

psyl case study



project AR Aged Debt Credit Controller and Account Manager
Business Intelligence Reporting

technologies used

Languages: SQL, PL/SQL
Development Tools: Oracle® Discoverer™ 4i
Platform: Oracle 9iAS mid-tier server
Oracle 8i Enterprise DBMS
Software: Oracle E-Business Suite 11i, 11.5.9
Oracle Accounts Receivable 11.5.9
Oracle General Ledger 11.5.9

client overview

Multinational corporation with \$2Bn annual turnover and 10,000 staff worldwide with international locations in over 100 countries. The client had installed Oracle E-Business suite 11.5.6 and had recently upgraded to 11.5.9. They were running 220 sets of books with CRM modules including GL, AP, AR, OFA, PO/iProc, PA and Oracle BIS views.

project overview

GOAL: make available aged debt information showing the complete aging position, in time-based buckets, across all countries and for all customers of the client who were entered into Oracle Accounts Receivable 11i.

The client needed to produce a report that could be made available to senior board members but that was targeted at client Account Managers and Credit Controllers across the organisation. The report must be available for the majority of the working day in Europe and the United States and must run to completion in under 15 minutes. The output must be in spreadsheet format

solution

PSYL's consultant liaised closely with the client's Reporting Systems manager and Accounting team senior user sponsors to determine their needs and the in-depth requirement. During the project, iterative versions of the solution were made available to sponsors for detailed review and new releases incorporated their ideas and feedback as the project progressed to completion.

PSYL's consultant used Oracle Discoverer 4i as the delivery tool to create two reports, one for Account Managers and one for Credit Controllers, based on a single SQL query and PL/SQL serverside function, with the SQL component held in Discoverer's End User Layer metadata layer as a named report Folder.

Aging buckets (such as 1 – 30 days) were defined using a PL/SQL serverside procedure and aging information held in the database to run against prior End of Period exchange rates. The report was complex because it had to address the needs both of high speed (running across 220 sets of books included with the AR module) and the requirement to show three component data sets: unapplied and unidentified cash receipts, cash receipts and invoices. The final solution developed was created using the SQL UNION operator and optimised by introducing in-line views. Although the code base SELECT statement was around 500 lines long, the complete report ran in an average of under 7 minutes and was rolled out to over 200 international users in early 2005. The code was secured by introducing a subquery that allowed or disallowed access to data based upon pre-defined user security information in a business intelligence structure in the APPS schema.

about paradise systems

Founded in 1994, Paradise Systems Limited specialises in Oracle® E-Business Suite reporting consulting and development encompassing versions 10.7 and 11i. We also offer in-depth specialisation and experience in:

- **Oracle Discoverer™ and business intelligence reporting solutions including Oracle BIS™ and NoetixViews™**
- **Business systems analysis and data modelling**
- **Full-lifecycle education and training from training needs analysis (TNA) through to development of courseware and delivery to your delegates**
- **Oracle technical authoring including bid and tender documentation and responses**
- **Oracle pre-sales and sales education, coaching and sales support.**

“Our code ran to produce accurate aged debt figures for the client for over 200 sets of books in less than seven minutes.”

*Alastair McCullough
PSYL Managing
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