

DataVantage for z/OS: Data Masking, Data Management & Compliance 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 Installs as an application program.
- ▶ 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.

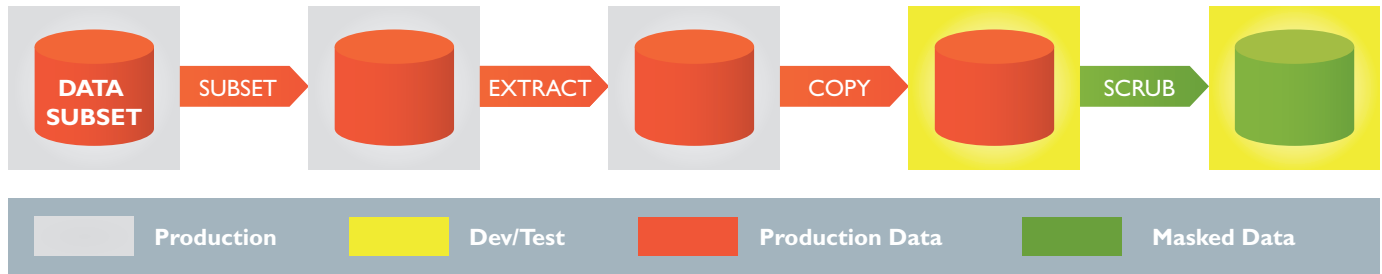
DataVantage for z/OS Offers Data Masking On-the-Fly

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.

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 DME® (Data Masking Express).

Typical Copy & Mask



DataVantage for z/OS Copy & Mask



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 45 6789 becomes
SS# 746 59 1247

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

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