



## Test Data Management – Data Sheet

K2V|ΞW » *Data without delay.*



## SOLUTION TECHNICAL OVERVIEW

# K2View TDM: A new approach to test data management

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*Speed up your development cycle by eliminating what makes testing cumbersome, expensive & slow*

### The problem

*Software testing is a major constraint that holds new applications hostage.*

### Our solution

*K2View TDM enables faster application delivery at a fraction of the cost.*

### Results

K2View TDM performs 1,000x faster than conventional TMD approaches.

Businesses need agile development to meet the growing demand for applications and web services. Yet most enterprises still cannot move to a truly agile, continuous deployment (DevOps) environment.

Why? Because managing the data critical to software testing is still largely a manual process. That is, until now.

K2View TDM solves the test data management problem with our unique approach to storing and retrieving data. Our customers report numerous benefits, including:

1. Dramatically reduced test duration; improved time to market
2. Zero impact on current systems and operations
3. Substantial reductions in headcount supporting testing
4. Elimination of redundant testing environments (with their related hardware/software costs)
5. Improved data security



## SOLUTION TECHNICAL OVERVIEW

## K2View TDM: How it works

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*We didn't try to solve all your testing problems—just the one that makes the biggest difference.*

Get better data in less time  
with K2View TDM

1. Stores and retrieves data based on business logic
2. Continuous data sourcing from ANY source
3. Central, efficient masking, modification, and generation of data
4. Simple, secure access to quality testing data

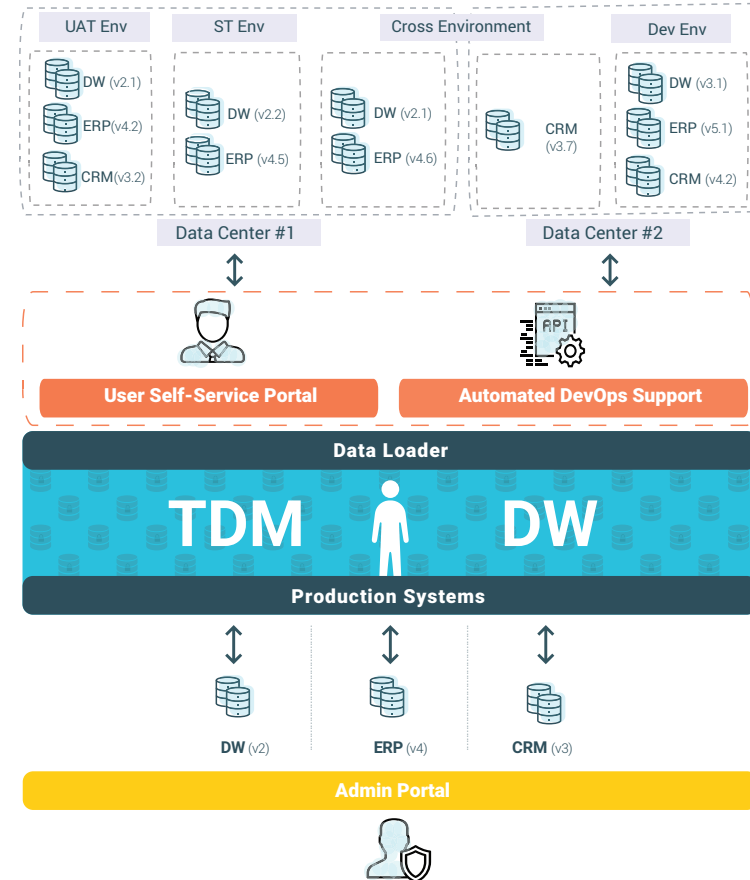
K2View TDM makes it easy to set up, administer, and manage test data. Our solution offers the best visibility, agility, and security on the market:

- **Any data source** can be integrated in our model—a traditional RDBMS, a big data environment, a flat file, a web service, a cloud application, etc.
- **Data is retrieved in real time**; data errors can be seen and corrected before they impact testing
- **Test data can be accessed in the wild** without having to copy it to test environments
- **Subsetting is simplified** by granularity (even for highly complex and scattered data)
- **Provisioning happens minutes** (not days or weeks), with no need to process massive amounts of data in bulk
- **Massive data breaches are virtually impossible**; data is processed in memory and encrypted at the subatomic level when stored
- **Migrations are simplified and 10x faster** because deployments and system modifications require no system downtime
- **IT costs are lowered** because the solution automates legacy processes and eliminates manual workarounds

## » Organize testing data around what matters – in days

- Assemble data from any source
- Create holistic, 360° data
- Ready to use in days, not months
- Store/virtualize in modern architecture
- Mask & secure to enterprise standard
- Maintain real-time with few resources

Test data in just days!



# » Let's re-think test data management



## Traditional TDM

### Waterfall, bulk provision

- Many handoffs to request and provision data
- Weeks to provision; days to refresh
- Inaccurate, not what the user needed
- Lengthy masking process

### Siloed, system-based

- Isolating bugs or data issues cross applications difficult
- Finger-pointing among teams due to lack of visibility
- Defects found late in QA cycle

### Unsecure, complex, expensive

- Masking is seldom consistent, rendering data not usable
- Breaches expose large amount of data
- Expensive HW and Licensing



## TDM, the K2View way

### Agile, data as a service

- Self-service data for Development, QA and Dev Ops
- Populate and refresh with the right data in 80% less time
- Centrally mask data in minutes, not weeks
- Native SQL support
- Substantial reduction in manual processes

### Visible, business entity-based

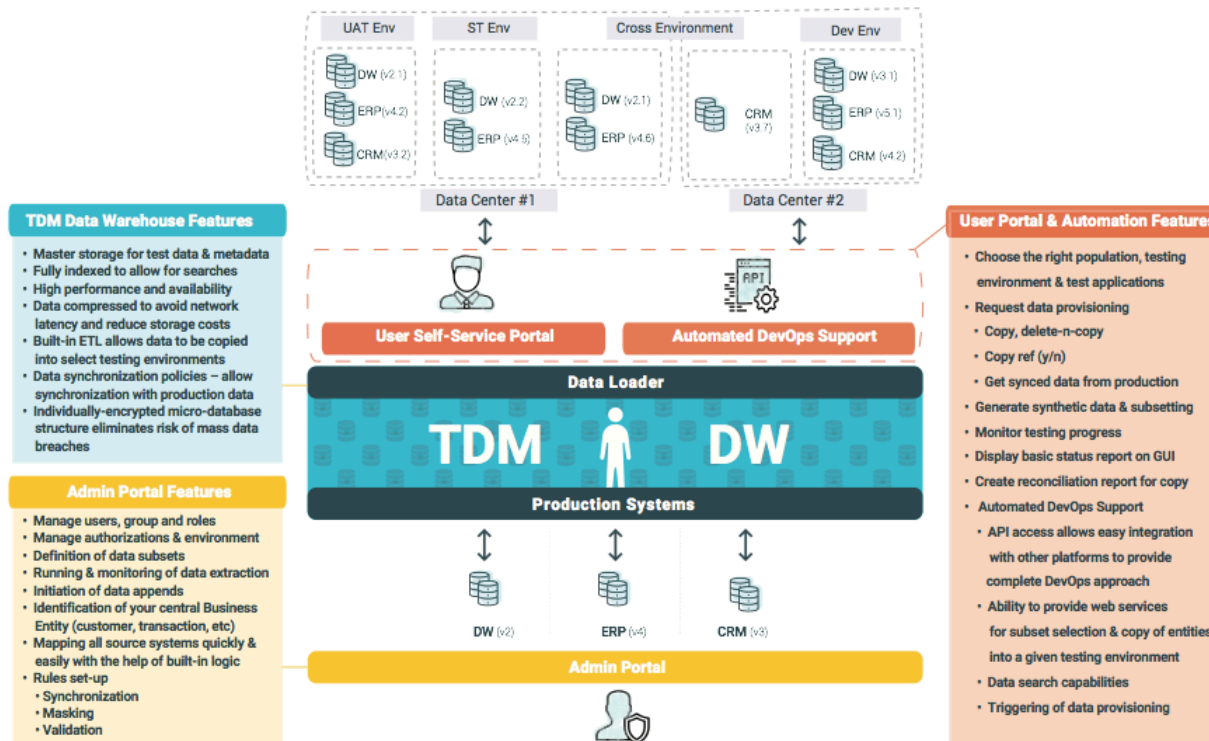
- End-to-end visibility of data across applications
- Real-time identification of root cause
- Faster problem resolution

### Secure, simple, savings

- Consistently and intelligently masked
- Secured at each logical unit, eliminating mass data breach
- Runs on commodity hardware; Virtualized, compressed and distributed performance at 40% of cost

## >> Test Data Management: How it works

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### FAST & EASY RULES SET-UP

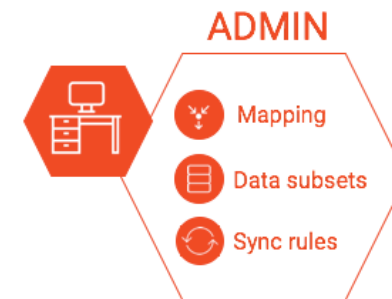
1. Data synchronization

2. Data masking

3. Data validation

#### EASY-TO-USE ADMINISTRATION OF:

- Management of users, group and roles
- Authorizations & environment management
- Definition of data subsets
- Running and monitoring of data extraction
- Initiation of data appends
- Identification of your central Business Entity (customer, product, HH, transaction, etc.)
- Mapping all source systems quickly and easily with the help of built-in logic
- Rules set-up





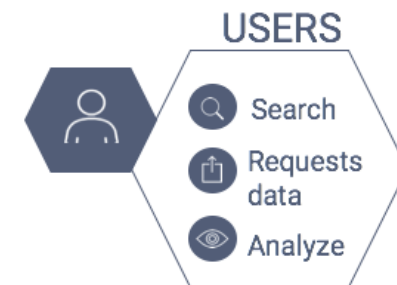
### FAST & EASY TEST DATA PROVISIONING

Choose:

1. The right population.
2. The target testing environment.
3. The products to which to copy data

#### ALLOWS USERS TO EASILY:

- Choose the right population
- Choose the target testing environment
- Choose products to which to copy data
- Request data provisioning
  - Copy, delete-n-copy
  - Copy ref (y/n)
  - Get synced data from production
- Monitor the progress of the process
- Display on GUI basic status report of execution
- Create reconciliation report for copy
- Generate synthetic data & subsetting







## Automated DevOps support

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- API access allows easy integration with other platforms to provide complete DevOps approach
- Ability to provide web services for subset selection and copy of entities into a given testing environment
- Data search capabilities
- Triggering of data provisioning

