



Application Development

- **Advanced APEX Development**

What is Oracle Application Express (APEX)?

APEX is a self contained, web application development environment. APEX is free but only works with Oracle database.

Development requires virtually no knowledge of HTML however, it is helpful when wanting to customize the layout of your pages.

An app can be built with minimal knowledge of sql and pl/sql (use of wizards).

Applications are built declaratively using SQL meaning that no code is generated or compiled.

How does APEX work?

APEX consists of an Oracle HTTP Server (apache 2.x with MOD_PLSQL) and an Oracle Database.

MOD_PLSQL allows the apache server to connect to the database without using a separate application server.

Development objects(pages, process, etc..) stored in database in apex_xxxx schema

What does the APEX Interface look like?

- **Pages**
 - **Regions – container for forms, reports, html, etc**
 - **Buttons**
 - **Items**
 - **Processes**
 - **Branches**
 - **Validations**
 - **Computations**
- **Application Level Objects**
 - **Application item**
 - **Application process**
 - **LOV**

Advanced APEX Development

Advanced Interface Features using JQuery.

Custom HTML / Cascading Style Sheets.

SQL Reports vs Interactive Reports

Writing Spreadsheet output using PL/SQL.

Using Collections

Summary

- **APEX 4.0**
 - Release date: currently in pre-production
 - Shared IR saved reports
 - jQuery and jQuery UI Integrated
 - Integrated EBS authentication
 - <http://apex.oracle.com>
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