

PITSS.CON Forms to ADF

Just as safe and much faster than a handmade rewrite

PITSS.CON makes possible successful migrations from Oracle Forms to the Oracle Application Development Framework (ADF). Based on PITSS.CON's analysis and reengineering power, the Forms to ADF Assistant is uniquely equipped to support the migration of enterprise Oracle Forms applications to the Oracle ADF and JEE architecture. Next-generation technologies, such as ADF Business Components and JSF/ADF Faces, will bring the application into the 21st century in a guided process that protects the investment of the core functionality developed in Oracle Forms over the years.

Know-How "to go"

PITSS.CON combines research, years of experience, innovation, and practical solutions for diverse migration projects in an easy-to-use product with ingenious methodology. Its ADF Assistant facilitates a productive combination of automated processes and human decisions in implementing core redevelopment tasks, increasing the modules' reuse of components, and laying out a consistent architectural basis for the entire application. Thus, learning becomes part of the process, allowing the development team to understand and use the technology from the very beginning to prepare the application for tomorrow's business needs.

Phased approach for enterprise applications

Oracle's statement of direction recommends a phased transition of legacy Forms applications to JDeveloper and ADF. To accomplish this transition, PITSS.CON considers all application components from a global perspective, including all of their dependencies and associated technologies. By implementing practical, flexible solutions and service-oriented hybrid architectures, PITSS.CON takes advantage of both Forms and ADF 11g sweet spots and minimizes the risks associated with any migration project.

Cost-effective, automated solutions to protect the investment in Oracle Forms

PITSS.CON automation processes have been thoroughly tested and optimized in mid-sized and large migration projects at PITSS. This guarantees that the source code resulting from a PITSS.CON migration is identical to a manually developed one, fully complying with Oracle's best development practices and JEE SOA-recommended architectures.

Productivity boost at no hidden costs

No PITSS-proprietary artifacts are added to the migrated application during the reengineering process, since the entire redevelopment uses pure standard Java and ADF components.

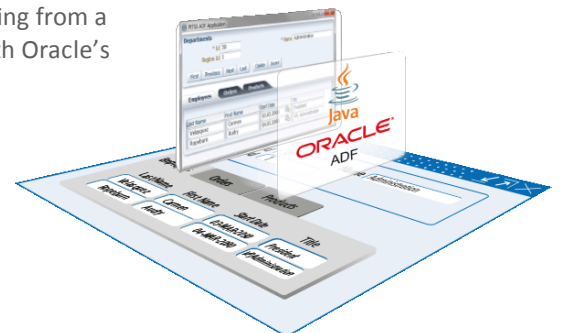
State of the art ADF architecture

Oracle ADF 11g is a mature, robust, and complete environment able to sustain even the most complex business needs. It complements Oracle Forms applications with excellent connectivity, web and mobile deployment, and a modern web-user interface. Migrating to ADF can start today with a process specially designed to ease the technology transition, reduce costs, minimize risks, and prepare your development team for the future.

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

- ▶ **Migrate quickly and safely** complex Oracle Forms applications to ADF and JEE.
- ▶ **Get accurate time estimates** down to each individual module and project phase.
- ▶ **Take architectural decisions** flexibly, according to business needs, strategies and skills.
- ▶ **Implement SOA principles** increasing the reuse ratio and designing a clear architecture.
- ▶ **Refactor to standards-based,** native Java and XML code, free of proprietary components.



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

PITSS.CON Forms to ADF Assistant at a glance

Using a unique repository approach, PITSS.CON parses and reengineers the entire Oracle Developer application. All application sources are de-composed using Oracle's own API into metadata information and business rules and then stored and managed in an Oracle database. Parsing and engineering engines have been perfected over the last 10 years, being used in upgrading, migrating and modernizing thousands of Developer applications. The migrated application is recreated using native API, which ensures 100% consistency and standards-compliance for the resulting source code. The process automates the exact development steps that would be used in manual reengineering projects but reduces the risks and manual errors that are typically associated with them.

| Conversion Degree | | |
|-------------------|------------------|--|
| Data Model | Fully automated | 'Handmade' architecture for the entire application. |
| User Interface | Partly automated | Relevant objects are converted. |
| Business Logic | Partly automated | Optional migration of PL/SQL to DB, Java or manual redesign. |

| | Oracle Forms Object | Converted with PITSS.CON 12 Forms to ADF Assistant | |
|---------------|-------------------------|--|--|
| Blocks | Based Blocks | Yes, all data sources Yes Yes, to any depth | Most Forms objects can be automatically translated to ADF. A 1-to-1 conversion is not possible, because of the architectural differences between Forms and Java. This is why manual fine-tuning is typically needed to adapt the business logic to Java ADF standards. The generated documentation includes full mapping between the initial Forms application objects and the ADF-generated components as well as a detailed list of post-generation steps to fully recreate and modernize the application. |
| | Control Blocks | | |
| | Master-Detail Relations | | |
| Block Items | Text | Yes | |
| | Display | Yes | |
| | Button | Yes | |
| | Check Box | Yes | |
| | List | Yes | |
| | Radio Group | Yes | |
| | Tree | Yes | |
| | Image | Yes | |
| | Java Beans | No (most are obsolete in ADF) | |
| Other Objects | Alerts | Yes | |
| | Canvases | Yes | |
| | Editors | No (not customary for web) | |
| | LOVs | Yes | |
| | Parameters | Yes | |
| | Popup Menus | No (require manual redesign) | |
| | Windows | Yes | |

PITSS.CON:

- ▶ Creates a natural target architecture and an application that looks "handmade" and is therefore easy to maintain and further develop.
- ▶ Considers during migration the entire application as a whole, not just as disparate modules.
- ▶ A typical output of a migration process would consist of folders containing Java, XML and documentation files:
 - Java Classes:
 - JAVA Files
 - Business Components:
 - XML Files
 - Configuration:
 - XML Files
 - Task Flows:
 - JSF Pages
 - Project Definition:
 - JPR Files
 - Application Definition:
 - JWS Files
 - Documentation:
 - LOG Files
 - Bundle Properties:
 - PROPERTIES Files.
- ▶ Generates ADF applications that are free of proprietary components and can be, therefore, directly opened and executed within any Oracle JDeveloper installation.

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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