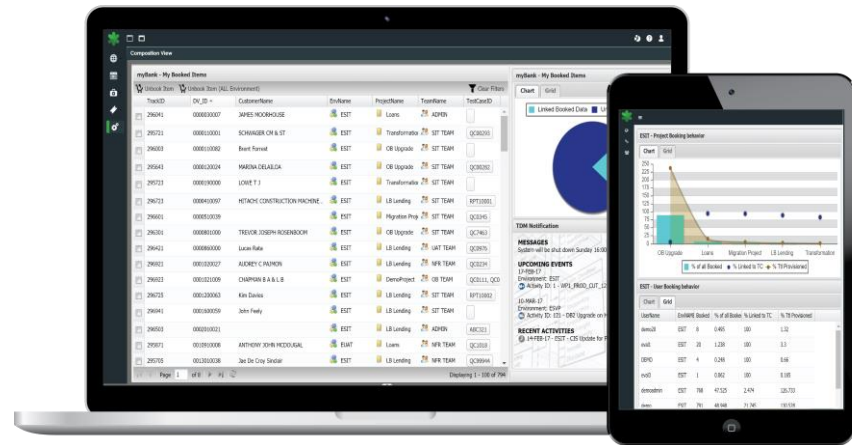




ecosystem **DV**

ECOSYSTEM DATAVIEW EXTENSION FOR SELF SERVICE TEST DATA MANAGEMENT

DataView for Self Service Test Data Management



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.



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

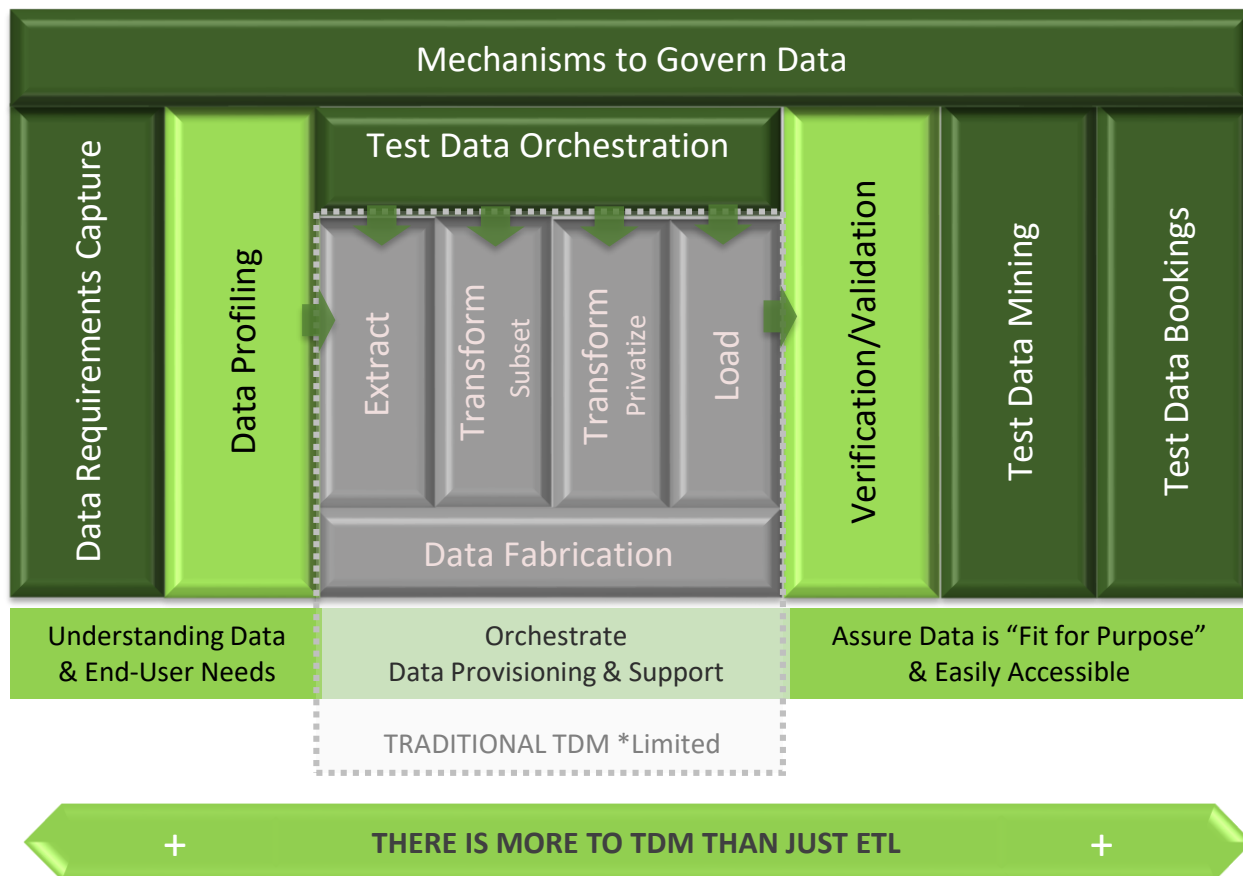
Key Features of DataView include:

- 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

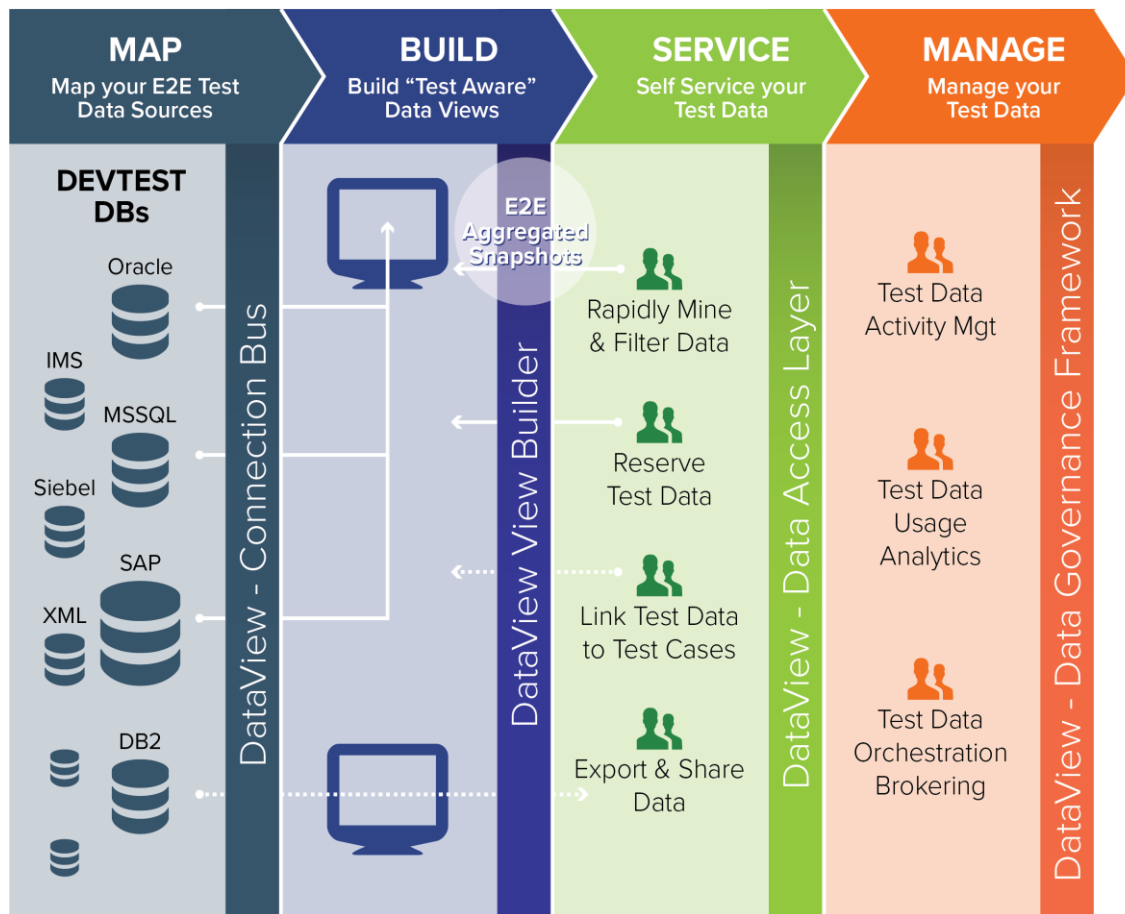
DataView does not replace your existing provisioning mechanisms!

DataView was designed to uplift your existing Test Data Management methods and promote a more holistic and mature capability.

A Holistic Test Data Management Framework



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 Views that Testers understand

- Select E2E data that will make your DevTesters most productive
- Create "aggregated" views that show E2E data and relationships

3. Have Testers "self service" that test data

- Have Testers filter and/or mine their own test data
- Have Testers book/reserve data for "safe" testing

4. Use embedded governance mechanisms

- 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)

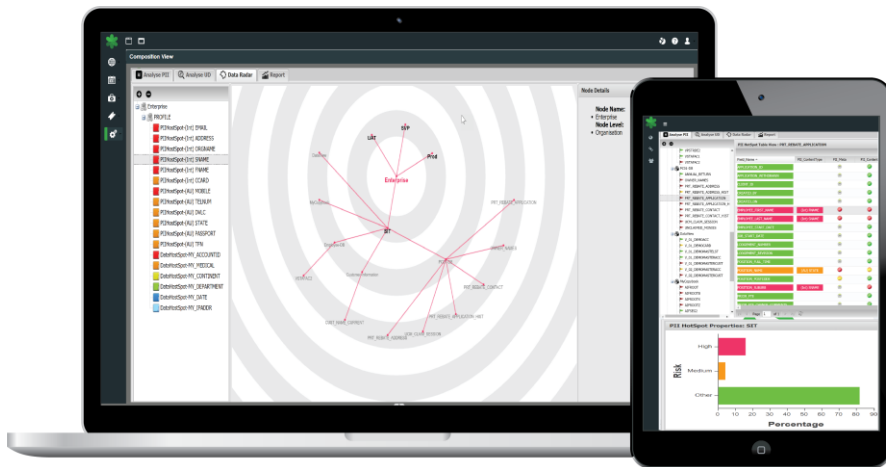


DataHotSpot a DataView admin function, helps you **Profile** the location of your PII data, Accelerate Remediation of your security risks & **Validate** whether your existing data has been privatized and is compliant*.



HotSpot can be described in 5 simple steps:

1. **Point at your application data sources of interest**
 - Supports all major databases
2. **Select/Create your PII search profiles**
3. **Run the scan**
 - Scan1: Profile the schema (meta data)
 - Scan2: Profile the data content
 - Scan3: Profile for Production Data / Patterns
4. **Analyze the PII results**
5. **Remediate the PII Exposures**
 - Use your existing Data Integration tools or build scripts to obfuscate/mask core PII risks.

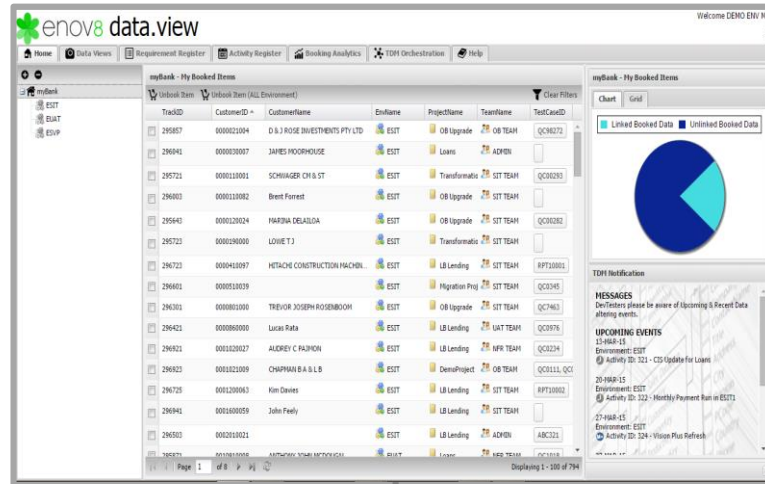


*Compliance = Dev & Test is not using real customer data

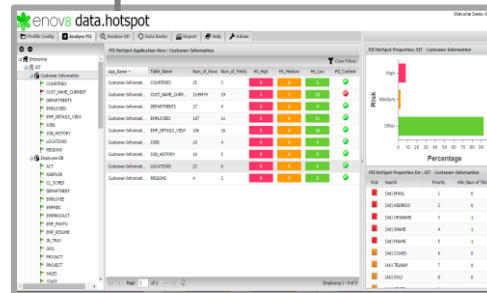
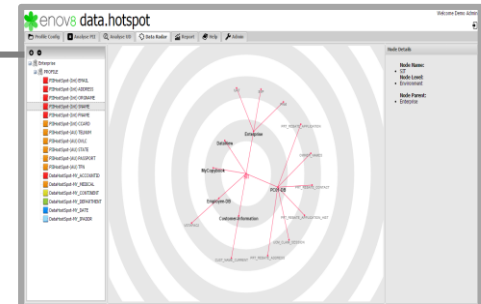
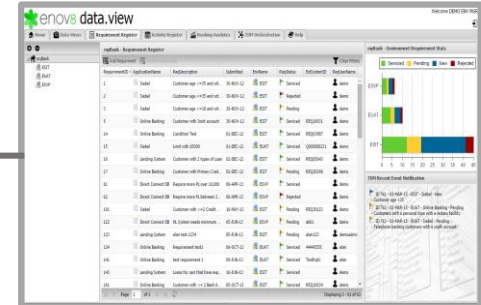
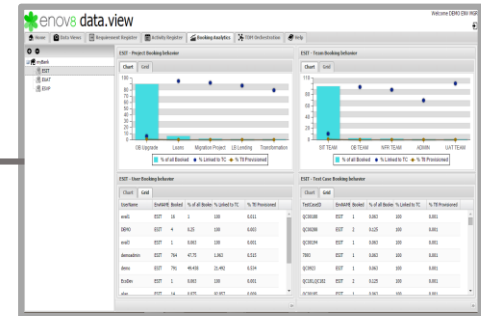


KEY BENEFITS

- 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



*DataView



*DataHotSpot (Admin Function)

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.





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