

PITSS.CON Forms to APEX

More than migration: The complete Forms to APEX solution

With PITSS.CON, Oracle Forms can be successfully migrated to APEX. The product that revolutionized Oracle Forms and Reports migration is now revolutionizing the Forms to APEX redesign. PITSS.CON is loaded with technical capabilities that make modernization projects a lot easier than most would expect. Because software migrations are always more complex than simple one-to-one rewrites, PITSS.CON re-engineers more than just visual components into modern APEX web layouts. By removing the unused components from the application and transferring and re-architecting the core business logic to the database, it opens the way to modern technologies. This approach preserves the company's investment in Oracle database applications and helps create new APEX web applications that fully meet modern requirements, Oracle best practices, and service-orientation (SOA) standards.

Investment protection with Oracle APEX and PITSS.CON

It is built in the Oracle database. It uses PL/SQL. It offers fast and secure application development. These are just a few of the reasons why Oracle Application Express has become so popular. We have found that even in complex enterprise applications, APEX is a great solution that complements other modern technologies like Oracle Forms 11g or ADF. But the most interesting fact is that the same principles that strengthen APEX applications are also the ones PITSS.CON uses to protect the software investment: maximizing reuse while minimizing redundancies.

Maximized reuse: Faster, accurate Oracle Forms to APEX migration

Even though Forms and APEX have significant architectural differences, there are still a considerable number of Forms components that can be automatically redesigned to APEX. PITSS.CON Forms to APEX uses a repository approach that parses all application objects and tracks their dependencies. PITSS.CON re-engineers the application afterwards into the desired Oracle APEX and Web 2.0 standards-based architecture. This approach maximizes the degree to which Forms components can be reused in the migration process, so that the development is targeted at non-routine tasks such as application fine-tuning, enhancement, and technology integrations.

Managing the entire application: All the modules – Libraries – Databases

PITSS.CON is perfect for redesigning Forms, no matter how complex they are. It scales from small pilot migrations up to redesigning thousands of modules at once, including related libraries and database objects. It is the only product on the market with an integrated approach that includes redundancy cleaning, code optimization, and migration of Forms business logic to the database.

100% pure Oracle APEX: No proprietary components

PITSS.CON generates APEX applications consisting of standard Oracle techniques and programming interfaces (APIs) that are free of any proprietary components or unnatural constructs. This makes them compatible with all current APEX versions. It all means that new modules can be integrated into an existing APEX installation without importing external components into the system, so that the new APEX modules can be developed, upgraded, and maintained in years to come.

PITSS.CON Data Sheet

Technology Base
Development
Visual Design
Multi-Language
Application Analysis
Application Engineering
Forms to APEX
Forms to ADF
Forms Upgrade
Source Code Analytics
Source Control

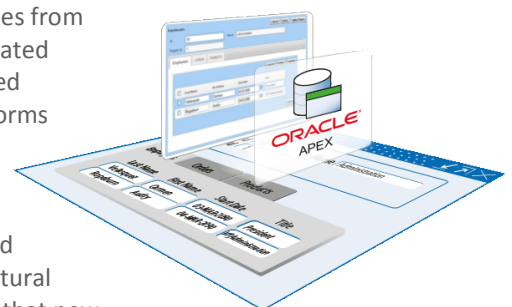
▶ **Speed up the Forms to APEX** redesign to a fraction of the time required by manual conversions.

▶ **Generate pure Oracle APEX** artifacts, without any non-Oracle proprietary components.

▶ **Adapt to APEX architecture**, adjusting page navigation and transaction management.

▶ **Document the migration** process, easily prioritizing and managing the redesign steps.

▶ **Assess the migration effort** accurately, down to individual modules and project phases.



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

PITSS.CON Forms to APEX Assistant at a glance

PITSS.CON uses a repository approach to load, parse and reengineer entire Oracle applications. In this process, all input sources are decomposed, using native Oracle API, into metadata information and business rules and they are then stored and managed in PITSS.CON Oracle database schemas. More than ten years of upgrading, reengineering, migrating and modernizing thousands of customer applications have continuously improved the PITSS.CON parsing and reengineering engines to near perfection.

After the parsing, analysis and preparation phase, the PITSS.CON APEX migration reengineers and recreates the application using the native Oracle APEX API. The process ensures 100% consistency and standards compliance for the resulting source code. The same development steps that would be used in manual reengineering projects are automated in this process, while reducing the risks and errors that are typically associated with a manual migration.

	Oracle Forms Object	Converted with PITSS.CON 12 Forms to APEX Assistant	
Blocks	Based Blocks	Yes	Most Forms objects can be automatically translated to APEX. Manual fine-tuning is typically needed to adapt the application transaction model and navigation flow to the APEX architecture.
	Control Blocks	Yes	
	Master-Detail Relations	Yes	
Block Items	Text	Yes	The generated documentation includes a full mapping between the initial Forms application objects and the APEX-generated components (Object-Mapping) as well as a detailed list of post-generation steps to completely modernize the application.
	Display	Yes	
	Button	Yes	
	Check Box	Yes	
	List	Yes	
	Radio Group	Yes	
	Tree	Yes	
	Image	Yes	
	Java Beans	No (most are obsolete in APEX)	
Other Objects	Alerts	No (manual redesign)	
	Canvases	Yes	
	Editors	No (not customary for web)	
	LOVs	No (manual redesign)	
	Parameters	Yes	
	Popup Menus	No (manual redesign)	
	Windows	Yes	

PITSS.CON:

- ▶ Creates pure APEX applications, which can be directly imported into any APEX installation and are easy to maintain and further develop.
- ▶ Keeps track of all application sources and their dependencies during the migration.
- ▶ Offers an easy, step-by-step approach:
 - prepare the application
 - migrate
 - import into APEX
 - fine-tune
 - execute
- ▶ Documents the application and migration steps thoroughly.
- ▶ Integrates the new APEX modules with existing Forms and Reports applications (Co-existence).
- ▶ Supports the process with professional consulting and training sessions, tailored to specific needs.

About PITSS

PITSS is the leading provider of software & services for modernizing and effectively managing Oracle applications.

The PITSS Group was established in 1999 and has gained international recognition with over 1,000 customers and a multitude of successful Oracle projects. PITSS is an Oracle Gold partner and, as a member of the Oracle Modernization Alliance (OMA), is the only Oracle Forms Migration partner for automated migrations. With sites in Stuttgart, Munich (Germany) and Troy (USA) as well as certified international partners, the company successfully provides support for IT projects of medium sized companies, large enterprises and public contractors across the globe.

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