

PITSS.CON Development

Intelligent reengineering for Oracle Forms and Reports

PITSS.CON Development (PITSS.CON MD) accelerates the software design and changes for Oracle Forms and Reports applications. For this purpose, PITSS.CON MD provides intelligent, model-based re-engineering processes that considerably reduce the development team's efforts: automated mass change capabilities such as one-click changes, additions, deletions, and replacement of application components, code, and properties will shorten the development, maintenance, and upgrade processes. At the same time, the application quality increases, allowing Oracle Forms to easily adapt, evolve, and prepare for the future.

One-Click development: Processing thousands of Forms in a matter of seconds

Managing Oracle Forms and Reports applications implies undertaking frequent repetitive tasks for hundreds of modules. What was once considered to be labor intensive and routine is now performed in just a few steps with PITSS.CON. This applies, for example, to tasks such as applying common visual attributes, format masks, or currency alignment standards to all (or a subset) of an application's items. Even attaching Java components to date fields leads to huge reductions in development time. Complex changes can be saved and then re-applied whenever needed. And it is not solely about reducing the working time: PITSS.CON eliminates the errors typically associated with large-scale manual changes.

Program comparison: The diff () command for Oracle Forms

Comparing program code is used for documentation processes, code review, or acceptance of changes and is an important method of quality assurance. It is, however, an extremely time-consuming activity that often receives insufficient attention. For the tedious process of manually testing thousands of objects, properties, and lines of code, there is nothing better than automation. PITSS.CON accomplishes this task based on repository-driven analysis. Even the smallest changes are detected and displayed or printed in comprehensive reports. This code comparison functionality can be applied to any type of file from an Oracle application, from simple ASCII files (such as PL/SQL, Java, and C) up to complex Forms, Reports, Menus, and libraries. No other tool is as fast, comprehensive, and accurate as PITSS.CON. PITSS.CON creates all the best conditions for Oracle applications projects and successfully carries out their entire implementation.

Quality assurance: Rule-based automated code review and targeted testing

The best way to ensure an application's long-term viability is to increase its software quality. Quality improvement measures will pay off through reduced maintenance costs as well as faster upgrades and migrations. PITSS.CON comes with a palette of easy-to-apply quality assurance solutions: development rules, such as best coding practices, can be defined as PITSS.CON templates and then applied to all application sources. From Forms objects and properties to database-stored code, all components are scanned and automatically corrected, and any mismatches are reported. Targeted testing means testing only the precise areas of an application that are affected by a specific change. This improves and expedites the overall testing process. Additional application engineering processes, such as cleaning the unused objects and consolidating the business logic, will further simplify and prepare your applications for 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

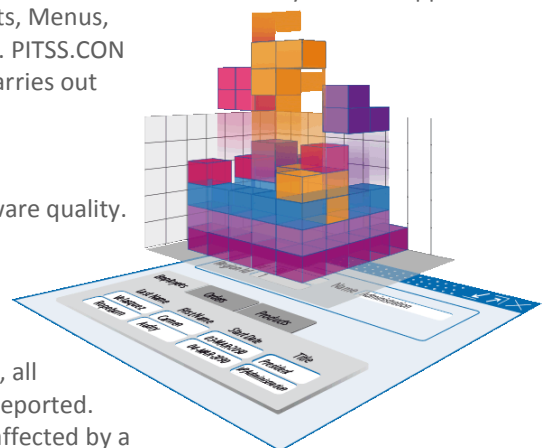
► **Speed up Forms development** performing similar tasks for thousands of modules at once.

► **Reduce maintenance cost** by simplifying the application and increasing its code quality.

► **Compare Forms or Reports** modules, identifying all the differences among file versions.

► **Improve and expedite testing** by targeting test processes at the areas affected by change.

► **Enforce coding conventions** for greater consistency and efficiency in Forms applications



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

PITSS.CON Development at a glance

PITSS.CON Development enables developers to greatly reduce the usual manual efforts involved in working with Oracle database applications. Mass development as well as very specific operations can be performed automatically on any number of modules at once.

Examples of PITSS.CON Development Features

▶ Searching and replacing de-supported function or procedure calls

Unlike Forms Builder, PITSS.CON is able to perform this process across an unlimited number of Forms modules, libraries or reports and can also adjust function and procedure calls and their arguments in only one step. For example, it can add the ALERT_MESSAGE_TEXT argument when replacing the Forms9i-obsolete built-in, change_alert_message, with its modern equivalent, set_alert_property.

Search Text
change_alert_message

Replace Text
set_alert_property (ARG#1#, ALERT_MESSAGE_TEXT, ARG#2#)

Matches In Menu Modules Source Code: 13/1033

MMB Matches In Form Modules Source Code: 995/1033

custor Form Matches In Object Libraries Source Code: 25/1033

adf60h OLB

pitss_con_standard_lib

| Module Owner | Object Type | Object Name | Line |
|--------------|--------------|-------------|------|
| 1 P1_SUMMIT | PACKAGE BODY | PAC_DAL | 19 |
| 2 P1_SUMMIT | PACKAGE BODY | PAC_DAL | 37 |
| 3 P1_SUMMIT | PROCEDURE | PITSS_MESS | 26 |

▶ Changing properties

Over an entire application, such as altering the background color for all canvasses in order to instantly modernize the application's look and feel.

▶ Comparing two modules

Displaying in detail the different objects and their changed properties:

Object or referenced object

- is only available in one module
- has different properties
- has different source code
- has different properties and different source code

Property Name < Property Value as

| Property Name | Property Value |
|---------------|----------------|
| Height | 16 |
| Width | 120 |
| X Position | 32 |
| Y Position | 110 |

Property Name > Property Value

| Property Name | Property Value |
|---------------|----------------|
| Height | 25 |
| Width | 134 |
| X Position | 45 |
| Y Position | 73 |

PITSS.CON MD:

- ▶ Reduces the on-boarding time for new developers through analysis and documentation.
- ▶ Allows through rule-based automated code review to implement the same development practices across geographically distributed development teams or with external partners.
- ▶ Offers an intuitive interface, similar to that of Oracle Developer.
- ▶ Can save development operations as custom templates, so that the desired process to be reapplied, similarly to a macro, to other applications or objects.
- ▶ Can also define batch processes to regularly perform maintenance steps.
- ▶ Can export all results as comprehensive PDF, XML, HTML, or TXT reports to be included in the software documentation.
- ▶ Contains predefined templates that solve most migration challenges.

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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