

REPORTS REPLACER KIT

Replace Oracle Reports
quickly and easily.





Specification

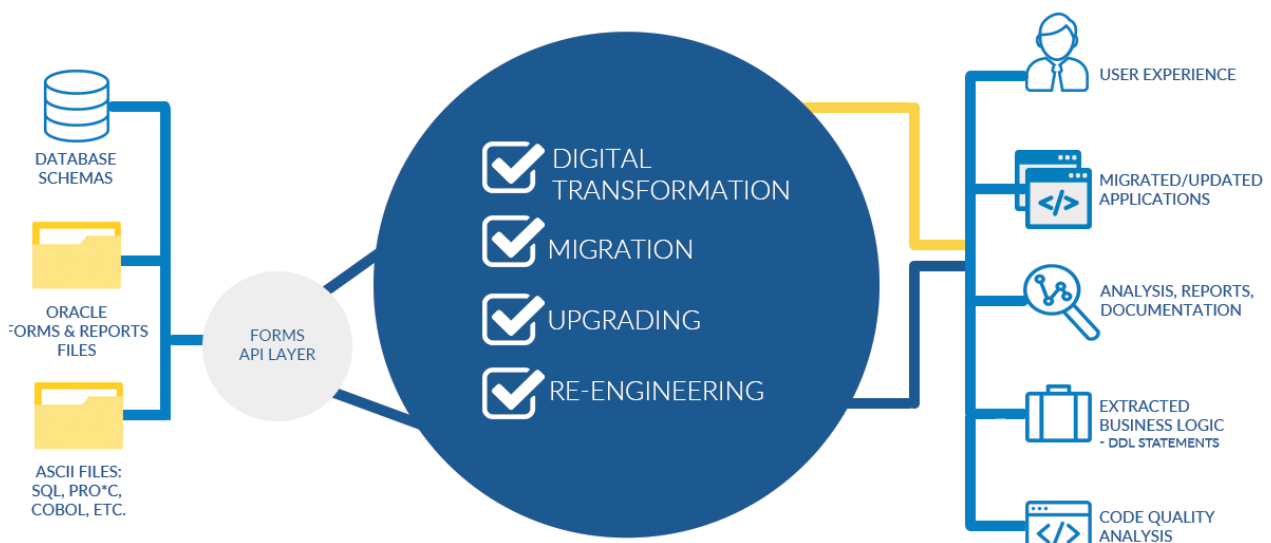
The Report Replacer Kit takes over the migration of Oracle Reports into a new target technology, such as Oracle BI Publisher. You can choose between a pixel-identical migration and a migration with newly integrated features or an improved layout. The investments made in the old reports are retained. New, modern functionalities—in particular for BI Publisher, such as a modern UI or flexible report formats (Excel, HTML, pdf, rtf, doc)—can be easily and automatically integrated.

The Reports Replacer Kit also comes with project management functionalities. It can simplify decision-making on the target technologies by allowing them to be tried and tested before the actual migration is performed. Thanks to the guided step-by-step procedures for the entire migration process as well as special controlling mechanisms for budget and project planning, the Reports Replacer Kit minimizes risks and provides high planning security.

The largest and most sustainable added value is provided by the Reports Replacer Kit through the revision of the architecture. The tool is able to break down reports and transform them into a clean and consistent architecture that meets new, modern needs. This sets up the option for a fundamental architecture, with no necessary improvements, if the customer would like to go beyond simple document creation into a world of Business Analytics.

COMPONENTS

Repository





REPORTS REPLACER KIT

The heart of the Report Replacer Kit is a repository, in which every single property and every single line of the original reports are stored. In this repository, all the necessary analytics, artificial intelligence on the source code, and new generation takes place. Beside the reports, all database objects likely to be consumed by the reports, like tables, views, function, etc., are loaded in addition, to allow deep dependency checks and to facilitate refactoring into a future save architecture.

Parser

The Replacer Kit is based on a specially written PL/SQL Parser for Oracle Reports and database objects. With this, the repository is able to deeply understand each SQL-Statement and each line of PL/SQL code even, if this unit is written in a Library, a report, or as a format trigger or inside the database. The results of the parser are fundamental for the helpful preparation phase to remove unused code, to reduce duplicate code, and to move duplicate queries into a shared data model for BI Publisher. More than this, the reuse of DML intensive or complex Units can be moved into the database, to reuse them in BI Publisher.



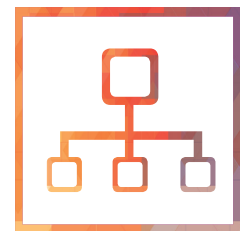
Code
Analysis



Code
Reengineering



Code
Documentation



Exact Business
Logic

Analyzer

Oracle Forms and Reports applications of all sizes and levels of complexity can be quickly and accurately analyzed with our static code analysis tool, allowing organizations to take the guesswork and risk out of application development and migration. Using Oracle's own API and the analytical power of its centralized data repository, our static code analysis tool performs a fast, detailed review of even the most complex and comprehensive applications.

The results can be used for performing powerful simulations, sophisticated research, and comprehensive reporting. This type of in-depth insight applies at every level, from the day-to-day operations to large-scale code re-engineering and Reports migration projects. This allows development teams to better understand the connections and implementation requirements, ensuring that your investment in Oracle Reports applications will continue to pay off in the decades to come.



Migration

The Reports Replacer Kit allows clustering Oracle Reports in the preparation phase. The cluster could be advised from the Kit either by analyzing the dependencies to the data model (same data -> same cluster) or by analyzing the calling interface from Oracle Forms (called by the same forms cluster -> same reports cluster).

Clustering the Reports before moving to BI Publisher allows picking the best practice for foldering, shared data models, and security inside Oracle BI Publisher.

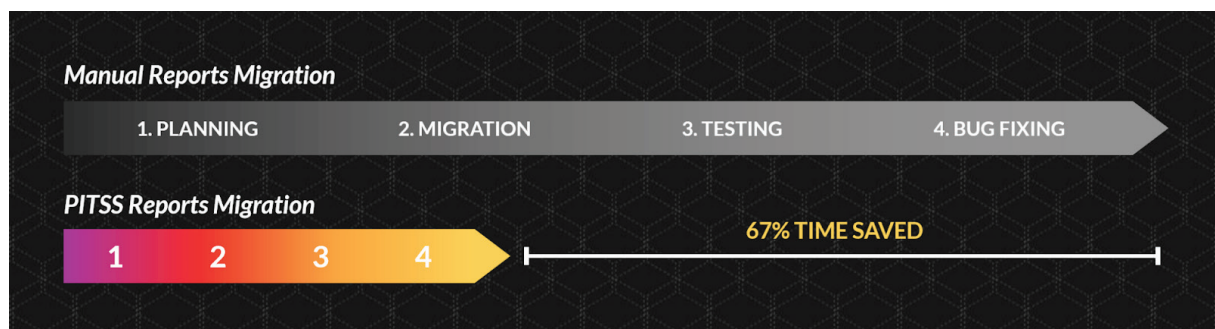
During the migration step, the Replacer Kit transforms the Oracle Reports into a BI Publisher report format, including the format trigger, the folder structure, and layout templates for the online Builder and Word.

The capabilities of the previous described parser allow transforming most of the format triggers from PL/SQL to XSL-FO.

After the migration, the results are ready to deploy via simply copying the appropriate folders on to the BI Server

Dashboard

Even though the Replacer Kit achieves a dramatic improvement during the migration compared to the manual approach or possible with the Oracle Reports to BI Publisher conversion assistant, some manual effort will still be required to finalize the migration.

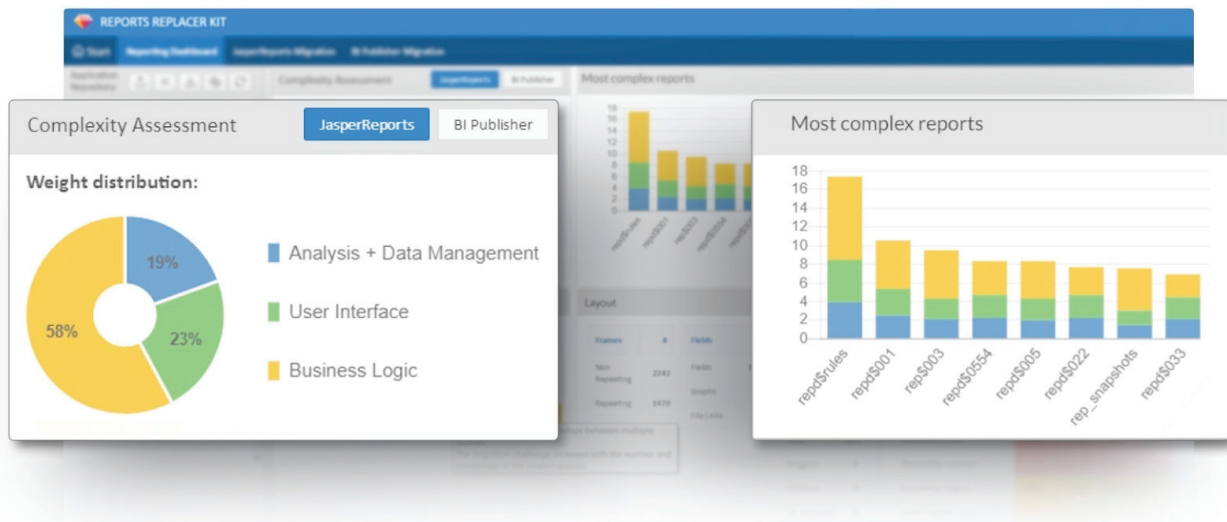


With its repository approach and deep analysis capabilities, the Replacer Kit is able to calculate these manual efforts, based on more than 60 different metrics. This is a great opportunity for partners to set up fixed price support options for these migration projects.



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The project and budget controlling functions of the Replacer Kits report allow keeping a close eye on all the figures. You get full transparency about the project status and can easily recognize which components have which degree of complexity. In contrast to classic migration projects without the Reports Replacer Kit, you'll always have sight of the full picture of your application.



Cloud

The Replacer Kit will be available as a "Migration as a Service" inside the Oracle Cloud offering. You'll be able to control your own testimonial in the case of a try & buy. With smart agents, you'll be able to upload all your reports and in addition for a best result, the necessary database schemas. With an own user, you'll have full access to all the Replacer Kit functionalities, including Dead Code Analysis, Redundancy Checks, Business Logic refactoring, and the migration itself. All the generated artifacts and a detailed list of manual tasks during the finalization phase can be downloaded from the cloud.

Benefits

- Process optimization through a guided step-by-step implementation
- Risk minimization through automatic migration
- Modern architecture for transparency and advanced functionality
- Planning security through proven, accurate, and automated processes as well as metrics that will accurately assess the initial situation
- Measurability: all metrics. Each report is mapped into metrics to inform a statement about the usability
- Migrators offer state-of-the-art results, such as hand-made and best practices
- Modern
- Easy to maintain
- Unique: unrivaled in quality and performance



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