At the core of every data initiative is the need for clean, trusted information. Yet in today’s world of huge data volumes and unintegrated “stovepipe” data sources, IT users are challenged to make sense out of chaos, keeping agencies from realizing the full value of collected information.

The rapidly-evolving mission requirements of today dictate that data from multiple, heterogeneous data sources and targets (databases, applications, legacy, file formats) is utilized, and when changes in the mission drive new data integration requirements, the tools need to be flexible and agile with an easy-to-use user interface for a more timely response.

With SAP Data Services, you can combine data from legacy information systems with new sources of information, yielding new insights. The software also enables you to apply and enforce data quality rules whenever data is created, updated, or moved to prevent quality issues before they occur.

The solution allows you to access and move data of any size and from any source in order to integrate the data and unlock deeper meaning. Intuitive tools help you move and manage data from analytical and Big Data sources (such as Hadoop and NoSQL) as well as machine-generated and geographic data. SAP Data Services provides access to complete and relevant data regardless of data type, domain, or source.

With trusted, clean data, you can leverage the synergy of multiple information systems, giving users the ability to execute the mission with more complete situational awareness, unlocking new value from your existing investments in data infrastructure.

WHAT DOES SAP DATA SERVICES DO?

SAP Data Services helps integrate, transform, and improve your data enterprise-wide, allowing for cost-effective delivery of trusted information to all critical business functions. This empowers users with data profiling and text analysis tools to optimize operations, boost data quality, and gain essential access to disparate sources and applications.

WHY IS SAP DATA SERVICES IMPORTANT?

This solution provides a trusted data foundation for decision making by addressing the issues related to data quality, enrichment, workflow, and data integration and movement, regardless of whether this data comes from legacy applications, data warehouses, Big Data environments, devices, or the cloud. By providing an enterprise-grade information management capability, SAP Data Services enables federal agencies to multiply the value of significant investments in data collection and processing systems with accurate, timely, and trusted data.

FOR WHOM IS SAP DATA SERVICES DESIGNED?

SAP Data Services is designed for technical personnel responsible for integrating or migrating data and making it available for downstream analysis. In addition, data stewards responsible for quality can use the tool for profiling, monitoring, and remediating enterprise data.
SAP Data Services enables you to extract, transform, and load (ETL) large-scale data from and to any system, with data quality remediation.

**Sources**
- SAP Business Suite
- Oracle Apps
- SAP HANA
- Databases
- SAP Replication Server
- File / Unstructured Text Documents
- Web Services, JMS, XML

**Targets**
- SAP Business Suite
- Oracle Apps
- SAP HANA
- Databases
- Files
- Web Services, JMS, XML

**CAPABILITIES**
- Automate the process of synchronizing data amongst multiple systems
- Perform sophisticated transformations of data structure and content at high speeds
- Validate data according to business rules and requirements
- Ingest and extract entities from unstructured text using natural language processing (NLP) and load them into structured formats
- Parse, standardize, and correct data from any source, domain, or type
- Enrich data with internal or external data sources to fill gaps within existing data
- Perform data duplication checks directly into workflows or applications
- Perform data quality checks at high speeds prior to analysis or move

**BENEFITS**
- Migrate data with data quality remediation
- Periodic and accurate data movement between systems
- Continuous data quality monitoring
- Enrich existing enterprise systems data with new sources such as those in public domain and other
- Enable contextual search of documents and integration of document information with structured data

**USE CASES**
- Integrate “stovepipes” of data allowing multi-source fusion for more effective processing, exploitation, and dissemination of intelligence
- Efficiently migrate data to modernized systems
- Facilitate movement to and from cloud systems for seamless hybrid deployments
- Monitor state of quality and profile data for information assurance compliance
- Synchronize multiple systems for better C2 and situational awareness
- Provide replication for continuous operations and disaster recovery for resiliency of mission critical systems

**KEY DIFFERENTIATORS**
- ETL, data quality remediation, unstructured text analysis, and data governance in one enterprise data integration tool
- Operate on large-scale data in tight load windows using multi-CPU, multi-threading
- Designed for Hadoop, reducing overall cost and enhancing performance
- Enterprise-ready solution
- Rated leader by the analyst community

© 2016 SAP National Security Services (SAP NS2®). All rights reserved.

No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP NS2. The information contained herein may be changed without prior notice. SAP and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP SE in Germany and other countries.

Please see www.sap.com/corporate-en/legal/copyright/index.epx#trademark for additional trademark information and notices.