

PITSS.CON Source Code Analytics

The bare facts and data behind successful Oracle decisions

With PITSS.CON Source Code Analytics (PITSS.CON SA), the necessary relevant information for strategic Oracle Forms decisions is available from the very beginning of a project. Because deciding on the best strategy for business-critical applications often takes more than intuition, PITSS.CON includes Source Code Analytics as the platform for Oracle Forms, which underpins decisions with facts. Meaningful reports and detailed statistics reveal every relevant piece of information needed to back up strategic decisions. Fully automated and easy to use, these results deliver continual and objective reviews of the quality of an application, enabling active risk management, significant improvements, and considerable cost reductions.

Decision-making basis for Oracle Forms and Reports

Whether selecting the future architecture for the application, considering a smooth integration with external elements, or simply analyzing the development quality of program modules, PITSS.CON Source Code Analytics is the sound decisioning framework that puts facts and data behind the right choices. Making amazing things simple requires cutting-edge technologies: Source Code Analytics is based on PITSS.CON's comprehensive repository and specific parsing capabilities, which give a thorough analysis of all levels of a complex Forms and Reports application. The resulting raw data is processed into statistical information and visual representations. This leads to a clear understanding and accurate assessments of any upcoming changes to the Oracle applications.

Comprehensive management reports make the invisible visible

Management reports provide ideal, application-specific summaries. They are available anytime with just one mouse click and offer a current overview, the equivalent of a health check for the Oracle investment. Such reports are a must when embarking on a new project in order to understand the starting situation and estimate the project needs. The progress of work after each development phase can be proactively measured against a set of standard performance indicators. What once was hidden project insight now easily comes to light.

Realistic cost estimation through simulation engines

Manually estimating the effort and impact of change requests can be a very difficult task for enterprise Forms and Reports applications. Not so with PITSS.CON SA: its deep-parsing mechanisms with resulted dependency analysis provide accurate estimates that put man-hours behind development tasks or individual modules.

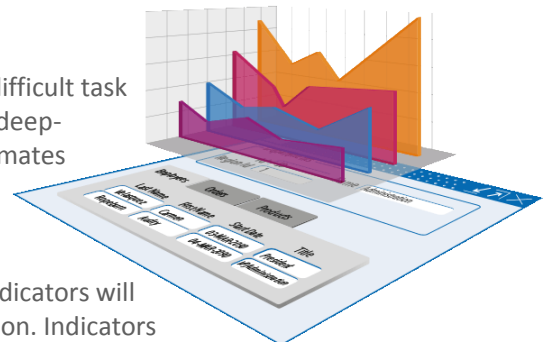
Quality and Performance indicators

Quality can be measured. A carefully selected set of standard performance indicators will provide valuable information about the quality and complexity of an application. Indicators such as "most used objects," "number of lines of code," or "code comment ratio" can detect problem areas and make progress measurable. Having a better understanding of the nature of an application allows managers to reduce maintenance and costs. The value of the application can be increased, thus bringing it to a far better position to migrate to technologies like Oracle ADF/JEE, APEX, or any other user interface.

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

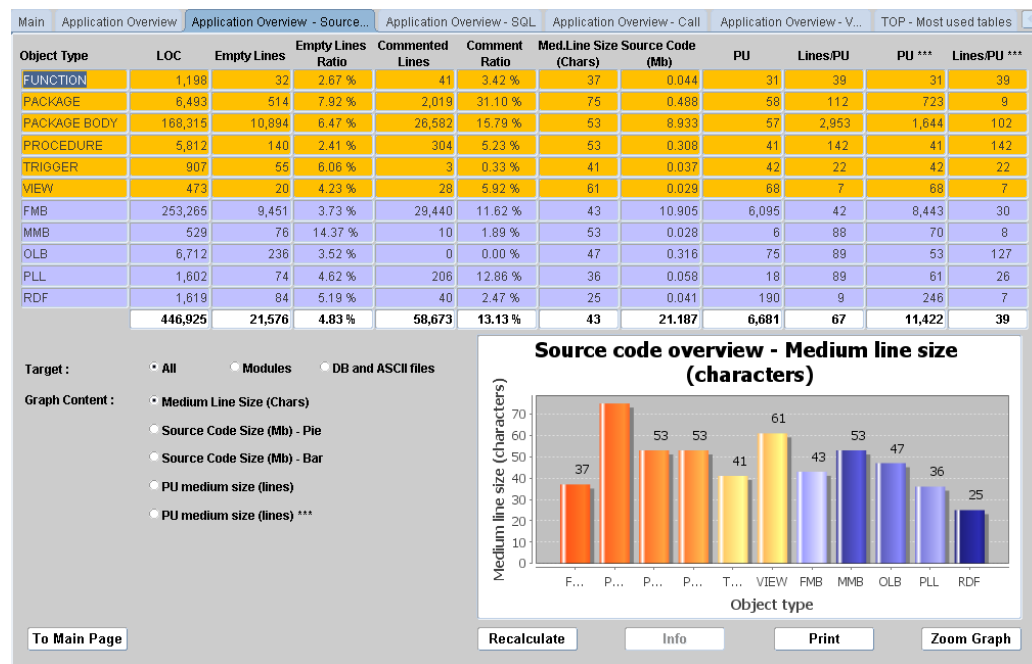
- ▶ **Get a quick insight view** into entire Oracle Forms and Reports applications.
- ▶ **Take strategic decisions** based on the real facts and data of your Oracle investment.
- ▶ **Control the design quality** using a standard set of performance indicators.
- ▶ **Visualize the architecture** from different angles and evaluate redesign scenarios.
- ▶ **Perform impact analysis** and accurately estimate the costs and results of an action



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

PITSS.CON Source Code Analytics at a glance

Source Code Analytics is a management tool designed to give a quick and comprehensive understanding of a Forms and Reports application. All application elements are loaded into the PITSS.CON repository: FMB, PLL, OLB, MMB and RDF modules, database objects, SQL scripts and external components such as embedded SQL in C, C++, ProC or Java. Metadata and detailed statistical data such as "Number of program units" or "Number of lines of code per object" are computed using a powerful parsing process that considers all the dependencies on objects and code components. Recognized software metrics as McCabe, Halstead, etc. allow an objective assessment and lead directly to the source of the problem. The development team quickly gains back control and can in no time improve the quality and thus the value of the application. Any modernization process can thus be measured against a set of key performance indicators.



PITSS.CON SA:

► offers a variety of graphics and visual representations in order to convert the raw, highly technical data constructs into simple information that is useful in the decision-making process

The Application Overview

can be generated for different application areas.

The Application Overview screenshot (left) displays the source code distribution and related quality indicators:

- Business logic contained in:
 - FMB, MMB, PLL, OLB and RDF modules
 - Database functions, procedures, packages and triggers

- Some example quality indicators are:
 - Average program size
 - Medium line size
 - Comments per line of code (Comment ratio)
 - Naming conventions
 - Programs usage
 - Global variables usage
 - Table usage
 - Dead code percentage
 - Redundant code
 - Error handling
 - Quality metrics such as McCabe and Halstead

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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