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DataView Suite

The Face to your Test Data
The Problem with Test Data

**PROBLEM STATEMENT**

Ensuring we have provisioned and can find “Fit for Purpose” test data is difficult. Without this ability we are exposed to low test productivity & significant rework!

**CHALLENGES**

**Understanding & Mining for test data is complex**
- Rarely is data in one place (many apps, many DBs)
- Architectures and Data Sources are typically diverse

**Cross platform searches are time consuming**
- Fulfilment often dependent on many Application/DB SMEs
- Mining can be difficult, hard to synchronize or repeat

**Managing the organisations test data is non-Trivial**
- Difficult to track/identify data requirements or data usage
- Difficult to understand test case and test data relationships

**Too few test environments cause data contention**
- Contention increases corruption & Data Related Defects
- Contention causes an agile fall (execution being blocked)

**Data Issues impact overall testing productivity**
- Less Productivity means weaker exercising of solutions
- Lack of agility results in costly delays to your projects

Industry surveys have identified that, on average, 20% of Test Cycle productivity is lost due to Test Environment & Test Data challenges.
DATAVIEW IS THE “FACE TO YOUR DATA”

The DataView Suite promotes DevTester agility through the use of Test Data Accessibility & Test Data Governance Mechanisms.

Key Features of DataView Suite include:

- Test Data Requirements Capture
- Test Data Profiling
- Central Data Orchestration
- Test Data Validation *Security Checks
- Rapid Test Data Mining
- Test Data Bookings
- Data Usage Analytics

DataView does not replace your existing provisioning mechanisms! DataView was designed to uplift your existing Test Data Management methods and promote a more holistic and mature capability.
OPERATIONAL OVERVIEW

The DataView approach can be described in 4 simple steps:

1. **Point DataView at your key Test Data Sources**
   - Applications may be hosted on Windows, Unix, Mainframe etc.
   - E2E Data sources may include Oracle, MSSQL, DB2, IMS, Files etc.

2. **Design & Build Data Views that DevTesters understand**
   - Select E2E data that will make your DevTesters most productive
   - Create “aggregated” views that show E2E data and relationships

3. **Have DevTesters proactively “self service” that test data**
   - Have DevTesters filter and/or mine their own test data
   - Have DevTesters book/reserve data for “safe” testing

4. **Use embedded mechanisms to better manage the data**
   - Features to capture Test Data Requirements
   - Mechanisms to link Test Data with Test Cases/Assets
   - Mechanisms collaborate Test Data activity
   - Means to hide Non Fit for Purpose Data
   - Automation methods to orchestrate Test Data Tasks (e.g. ETL)
KEY BENEFITS

- Testing productivity through rapid accessibility
- Testing productivity via rapid “validation” of data
- Tester up-skilling via data (& relationship) simplification
- Safe sharing of data (contention avoidance)
- Proliferation avoidance through data usage analytics
- Improved Securitization via profiling & validation methods

SUPPORTED DATA SOURCES

DataView supports all major data sources including:

- RDBMS – Including Oracle, MSSQL & DB2 & MYSQL
- Legacy - Mainframe IMS, VSAM
- Flat File – XML, CSV,
- Proprietary/Abstract e.g. Hogan, SIEBEL, SAP

Note: Other data bridges can be built on demand.