

PITSS.CON APEX Assistant

Data Sheet

Oracle Forms to Application Express Migration - Easier Than You Think

Migrating legacy Oracle Forms applications to a state-of-the-art, modern technology like Oracle Application Express (APEX) can be a lot easier than most would expect. PITSS.CON offers a palette of products that assist in a successful transition to the newest technologies, preserving your company's investment in Oracle database applications.

PITSS.CON APEX Assistant will re-engineer not only the visual components of your application into modern web layouts, but also the core of the application, its business logic. In addition, the repository-based development platform PITSS.CON will analyze in a first step your entire application to free it of obsolete objects and to maximize the components reuse. This leads to the creation of a new, customized to your needs web application that fully meets the service-orientation SOA standards.

Benefits

- **Easy**, automated migration of Oracle Forms applications to APEX technology
- **Well organized and clean code**: the migrated application code artifacts will be identical to the ones that would be obtained by a manual rewrite, allowing you to easily further develop and maintain the generated application
- **No proprietary components**: the generated APEX application consists of native APEX API calls and can therefore be integrated in an existing APEX installation without importing external components into the system
- **Investment protection**: the PL/SQL business logic that has already been successfully implemented with Forms will be extracted and re-used within the migrated application
- **Guidance plus Expert-Services** for a quick and cost-effective migration. The step by step APEX Assistant approach is accompanied by generated documentation and can be supported with professional consulting services to make the migration process simple and successful.

Key Features

Modernizing Oracle Forms applications to Oracle Application Express (APEX)

The PITSS.CON APEX Assistant automates the migration of legacy Oracle Forms applications to APEX. The migration process will analyze your entire application, including Forms and Menu modules, libraries and whole database schema definitions, decomposing them into their smallest components and tracking all objects dependencies. This approach allows PITSS.CON APEX Assistant to re-engineer the application components into true Oracle APEX and Web 2.0 standards-based modern architecture, preserving the investment in the core functionality that has been developed with Oracle Forms over the years.

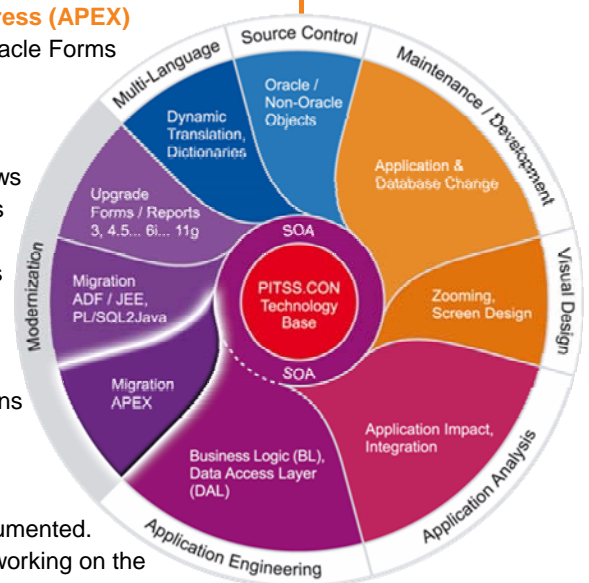
The reengineered code artifacts contain no proprietary PITSS components: the PITSS.CON APEX Assistant creates APEX applications that use only standard Oracle techniques and programming interfaces. This makes them compatible to all current APEX versions.

The result of the APEX Assistant generation process is thoroughly documented. This detailed documentation provides a great resource for developers working on the converted application. It includes the full mapping between the initial Forms application objects and the APEX generated components as well as a detailed list of post generation steps to fully re-create and modernize the application.

At-a-Glance

- Migration from Oracle Forms to Oracle APEX
- Unrivalled analysis capabilities for legacy Oracle Forms applications
- Re-uses business logic by migrating it to the database
- Service Oriented Architecture (SOA)
- Standards-based
- Easy-to-Use
- No proprietary components
- Protects your investment

PITSS.CON is Oracle endorsed for the modernization of Oracle Developer applications



Maximizing the components reuse

The PITSS.CON repository-based solution and holistic approach maximize the degree to which Forms components and object attributes can be automatically reused in the migration process.

Forms Objects	Oracle APEX 3.2 and Forms2XML	PITSS.CON APEX Assistant
Blocks		
■ Table-based	Yes	Yes, migrated to Items and Triggers
■ Control	No	
■ Master-detail	Yes, under special conditions	
Business Logic		
■ Triggers	No	Yes, Business Logic can be migrated to Computation, Validation, Process, Branch or moved to the database.
■ Program Units	No	
Variables		
■ Global Variables	No	Yes, migrated to Page Items
■ Parameters	No	Yes, migrated to Protected Page Items

Managing the Business Logic: Saving your Application Know-How and Investment

A major component of any Oracle Forms and Reports application is the business logic. PITSS.CON APEX Assistant will reuse the business logic by distinguishing the Forms PL/SQL code between user-interface, process and core logic to map these elements to the APEX architecture:

- **The user-interface specific code** can be reused to fit in the new web architecture.
- **Process and Core Business Logic** code artifacts can be transferred to the database, leading to performant, easily-maintainable PL/SQL code.

Integration with PITSS.CON Application Analysis and Application Engineering: Preparing the Re-Engineering Process

- **Application Analysis:** offers an unrivaled capacity to analyze and thoroughly understand the components and inter-dependencies of complex Oracle Forms applications, allowing the project team to re-gain control over the application.
- **Unused Objects Analysis:** finds all obsolete or unused objects, reducing the complexity and freeing the legacy application of past burdens. This allows the APEX Assistant to consider only the actively used components for the reengineering process.
- **Business Logic Assistant:** identifies the portions of code that can be transferred to the Oracle database and assists the process of code migration and re-integration.
- **Data Access Layer Assistant:** assists in exposing the business logic previously transferred to the Oracle database as Web Services, opening these functionalities to the outside world and a possible integration into a Service Oriented Architecture (SOA).



Example of an APEX module automatically migrated with PITSS.CON APEX Assistant

About PITSS

PITSS is the leading supplier of fully integrated solutions for effective management of Oracle Forms applications. The innovative PITSS.CON software helps customers analyze, migrate, upgrade, and maintain their Oracle Forms applications. With PITSS.CON, companies achieve an average cost savings of 30% for regular development projects and up to 90% for upgrade and migration projects. PITSS is an Oracle Certified Advantage Partner, Oracle Forms Migration Partner and has customers in Europe, USA, and Asia.

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