SAS® Data Surveyor for Oracle Applications

Quickly and easily integrate Oracle Enterprise Business Suite data

What does SAS® Data Surveyor for Oracle Applications do?

SAS Data Surveyor for Oracle Applications leverages services from Composite Software to provide data services or high-level abstracts of the most common Oracle business objects, and delivers these views to the many integrated components of SAS. SAS applications can then quickly and easily integrate this content to provide the mission-critical information needed to run your business. A wizard-driven graphical user interface that automatically tracks and stores metadata makes it easy to find and understand information stored within the Oracle Enterprise Business Suite.

Why is SAS® Data Surveyor for Oracle Applications important?

It enables organizations to quickly and efficiently integrate Oracle Enterprise Business Suite data with other data sources to provide a complete view of the enterprise for business intelligence and reporting needs.

For whom is SAS® Data Surveyor for Oracle Applications designed?

SAS Data Surveyor for Oracle Applications is designed for data integration developers and decision support users seeking to integrate data from Oracle with other disparate data sources or exploit Oracle Enterprise Business Suite data for decision-making needs.

As enterprise resource planning (ERP) products have evolved, they've become even more complicated and difficult to manage. To retrieve the data needed from Oracle Enterprise Business Suite applications, transform the data and generate new information involves complex, custom coding. And with each new request for more or different information, the amount of custom coding grows. As a result, getting the data needed from Oracle systems requires employees with expert knowledge, expensive consultants or both.

On top of those expenses, disconnected islands of organizational data and data management processes mean tools from multiple vendors are needed to extract information from various databases, ERP systems and other data sources. Managing multiple data integration tools strains resources and adds to the cost and complexity of training and maintenance.

SAS Data Surveyor for Oracle Applications helps you locate, identify, understand and extract the complex data structures locked within the Oracle Enterprise Business Suite.

With easy-to-use wizards, powerful metadata search capabilities, packaged transformations and integrated data quality tools, SAS Data Surveyor for Oracle Applications gives you the power to quickly and easily integrate ERP data with other organizational data to build the intelligence necessary to successfully run your business.

Key benefits

- **Save time, money and resources.**
  SAS Data Surveyor for Oracle Applications allows users to quickly find necessary data without having to understand complex Oracle data structures. An easy-to-use interface and powerful metadata search capabilities enable data integration designers to search, browse and quickly locate relevant information from the thousands of tables and dozens of database schemas in the Oracle Enterprise Business Suite. You don't need expensive consultants or ERP experts to get the data your organization needs to generate information.

- **Reduce maintenance overhead.**
  With SAS Data Surveyor for Oracle Applications, no custom coding is needed to get to Oracle data. Instead, all relevant extraction information is stored as centralized metadata that is easily managed and maintained, and routines can be reused by other developers and engineers.

- **Manage data on an enterprise scale.**
  Accessing relevant ERP information is just one facet of organizational data. SAS is the only software that enables you to manage data on an enterprise scale, allowing the integration and management of all data sources on all platforms. It provides the perfect environment for helping you turn all Oracle Enterprise Business Suite data into mission-critical business intelligence.

Product overview

SAS leverages technology from Composite Software to provide certified integration to Oracle Enterprise Business Suite data. This means that users can access data locked in the Oracle E-Business Suite through certified interfaces while adhering to all security models of the Oracle platform, which is considered critical to all IT shops. Security is honored at the organizational role level and the individual user level.

SAS Data Surveyor for Oracle Applications provides data services or high-level abstracts of the most common business objects, such as Accounts, Opportunities and Service Requests, and delivers these views to the many integrated components of SAS. SAS applications can then quickly and easily integrate this content, providing visibility to all information needed to effectively run your business.

SAS Data Surveyor for Oracle Applications is integrated with SAS Data Integration Studio (the wizard-driven GUI component of SAS Enterprise Data Integration Server and SAS Data Integration Server) to help manage, maintain and build data integration processes.

The ability to locate, identify, understand and extract data from Oracle Enterprise Business Suite and tight integration with SAS Data Integration Studio make SAS Data Surveyor for Oracle Applications a powerful enterprise data integrator.

SAS Data Surveyor for Oracle Applications places Oracle metadata in a common metadata framework. Integrating Oracle metadata within an open, common metadata architecture enables Oracle data to be turned into true intelligence by exposing Oracle Enterprise Business Suite rules and data to SAS products. The integrated SAS platform supports the complete process of creating and delivering consistent, enterprise-level intelligence.

Easy access to Oracle data

SAS Data Surveyor for Oracle Applications enables you to explore metadata from your entire Oracle suite without the need for specialized Oracle knowledge. SAS provides data integration designers and knowledge workers with a way to easily navigate the thousands of tables and dozens of database schemas that make up the Oracle Enterprise Business Suite. Metadata caching offloads the searching of the data locked within Oracle applications to SAS so users can find the information they are looking for without severely affecting the operational system.
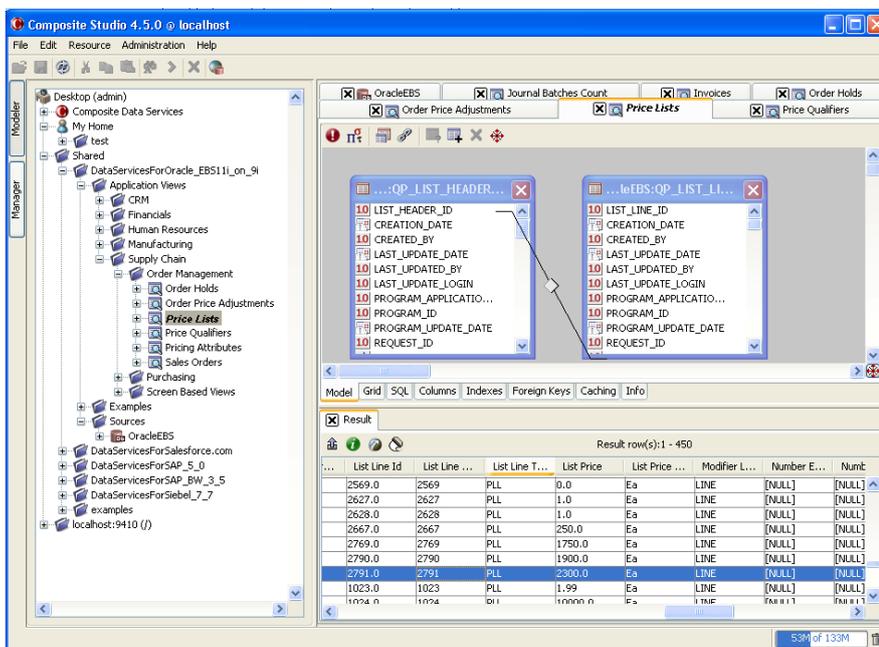
Powerful metadata search

The metadata search capability, incorporated in SAS Data Surveyor for Oracle Applications, allows data integration designers and decision support specialists to search, browse and identify complex ERP data structures. Using Oracle's metadata, such as column names and descriptive texts, the required data is easily identified so users can create the data sources they need to populate, for example, their enterprise data warehouse, in a timely fashion.

Flexible searching options

Multiple search capabilities, such as schema, business application area, tables, columns and fields in native languages, allow data integration developers to get the necessary information based on input from users. You can search by entity model, fields, columns and tables.

Automatic code generation

SAS Data Surveyor for Oracle Applications automatically generates the code necessary to retrieve the required data from Oracle applications.

In addition to easily creating simple to complex drag-and-drop table joins, you also can view the join results to verify your logic.

Improved ETL performance and integrated data quality

Using native Oracle database calls assures that Oracle's SQL is used when processing the Oracle data.

It is a simple point-and-click process to run Oracle data through SAS data quality routines, ensuring data quality and consistency.

Integrated metadata framework

The tight integration and use of the SAS Metadata Server extends Oracle Enterprise Business Suite metadata within an open metadata framework, allowing for a consistent view of all data and information across the enterprise.

SAS Metadata Server stores all relevant information about Oracle Enterprise Business Suite data structures as metadata so that it can easily be used and reused from one location. This promotes easy maintenance because all information resides in a centralized metadata repository and no source code has to be touched.

Integrated environment for enterprise data integration

Integrate your Oracle Enterprise Business Suite data with other vital information and use the powerful SAS environment to manage all your enterprise data integration processes. Additionally, you can make use of SAS software's other powerful components, which share a common metadata repository as part of an integrated and flexible business analytics framework. These include reporting, best-of-breed analytics and scalable storage designed specifically for analytics and business intelligence. SAS is the only company that enables you to integrate and manage data on an enterprise scale across all platforms. Because you only have to manage one data integration solution, you can reduce the cost and complexity of training and maintenance.

Key Features

Easy access to Oracle Enterprise Business Suite data
- Reads the Oracle Enterprise Business Suite data dictionary.
- Enables you to easily explore metadata and data structures without extensive knowledge of the Oracle Enterprise Business Suite.
- Supports Oracle Enterprise Business Suite's security and data access models, including organizational roles.

Powerful metadata search
- Provides the ability to search metadata using business terms and understand how the business objects relate to the underlying data.
- Integration with SAS Metadata Server extends Oracle Enterprise Business Suite metadata to a common, open metadata framework, allowing for consistent analysis and information sharing across the enterprise.
- Powerful metadata search tool allows IT to understand complex ERP data structures and gives users the tools needed to populate the enterprise data warehouse in a timely fashion.
- Offloads metadata browsing to the SAS application server so ERP system performance is not adversely affected.
- Lets you look at metadata in your own language; there is no need to look at acronyms.

Flexible searching options
- Multiple search capabilities, such as schema, business application area, tables, columns and fields in native languages allow data integration developers to get the necessary information based on input from users.
- Search by entity model, fields, columns and tables.

Automatic code generation
- Save time writing code with an interactive GUI-based code generator.
- Integrated with SAS Enterprise Data Integration Server and SAS Data Integration Server, SAS Data Surveyor for Oracle Applications automatically generates the code necessary to retrieve required data from the Oracle Enterprise Business Suite.

Integrated data quality
- Directly add data quality to your data integration processes.
- Provides a point-and-click process to run Oracle Enterprise Business Suite data through SAS data quality routines to ensure quality and consistency.

Integration with other data sources
- Integrated with other data sources, including DB2, other Oracle Enterprise Business Suite data, Siebel, SAP, PeopleSoft, SQL Server and many more.

SAS® Data Surveyor for Oracle Applications Technical Requirements

Supported platforms

- Linux for x86 (x86-32): RHEL 4 and 5

- Linux for x64 (EM64T/AMD64): RHEL 4 and 5

- Microsoft Windows (x86-32): Windows XP Professional, Windows Vista (Enterprise, Business and Ultimate editions), Windows Server 2003 family

- Microsoft Windows on x64 (EM64T/AMD64): Windows XP Professional for x64, Windows Vista for x64 (Enterprise, Business and Ultimate editions), Windows Server 2003 for x64

Package includes:

- SAS/ACCESS® to ODBC

- Composite Information Server

- Composite Studio

- Composite Application Data Service for Oracle E-Business Suite

Supported Oracle applications

- Oracle Enterprise Business Suite 11i and higher