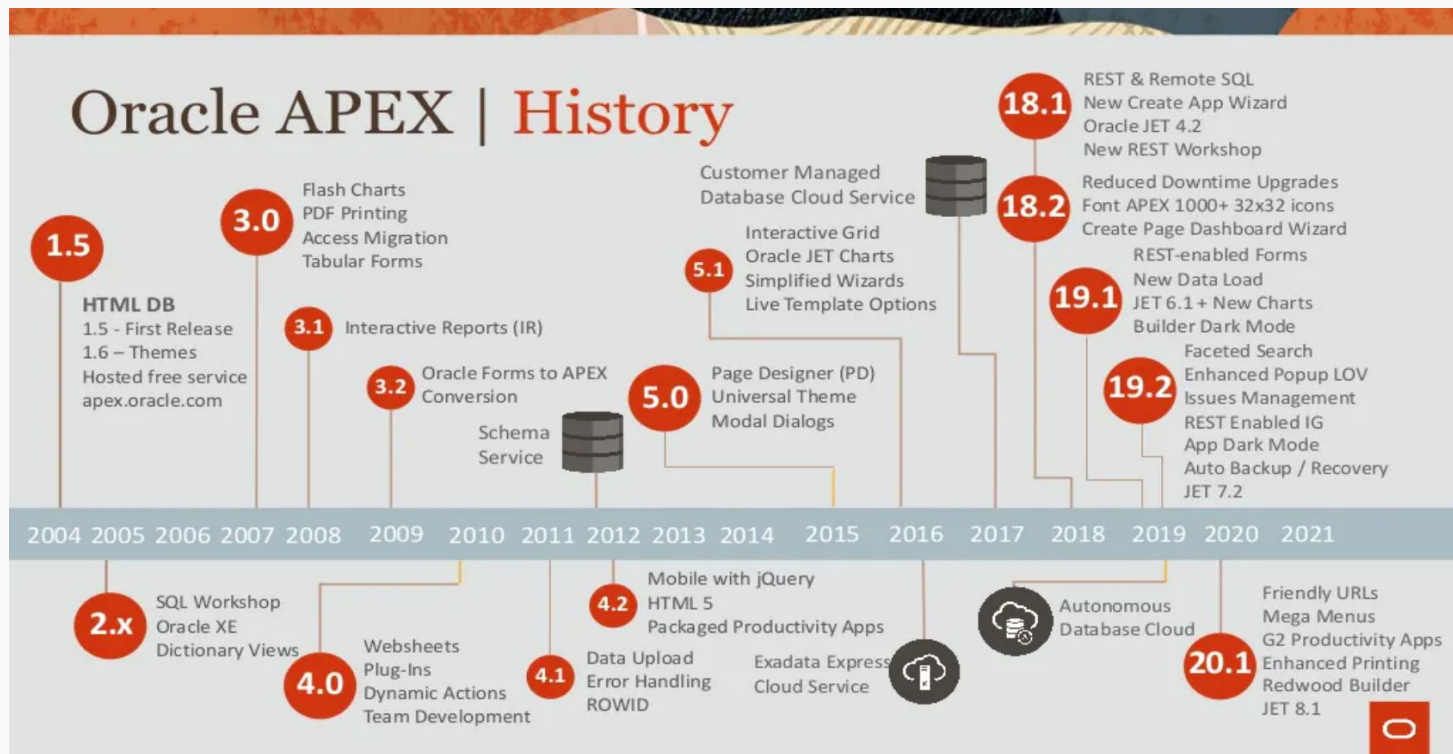
1. What is Oracle APEX?.
2. What can you develop with Oracle APEX?.
3. Characteristics of APEX.
4. APEX Architecture.
5. Development / Deployment options.
6. Getting Started with APEX.
7. Useful Links.

What is Oracle APEX?

Oracle APEX is a low-code development platform that enables us to develop responsive, scalable and secure enterprise level apps with rich features, that can be deployed anywhere.

Using APEX, one can quickly develop and deploy apps that solve real problems and provide immediate value. It is very simple to use and do not require expertise in a vast array of technologies.

Oracle APEX - History



What can you develop with Oracle APEX?

We can build a large range of applications using APEX. Some typical examples are

- Modernization of Legacy systems.
- Self service apps.
- Responsive apps that can work on any device.
- Customer / end user portals.
- ERP Systems
- Billing Systems

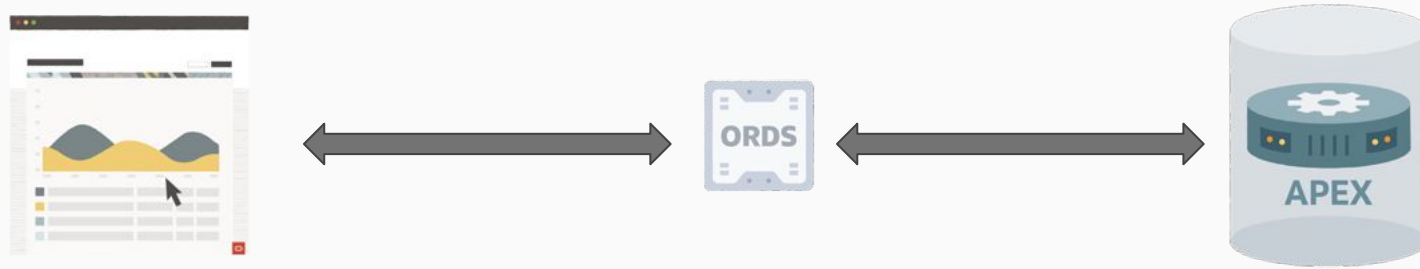
And many more based on use cases...



Characteristics of APEX

- **App Development IDE** - IDE is web based, So you simply use the URL and Web browser to access the development environment.
- No need of any client software, if you have oracle database, then you already have APEX.
- App definitions are stored in the database as a meta data.
- User interface on any device.
- **Data Sources:** Local, Remote, Rest Services.

APEX Architecture



It uses a 3-tier architecture where requests are sent from the browser, through a web server, to the database. All processing, data manipulation and business logic is executed in the database.

Web request from browser is sent to ORDS where it is handed to ORACLE DB to be actioned. Within database, the request is processed by APEX. Once the processing is done, the result is sent back through ORDS to the browser.

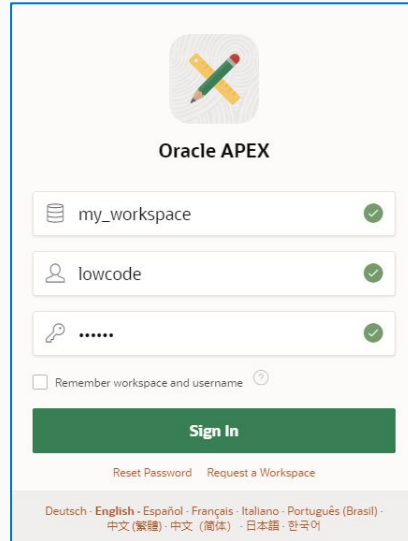
Development / Deployment Options



- **Local** - Can be installed on stand-alone laptops / PCs using Oracle Express Edition (XE) or full database version.
- **On-Premise** - Generally managed by IT department, where it is deployed on a on-premise server and can be accessed.
- **Cloud** - Deployed on cloud environment like OCI. Where it is tied up to ADB and you can directly start developing apps with ease.

Getting Started with APEX

To get started with APEX, first step is to get APEX installed or get a free workspace on <https://apex.oracle.com> by signing up for a free Workspace.



Oracle APEX

my_workspace

lowcode

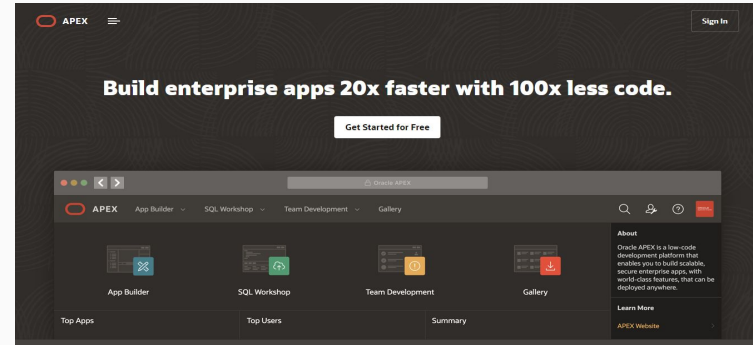
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☐ Remember workspace and username

Sign In

[Reset Password](#) [Request a Workspace](#)

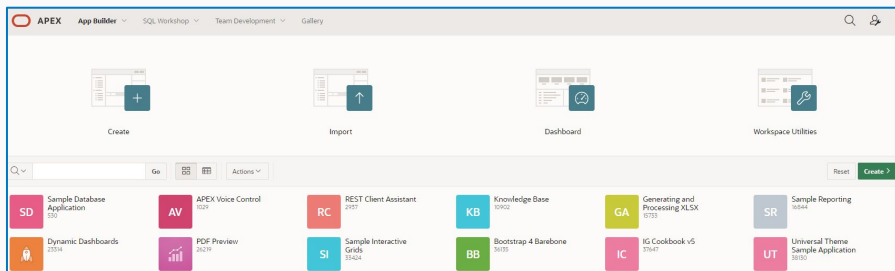
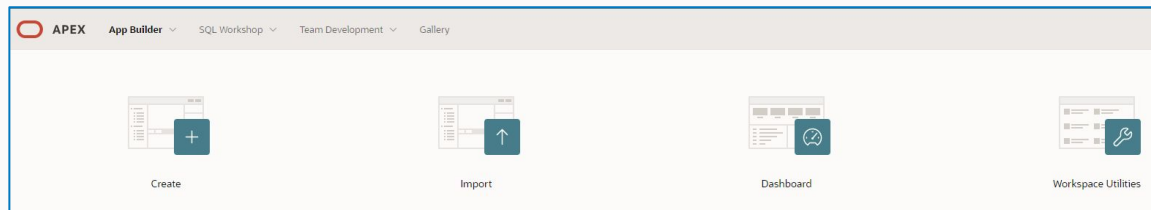
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- Enter URL
- Enter Workspace Name
- Enter Username and Password
- Click on Sign In

Getting Started with APEX

Major Components



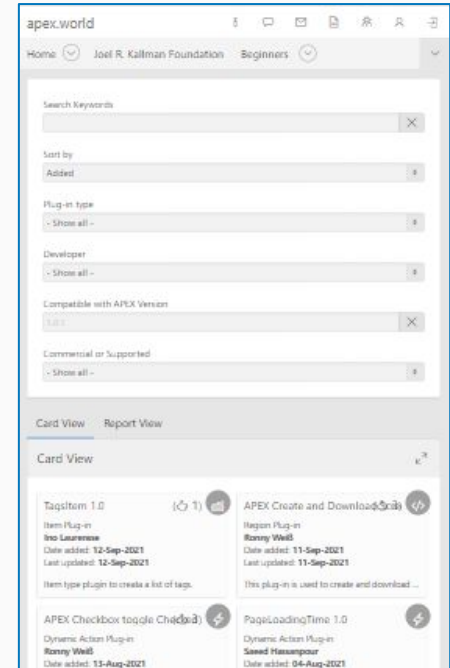
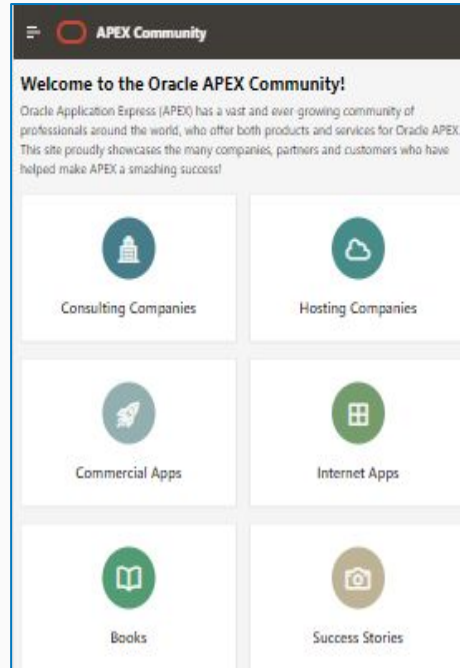
App Builder

Getting Started with APEX

The Oracle APEX Community

<https://apex.oracle.com/community>

<https://apex.world/>



Useful Links

- Free APEX Service <https://apex.oracle.com>
- Oracle Technology Network <https://apex.oracle.com/otn>
- APEX Community <https://apex.oracle.com/community>
- APEX & Lowcode <https://apex.oracle.com/lowcode>
- Quick SQL <https://apex.oracle.com/quicksql>
- Database Cloud Services <https://cloud.oracle.com/database>
- Oracle Learning Library <https://www.oracle.com/oll>
- Oracle APEX Education <https://apex.oracle.com/education>
- Oracle Cloud Free Tier <https://www.oracle.com/cloud/free>
- Oracle APEX Universal Theme Application <https://apex.oracle.com/ut>

Questions



Thanks!

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