



### What does SAS Data Surveyor for SAP do?

SAS Data Surveyor for SAP provides data integration designers with the ability to extract, search, navigate and understand complex SAP data structures so that SAP data can be integrated with other data sources, analyzed or used in conjunction with SAS solutions.

### Why is SAS Data Surveyor for SAP important?

It enables organizations to quickly and efficiently integrate SAP data with other data sources, providing a complete view of the enterprise for business intelligence and reporting needs. The ability to find and understand information stored within SAP from a wizard-driven graphical user interface that automatically tracks and stores metadata eases the manageability and the maintainability of the intelligence creation process.

### For whom is SAS Data Surveyor for SAP designed?

SAS Data Surveyor for SAP is designed for data integration developers and decision support users seeking to integrate SAP data with other disparate data sources or exploit SAP data for decision support needs.

## SAS® Data Surveyor for SAP

*Providing the environment to turn all of your SAP data into mission-critical intelligence*

As enterprise resource planning (ERP) products have evolved, they've become even more complicated and difficult to manage. To retrieve the data needed from SAP applications, transform it and generate new information takes a huge amount of 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 SAP systems requires employees with expert knowledge, expensive SAP 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 sources. Managing multiple data integration tools strains resources and adds to the cost and complexity of training and maintenance.

SAS Data Surveyor for SAP provides the environment you need to turn all SAP data into mission-critical business intelligence—helping you locate, identify, understand and extract the complex data structures locked within SAP. With easy-to-use wizards, powerful metadata search capabilities, packaged transformations and integrated data quality tools, SAS Data Surveyor for SAP gives you the power to quickly and easily integrate ERP data with other organizational information and data sources to build the intelligence necessary to successfully run your business.

### Key benefits

- Save time, money and resources.** SAP data structures are complex. SAS Data Surveyor for SAP allows users to quickly find necessary data without having to understand SAP 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 database schemas in SAP applications. 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 SAP, no custom (ABAP) coding is needed to get to SAP applications data. Instead, all relevant extraction information is stored as 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 SAP data into mission-critical business intelligence.



network bandwidth. Change data capture allows only the data that has been added or changed to be incorporated into the ETL process, which also saves valuable time and processing resources.

### **Integrated data quality**

With SAS Data Surveyor for SAP's integration into SAS Data Integration Studio, it is a point-and-click process to run SAP applications data through SAS data quality routines to ensure quality and consistency.

### **Integrated metadata framework**

The tight integration and use of the SAS Open Metadata Server extends SAP metadata to an open metadata framework, allowing for consistent views of all data and information across the enterprise. The SAS Metadata Server stores all relevant information about SAP applications' 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 metadata and no source code needs to be touched.

### **Integrated environment for enterprise data integration**

Integrate your SAP 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' other powerful capabilities, including scalable storage designed specifically for analytic and business intelligence needs, an integrated business intelligence architecture and best-in-class analytics. SAS is the only company that enables you to manage data on an enterprise scale, allowing the integration of all data sources on all platforms. Because you only have to manage one data integration solution, resources are not strained and you can reduce the cost and complexity of training and maintenance.

## **Key Features**

### **SAP Certified for integration on SAP R/3 Enterprise**

- Security in knowing that SAS is recognized by SAP for its ability to integrate with the SAP R/3 system.

### **Security and roles support**

- Adheres to SAP logon authentication and security model.

### **Reads SAP data dictionary**

- Enables you to easily explore metadata and data structures without extensive knowledge of the SAP application.

### **Business metadata decomposition**

- Ability to search metadata using business terms and understand how the business objects relate to the underlying data.

### **Open metadata framework**

- Integration with the SAS Open Metadata Server extends SAP metadata to a common, open metadata framework allowing for consistent analysis and information sharing across the enterprise.

### **Metadata caching**

- Offloads metadata browsing to the SAS Application server so ERP system performance is not affected.

### **Multiple language support**

- Lets you view the metadata in your own language. No need to look at acronyms.

### **Metadata search and management**

- Powerful metadata search tool allows IT to understand complex ERP data structures and gives users the tools necessary to populate the enterprise data warehouse in a timely fashion.

### **Server-side joins**

- Extraction routines will use server-side joins, batch extracts, etc., wherever appropriate.
- Bring only the data that matters across in an ETL process.

### **Change data capture for SAP BW**

- Extract only the data that has changed in SAP BW, speeding up data integration processes.

### **Snowflake to star schema denormalization**

- Packaged transformations convert SAP BW's complex snowflake schema into a denormalized star schema more suitable for analysis.

### **Understanding of SAP BW metadata and complex data hierarchies**

- Find and decompose data in SAP BW InfoCubes, InfoAreas and navigate ODS.

### **Data warehousing integration**

- Integration with SAS Data Integration Studio for automatic code generation, seamless data quality integration and fast integration with the enterprise data warehouse.

### **GUI-based code generation**

- Saves coding time with an interactive GUI-based code generator.
- Integrated with SAS Data Integration Studio, SAS Data Surveyor automatically generates the code necessary to retrieve required data from SAP applications.

### **Integration with other data sources**

- Integrate with other data sources, including Oracle, DB2, other SAP data, Siebel, PeopleSoft, Oracle Applications, SQL Server and many more.

### **Data quality integration**

- Directly add data quality to your data integration processes.
- Point-and-click process to run SAP applications data through SAS data quality routines to ensure quality and consistency.

## SAS® Data Surveyor for SAP Technical Requirements

### Supported platforms

SAS Servers, including Base SAS and SAS Metadata Server, can be installed on one or more hardware systems in a multitier configuration.

- AIX (64-bit), Release 5.1+
- HP/UX (64-bit), Release 11i+\*
- HP/UX Itanium (64-bit), Release 11i+
- HP/UX PA-RISC
- Linux for Intel (32-bit): Red Hat Linux 8.0, RHAS 2.1, RHEL 3.0; SuSE SLES 8, SLES 9
- OS/390, Version 2, Release 10\*
- Solaris (64-bit) 8, 9, 10 on SPARC
- Tru64 UNIX (64-bit), Version 5.1A or 5.1B\*
- Windows (x86-32): Windows 2000 Professional, Windows XP Professional, Windows NT 4 Server\*
- z/OS, Version 1

\* Note: SAS Metadata Server must be installed on an alternate supported platform.

### Required software

SAS Data Integration Server or  
SAS Enterprise Data Integration Server

### Supported SAP systems

SAP R/3 4.5B and higher  
SAP BW 2.0 and higher

**SAP**® Certified  
Integration

### SAP Certification

SAS has been a SAP Technology Partner since 1991. SAS Data Surveyor's integration is certified for SAP Netweaver,™ ensuring maximum reliability, scalability and manageability in a secure, easy-to-use framework that allows for seamless interoperability with SAP.

POWERED BY  
**SAP NetWeaver**®



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