



Oracle Application Express: Developing Database Web Applications

Hands-On-Labs Guide

Unit 1: Getting Started with Oracle Application Express



To log in to Oracle Application Express, you need a Workspace name, username, and the password created for that Workspace. In this hands-on-lab, you log in to your Oracle Application Express Workspace. Once logged in, you navigate through the major components of Oracle Application Express. This lab also covers installing and running a packaged application.

1. Log in to Oracle Application Express Workspace. Perform the following steps:
 - a) Open your browser and enter the URL to sign in to Application Express development environment. You can access the Oracle Application Express application with the URL: `http://<hostname>:<port>/apex`. Alternatively, if you have already signed up for a free Workspace on apex.oracle.com, use the URL: <http://apex.oracle.com>, then click the Sign In button (top right).
 - b) The login page appears. Enter the Workspace name, username, and password. Click **Sign In**. You may be prompted to change your Workspace password the first time you log in. This option is set when your username and password are created by the Oracle Application Express administrator. You can set your new password to be the same as your old password.

Oracle Application Express

demo ✓

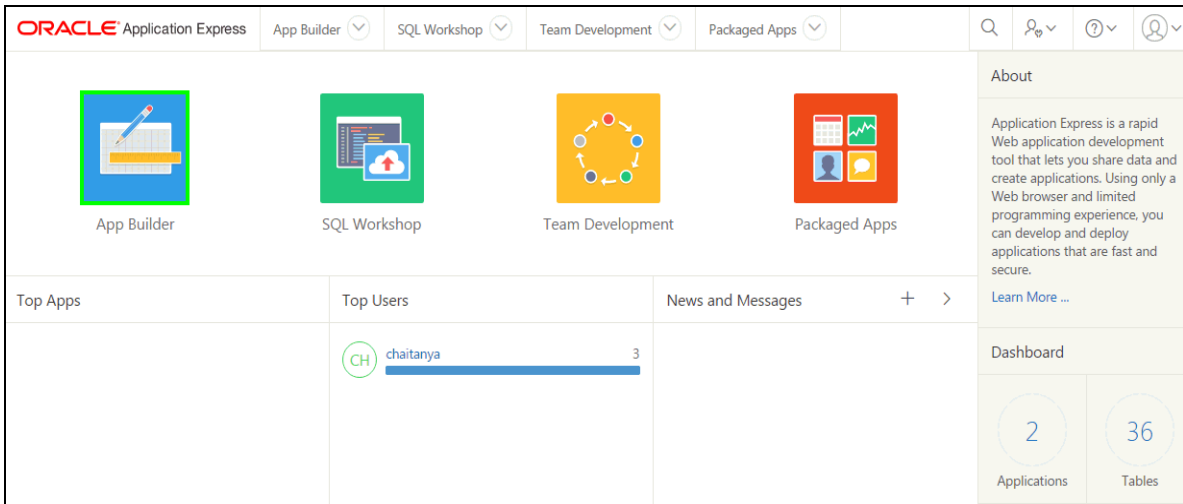
demo ✓

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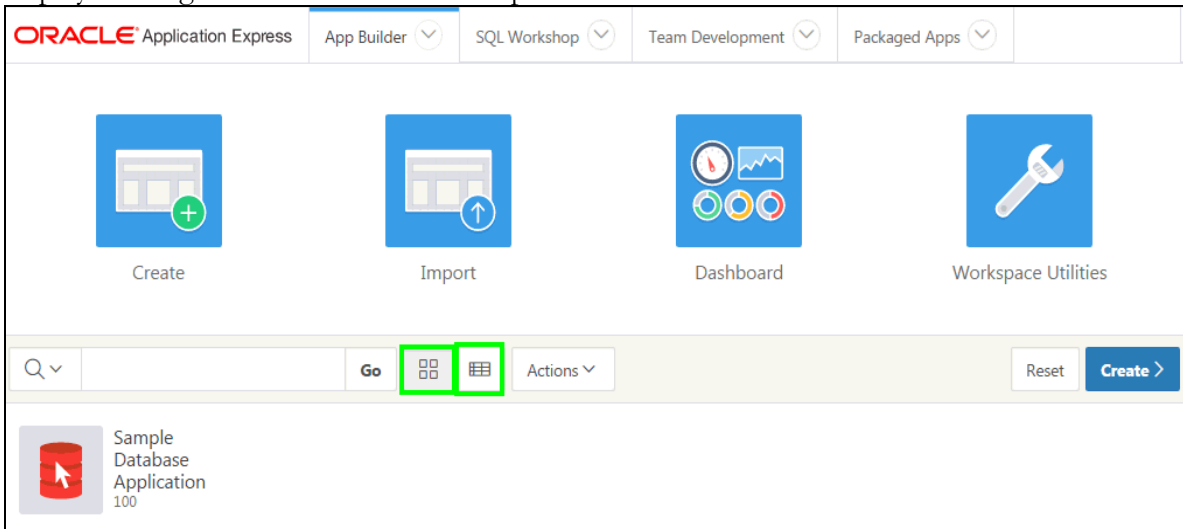
Sign In

[Reset Password](#)

2. The Workspace home page appears.
Click **App Builder**.



3. Toggle between the **View Icons** and the **View Report** buttons. You see that applications are displayed along with their icons and in report format.



4. Click **SQL Workshop**.

The SQL Workshop home page appears. Review each of the SQL Workshop components.

Application ↑	Name	Pages	Type	Updated By	Updated	Run
100	Sample Database Application	66	Packaged Application	chaitanya	5 days ago	

5. Then, click **Team Development**.

Review the Team Development components.

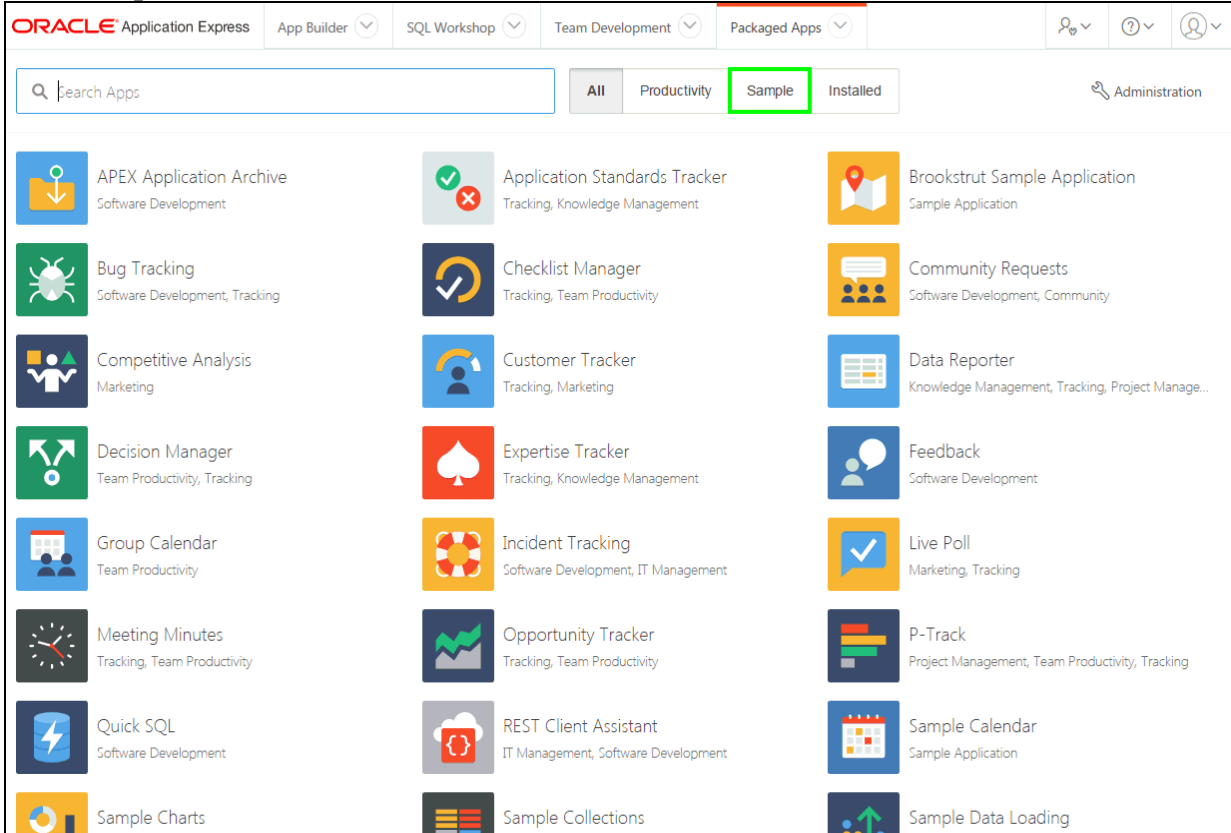
Table Name	Created	Command	Created
DEMO_DEPT	5 days ago	CREATE TABLE DEMO_DEPT AS SELECT * ...	5 days ago
DEMO_EMP	5 days ago	CREATE TABLE DEMO_EMP AS SELECT * F...	5 days ago
APEX_ACCESS_CONTROL	6 days ago	create table "EMPLOYEE_DETAILS" as ...	2 weeks ago
APEX_ACCESS_SETUP	6 days ago	drop TABLE "EMPLOYEE_DETAILS" casc...	2 weeks ago
EMPLOYEE_DETAILS	2 weeks ago	alter table "EMPLOYEE_DETAILS" drop...	2 weeks ago
USER_LOG	2 weeks ago	alter table "EMPLOYEE_DETAILS" add ...	2 weeks ago
DEMO_PRODUCT_INFO	3 weeks ago	create table "EMPLOYEE_DETAILS" as ...	2 weeks ago

6. Click **Packaged Apps**.

The screenshot displays the Oracle Application Express interface with the 'Packaged Apps' menu item highlighted in green. The dashboard is organized into several sections:

- Navigation Bar:** Includes 'ORACLE Application Express', 'App Builder', 'SQL Workshop', 'Team Development', and the selected 'Packaged Apps' menu.
- Icon Grid:** A row of five icons representing Milestones, Features, To Dos, Bugs, and Feedback.
- Summary Cards:** Four cards showing counts: 0 Milestones, 0 Bugs (with a 'View Bugs' link), 0% Features (with a 'Functionally Complete' link), and 0% To Dos (with a 'View To Dos' link).
- Feedback Section:** A section titled 'Feedback' with a right arrow and the text 'No Feedback entered.'
- Team Development Summary:** A section with five circular gauges, each showing '0' for Features, To Dos, Milestones, Bugs, and Feedback.

- The Packaged Apps page displays all of the Productivity and Sample applications. Click **Sample**.



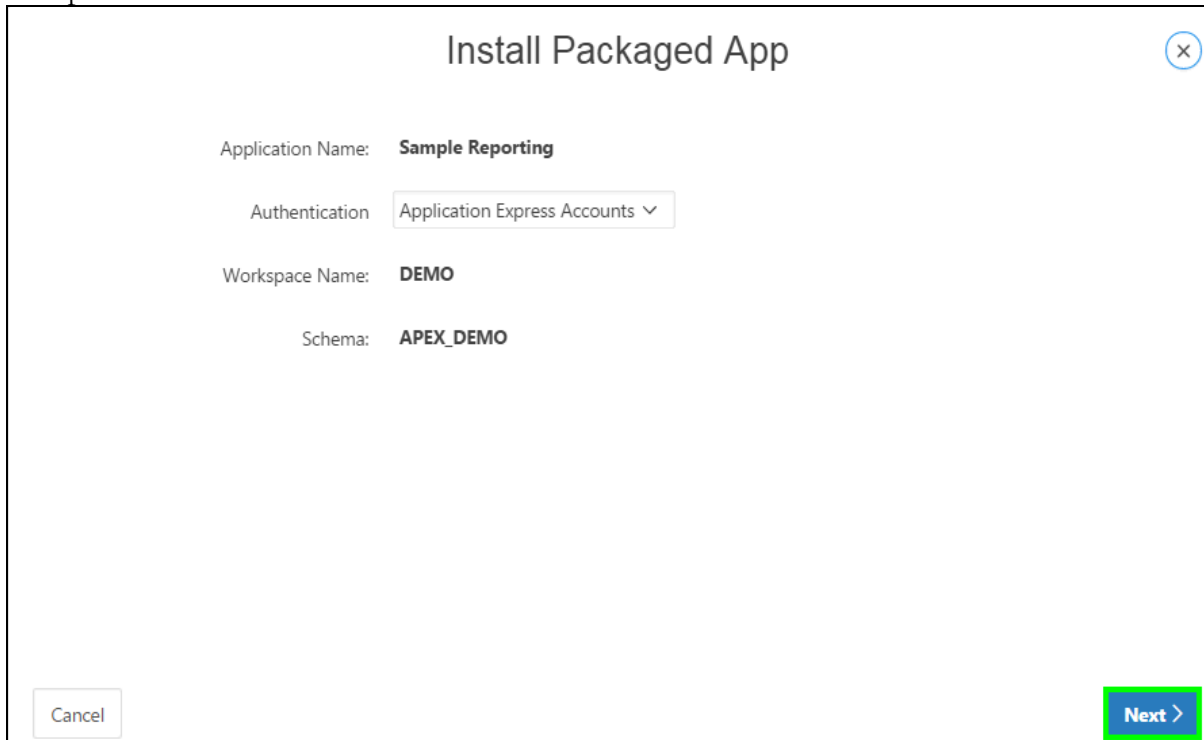
8. Now, you install packaged applications.
Click **Sample Reporting**.

The screenshot shows the Oracle Application Express interface. At the top, there are navigation tabs: 'ORACLE Application Express', 'App Builder', 'SQL Workshop', 'Team Development', and 'Packaged Apps'. Below these is a search bar and filter tabs: 'All', 'Productivity', 'Sample', and 'Installed'. The 'Sample' tab is active. A grid of application tiles is displayed, including 'Brookstrut Sample Application', 'Sample Calendar', 'Sample Charts', 'Sample Collections', 'Sample Data Loading', 'Sample Database Application', 'Sample Dialog', 'Sample Dynamic Actions', 'Sample File Upload and Download', 'Sample Geolocation Showcase', 'Sample Interactive Grids', 'Sample Master Detail', 'Sample Projects', 'Sample REST Services', 'Sample Reporting', 'Sample Trees', 'Sample Worksheet - AnyCo IT Departm...', and 'Sample Worksheet Application - Big Cats'. The 'Sample Reporting' tile is highlighted with a green border.

9. Click **Install Packaged App**.

The screenshot shows the 'Packaged App Details' page for 'Sample Reporting'. The page title is 'Packaged App Details'. The main content area features the application icon, the title 'Sample Reporting', and the subtitle 'Sample Application'. A prominent green button labeled 'Install Packaged App' is visible. Below this, there is a text block that reads: 'This application highlights the two primary reporting engines of Oracle Application Express Interactive Reports and Classic Reports. The interactive report sample pages highlight the following declarative features'. To the right of the text is a small screenshot of the 'Sample Reporting' application interface, showing a navigation menu and a main content area with several report tiles.

10. Accept the defaults and click **Next**.



Install Packaged App

Application Name: **Sample Reporting**

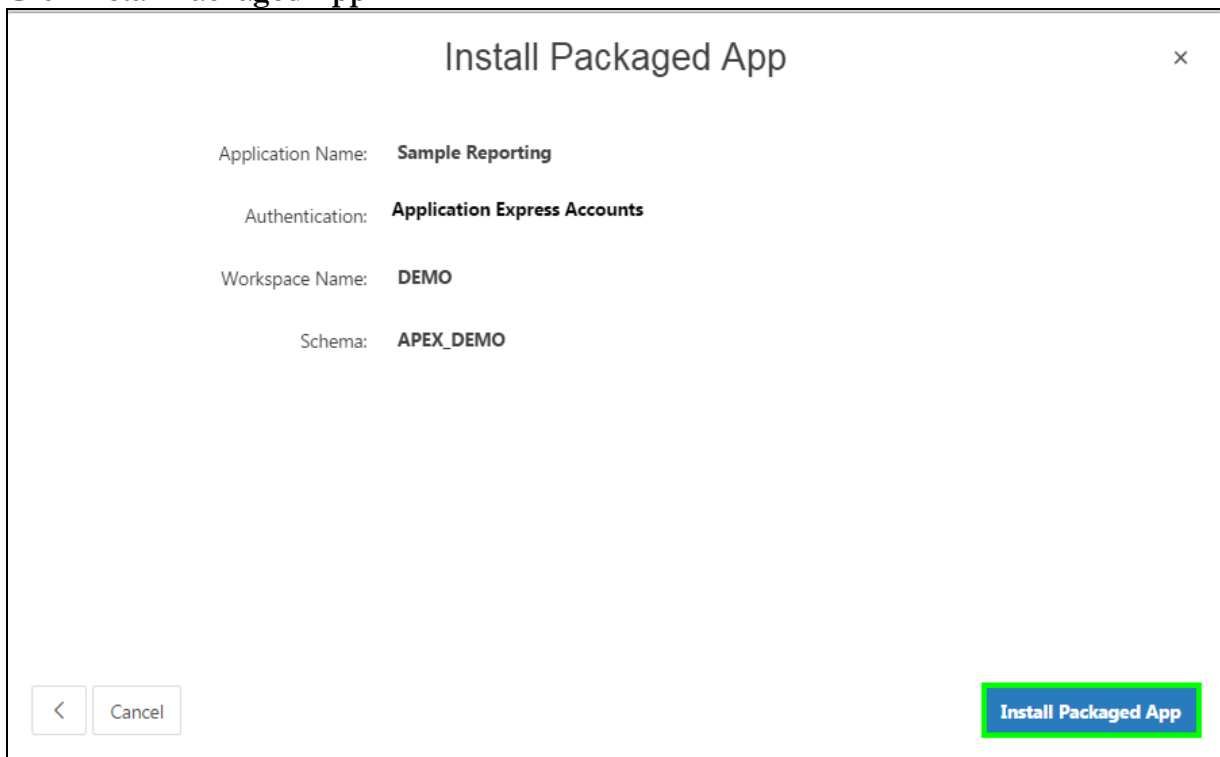
Authentication: Application Express Accounts ▾

Workspace Name: **DEMO**

Schema: **APEX_DEMO**

Cancel **Next >**

11. Click **Install Packaged App**.



Install Packaged App

Application Name: **Sample Reporting**

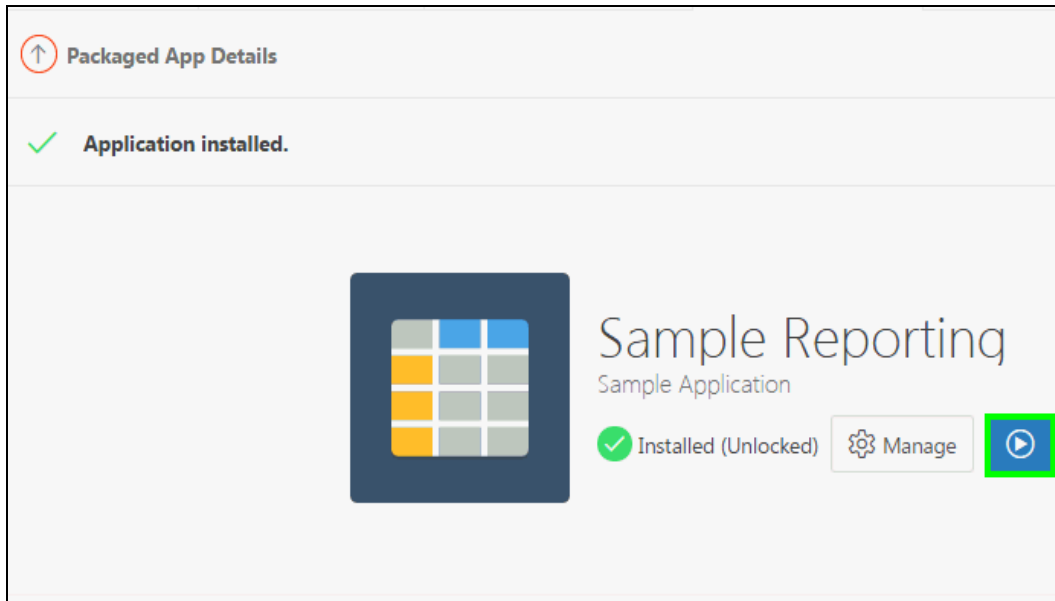
Authentication: **Application Express Accounts**

Workspace Name: **DEMO**

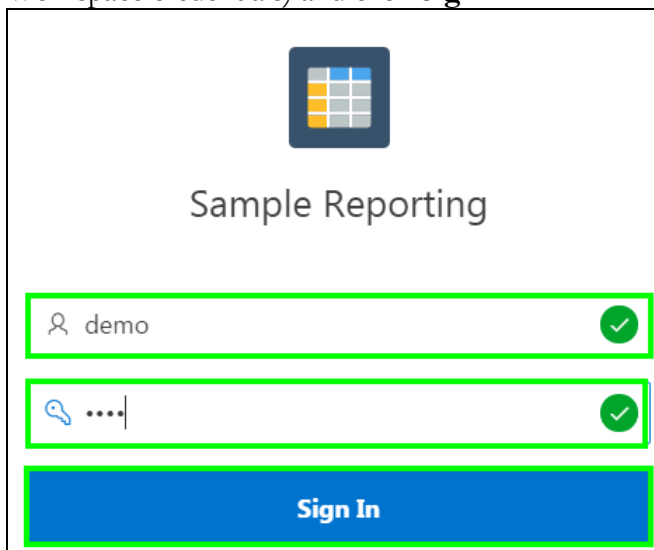
Schema: **APEX_DEMO**

< Cancel **Install Packaged App**

12. Click the **Run** button.



13. Log in to the Sample Reporting application. Enter your Username and Password (same as your Workspace credentials) and click **Sign In**.



14. You now see the Sample Reporting application home page.
In the Runtime Developer Toolbar, click **Home**.

The screenshot displays the 'Sample Reporting' application home page. The page features a blue header with the application title and a user profile 'chaitanya'. A dark blue sidebar on the left contains a navigation menu with items like 'Sample Reports', 'Interactive Grid', 'Interactive Report', 'Classic Report', 'Sidebar Filter', 'Use Cases', 'SQL Examples', 'Analytic Functions', and 'Administration'. The main content area has a title 'Sample Reporting' and a subtitle 'Demonstration of reports and reporting techniques in Oracle APEX'. Below this is a descriptive paragraph and a grid of report types: 'Interactive Grid', 'Interactive Re...', 'Classic Report', 'Sidebar Filter ...', 'Use Cases', 'SQL Examples', and 'Analytic Functi...'. At the bottom, there are social media links for Oracle OTN Forums, LinkedIn, and Twitter, along with links to Oracle Database Cloud Service, apex.oracle.com, and APEX on OTN. The bottom-most toolbar is highlighted, showing the 'Home' button (a house icon) selected with a green box, alongside other tools like 'Application 101', 'Edit Page 10', 'Session', 'View Debug', 'Debug', 'Show Layout Columns', 'Quick Edit', 'Theme Roller', and a settings gear icon.



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