DataVantage®
for z/OS

DataVantage for z/OS: Enterprise Data Masking and Data Management Mainframe Solutions

A Cost-Effective Solution to Mask and Manage Data to Help Prevent Data Breaches

DataVantage for z/OS software solutions offer data masking and data management capabilities to protect sensitive information before it's moved out of a production environment, enabling compliance with both corporate policies and government regulations. The software is installed in a few hours without any changes to ongoing business processes. Fully-integrated masking eliminates the need for add-on or customized code.

Characteristics, Features and Functions:
- Database structure, subsystem structure and OS version-independent.
- Supports mass updates and selective deletions.
- Provides before and after comparisons on a record-level basis.
- Automates DB sub-setting, sampling and extraction with a repeatable process.
- Data masking works 'on-the-fly' to protect data throughout the copy process.
- Provides interactive data editing via ISPF interface.

DATAVANTAGE FOR Z/OS
- Pass security and compliance audits without requesting a waiver.
- Avoids expensive add-ons to existing data management tools.
- Easy installation and training.
- Alleviates concerns about who has copies of your production data.
- For organizations interested in data masking functionality alone, ask about DataVantage Data Masking Express® (DataVantage DME).
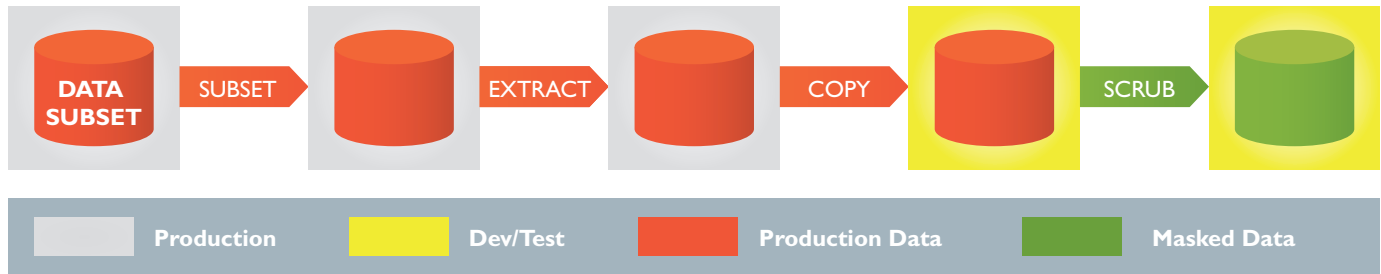
DataVantage for z/OS Offers Data Masking On-the-Fly

Unlike the "Typical Copy and Mask" process in which several interim steps are required (leaving production data unsecured), DataVantage for z/OS completes these multiple operations on-the-fly in a single step maintaining data security throughout. To create a test database, a user identifies the particular columns or fields to be masked by specifying the masking option. The copy batch job performs the masking based on standard techniques for that database. The masking results are independent of the operating system or database level. Once masking is in place, it is unaffected by upgrades in the operating system.

Typical Copy & Mask

DATA SUBSET → SUBSET → [disk] → EXTRACT → [disk] → COPY → [disk] → SCRUB → [disk]

	Production		Dev/Test		Production Data		Masked Data

DataVantage for z/OS Copy & Mask

[disk] → SUBSET, EXTRACT, COPY, and MASK → [disk]

DataVantage® for IMS

▸ Operates in ISPF, Batch, MPP and CICS environments.
▸ Browses and Edits all IMS databases.
▸ Creates and logically compares test databases.
▸ Maps Copybook segments.
▸ Refreshes test databases from the master database copy.

DataVantage® for DB2

▸ Creates copies of tables or subsets on the same or different DB2 subsystems.
▸ Supports bidirectional referential integrity throughout the copy process using DB2-defined and application-defined references.
▸ Uses either Active Table or an Image Copy dataset for the Copy process.
▸ Performs table compare process in background.
▸ Can create, display, delete and alter DB objects.

DataVantage® for VSAM

▸ Provides fast dataset-to-dataset copy.
▸ Browses and edits records.
▸ Copybook map of records.
▸ VSAM File Utility.
▸ Operates in both ISPF and batch modes.

Contact us today to learn more about how DataVantage software can meet your data protection requirements. Call for a Webex demonstration, **877.704.0077** or **info@DataVantage.com**.

DataVantage®
Direct Computer Resources, Inc.

www.DataVantage.com

DataVantage for z/OS provides three types of Data Masking:

OVERLAY

Replaces all or some of the original value with a selected character OR replaces all or some of the original value with random characters of the same type (alpha with alpha, numeric with numeric)

Leaves punctuation and blanks intact.

EXAMPLE:
SS# 123 456 789 *becomes*
SS# 746 591 247

DATA REPLACEMENT
Unique and Non-Unique

Replaces an existing column or data field with randomly selected data from a supplied VSAM dataset. Users can select different values for up to nine datasets. For example, one dataset can replace Social Security Number fields while another can replace Name fields.

EXAMPLE:
186 Solyo Drive, Felton *becomes*
716 Alvarado Row, Stanford

CREDIT CARD MASKING

Preserves the first four digits of the number and randomizes the remaining digits.

Calculates a modulo-10 Luhn check digit which will result in a valid credit card value.

EXAMPLE:
5445003238601963 *becomes*
5445722603289167