

CA Test Data Manager Release 4.5

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You need better test data and you need it quickly!

Biggest Test Data Management Challenges



Finding Test Data
- Tester



Protecting Test Data
- Compliance



Improving Test Data
- Test Engineer



Delivering Test Data Operations

Up to 50% of the average tester's time is spent waiting for test data, looking for it or creating it by hand¹.

The Result: Testing delays, increased software defects

Over 90% of organizations believe that the GDPR will impact the way they collect, use and process personal data²

The Result: Hefty fines up to 4% of revenues or 20 Million Pounds

Production Data by itself lacks outliers needed for negative testing³

The Result: Incomplete testing, defects occur after software release

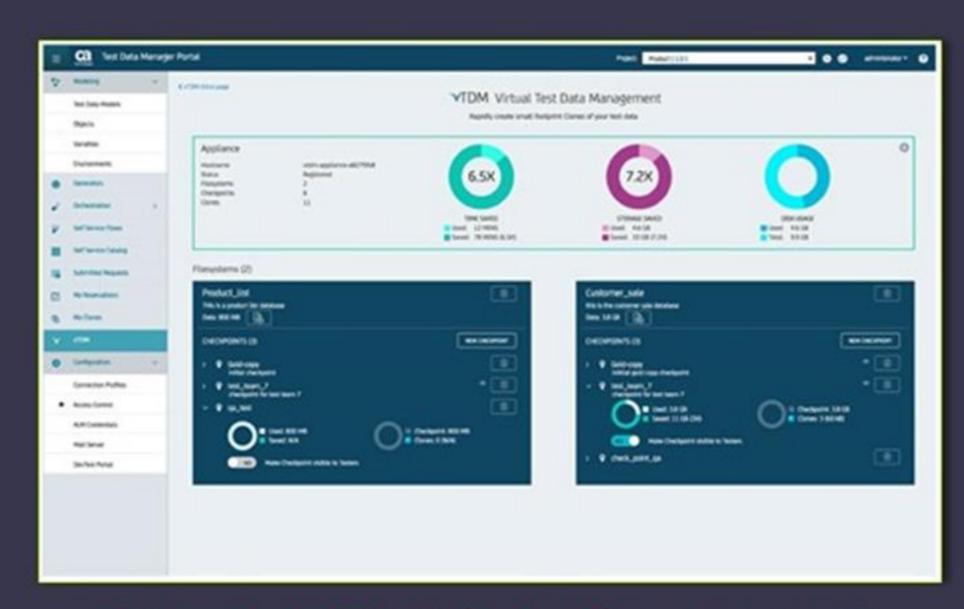
70% of all test data is still created manually4

The Result: Incomplete test data, application delivery delays

- 1 CA Technologies implementation field experience with actual customers
- 2 Vanson Bourne Survey, ***EU GDPR, Are you Ready for it?**, 2016
- 3 Positive and negative testing paths are needed to ensure proper coverage



CA Test Data Manager



Complete Test Data Management

Builds Test Data at the Speed of Agile by:

 Finding existing test data and generating missing test data for complete coverage – synthetically, virtually and compliantly (supports GDPR+ other regulations)

For complete coverage

Challenges:



Lack of test data delays testing: Teams can wait days or weeks for the right test data to located or manually created



Test Data Creation Inefficiency: 70% of all test data creation is done manually

What We Do:



1. Complete Solution:

Masking/sub-setting, synthetic data gen, find and reserve, virtual data and more

3. Compliance Focus: Locate existing PII data, generate heat maps & reports, demonstrate compliance

2. Admin/Tester Friendly Portal:

Locate, generate, manage, deliver test data from a convenient portal

4. Agile Testing: Deliver testers with high quality test data for maximum coverage within a sprint

Business Results



Immediate test data Compliant test data Better test data



Changing TDM landscape

Data Source Type

- Mainframe
- RDBMS
- Hadoop
- NOSQL



Data Location

- On-Premises
- Cloud
- Hybrid

Organization changes

- TDE based teams
- DevOps
- Waterfall vs Agile





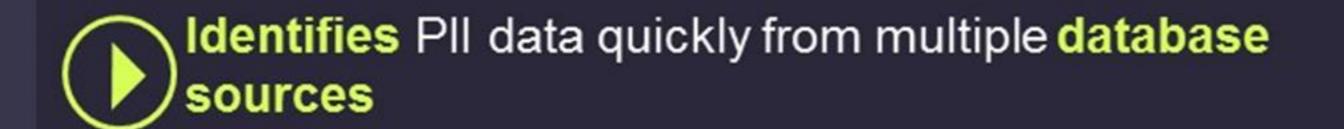
Other Forces

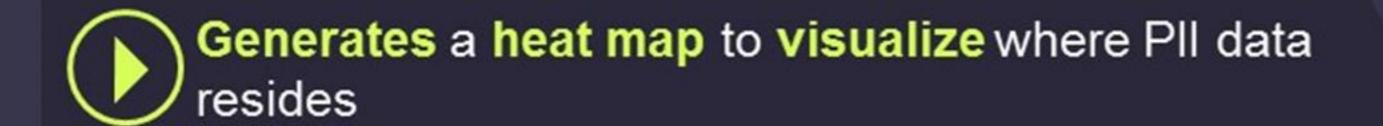
- Regulatory Changes
- Keeping with competition
- New Technologies Microservices

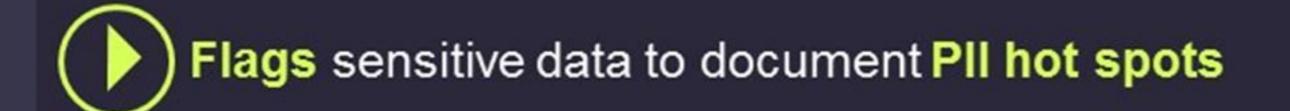


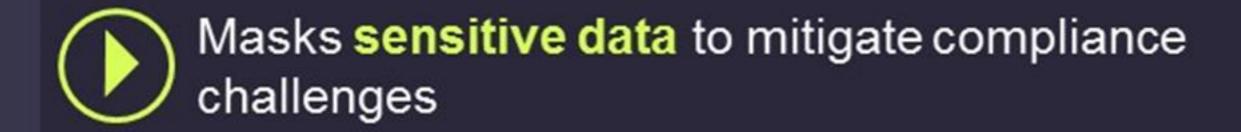
PII Data Discovery and Profiling

Mitigate risk by quickly and easily identifying potential compliance issues.

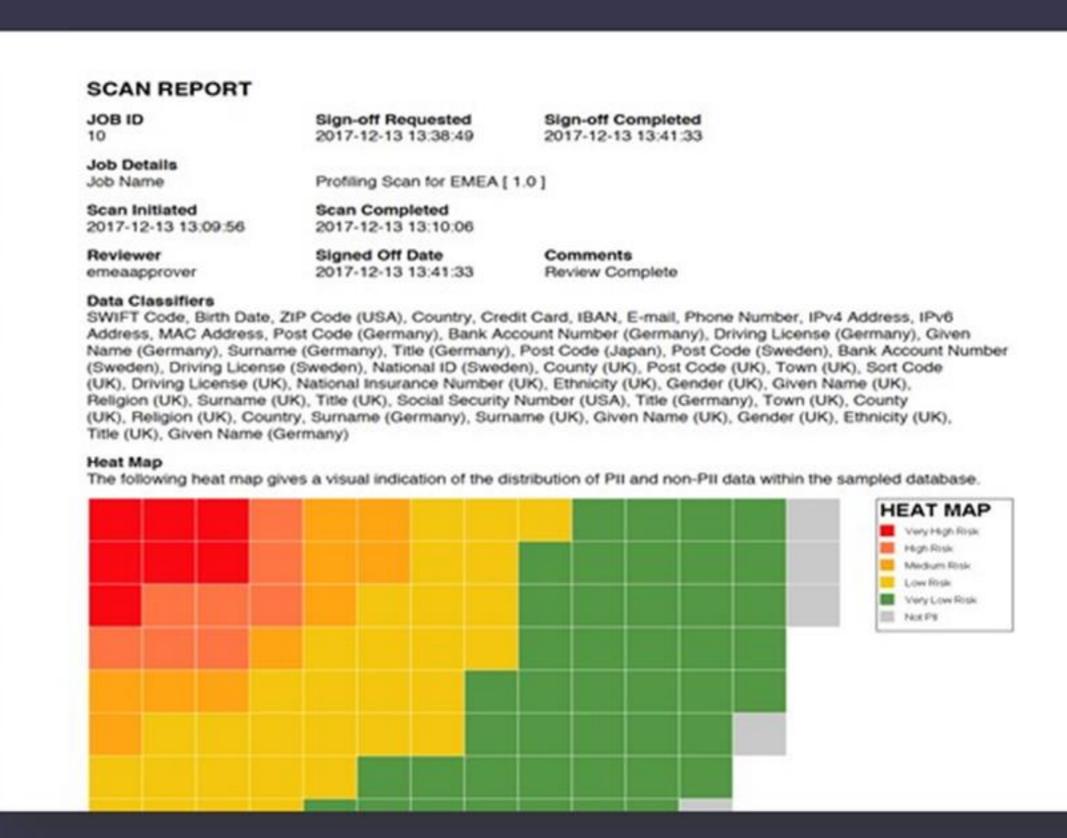








A large credit card company has purchased CA Test Data Manager (in part) to address test data compliance for GDPR and other regulations





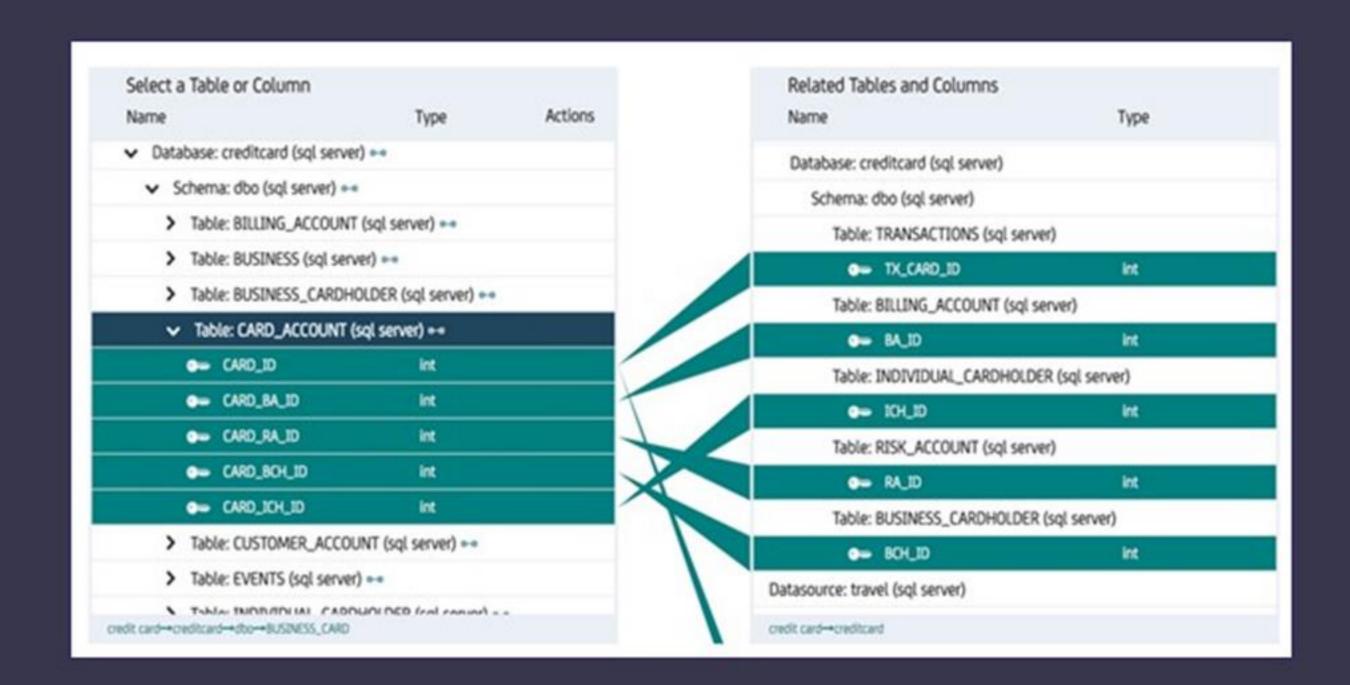
What's in Test Data Manager 4.5?

Automated Data Model Discovery	Allows relationships between tables to be discovered within and between data sources • Relationship Discovery • Relationship Editing • Relationship Visualization & Analysis
PII Data Discovery Enhancements	Usability enhancements to PII data discovery • Ability to specify scan depth • Scan filtering • Heatmap interaction improvements • and more
Enhanced Find and Reserve	Productivity enhancements • Pre-fetch data from various sources for scalability and response time • Auto-suggest drop downs for search criteria • Include already reserved data in search results



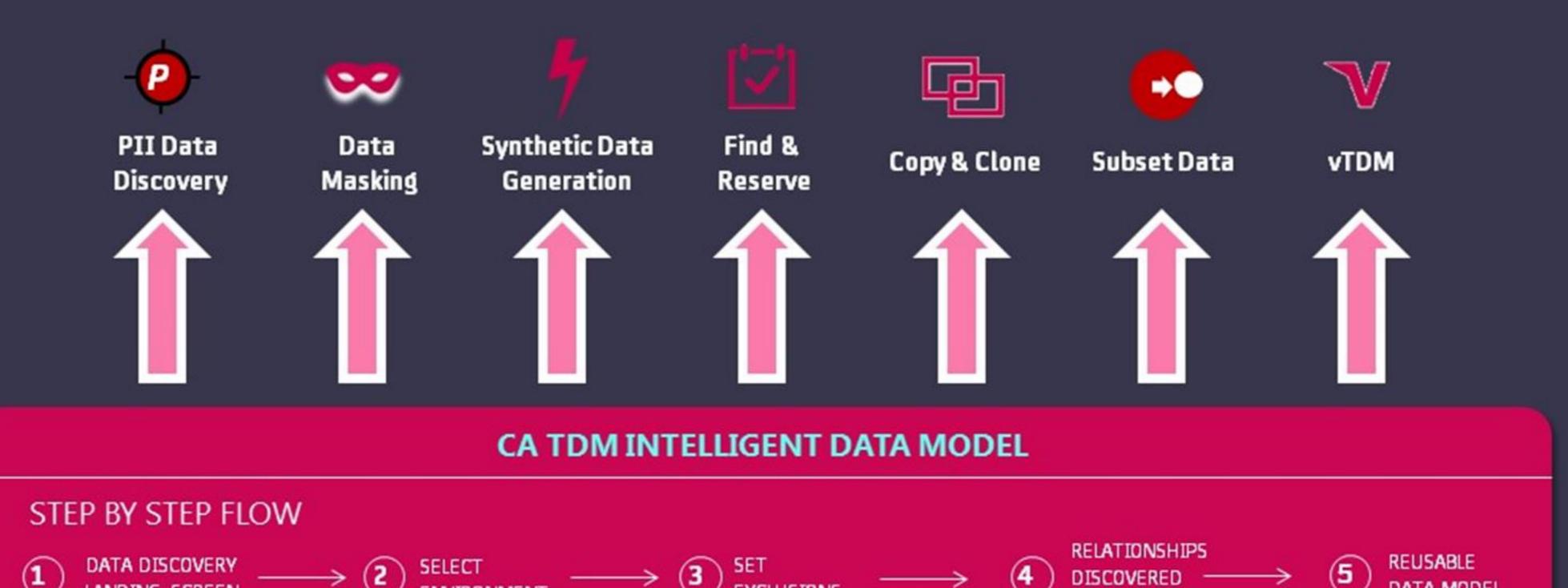
Automated Data Model Discovery

- Quickly build data model even with limited understanding of the actual application
- Discover relationships between different tables in a complex, multiple database application
- Automatically discover relationships between tables across disparate but connected data sources
- Ability to add or edit relationships that are not captured in the database metadata
- Rich visualization of these relationships, accompanied by Entity Relationship diagrams





Intelligent Data Model

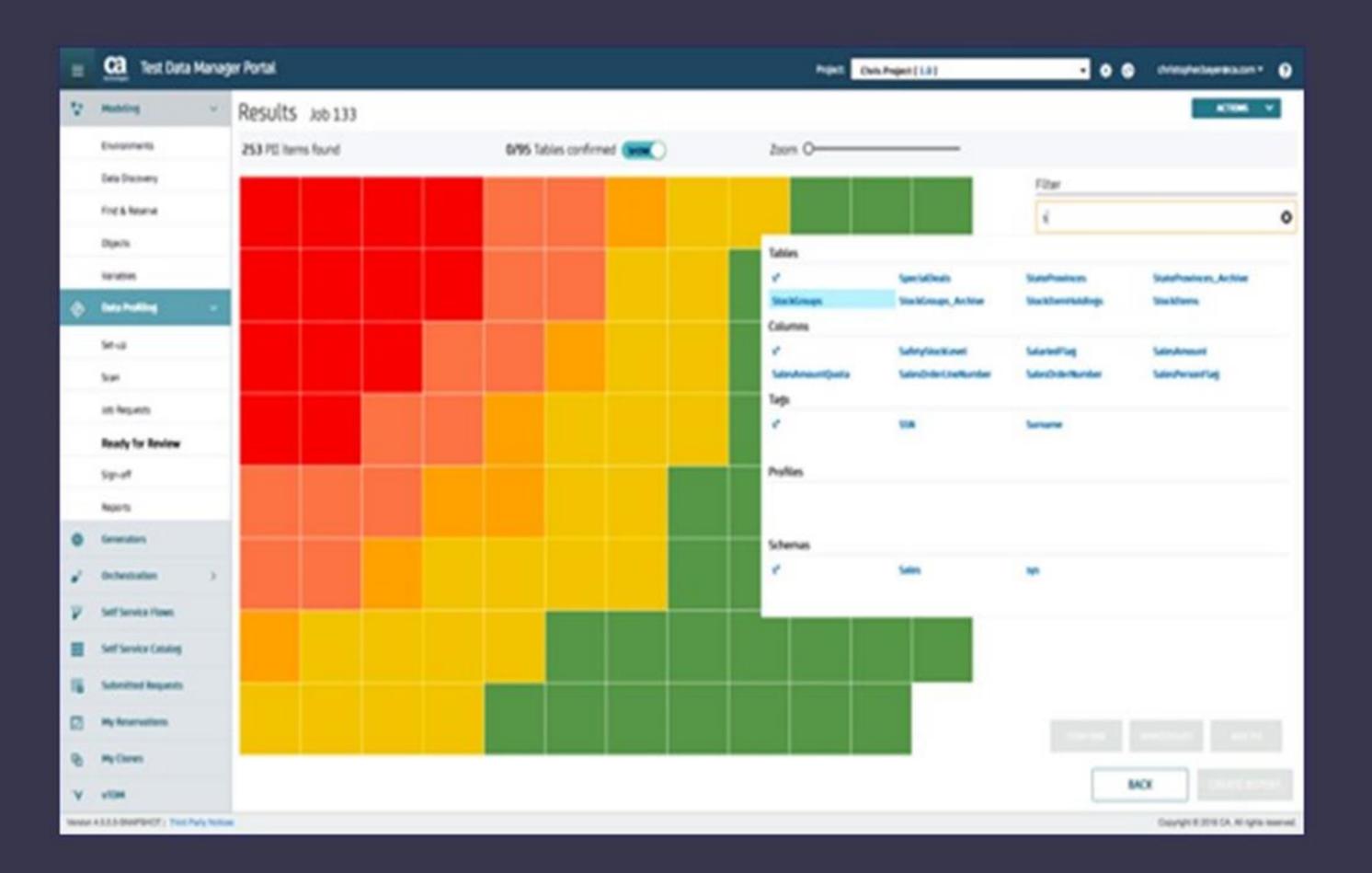


& VISUALISED



Usability enhancements in Pll discovery

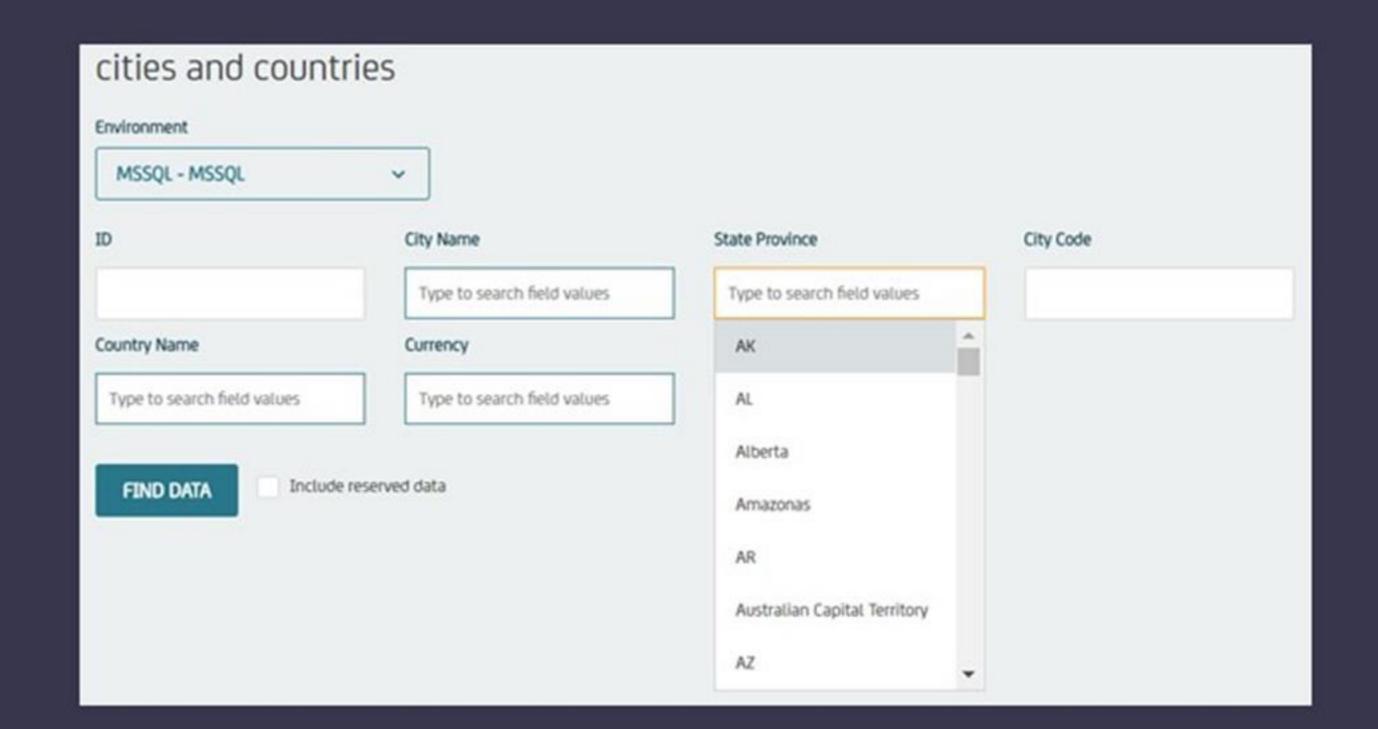
- Ability to provide scan depth Users can specify what percentage of records will be scanned for PII data
- Provide filters to include/exclude tables from the scan list
- Improved Heatmap interaction





Enhanced Find & Reserve

- Ability to pre-fetch data referenced by test data models from multiple sources
 - Dramatically improves search performance for the test engineer
- Auto suggest drop-downs to help testers quickly complete their search criteria
- View the status of data which matches their search criteria but that has already been reserved.





CA Test Data Manager – Upcoming Event

Learn How CA TDM can help you address GDPR and other regulations



https://webinars.devops.c om/data-privacy-whyyour-company-needs-topay-attention-to-whatsbehind-the-compliancecurtain



Demo



Why CA Test Data Manager?

TIME

PRODUCTIVITY

COST



Reduction in time needed to generate test data





Reduction in IT project cost avoidance

Source: Forrester Research CA Test Data Manager TEI Study (includes customer interviews and comments)

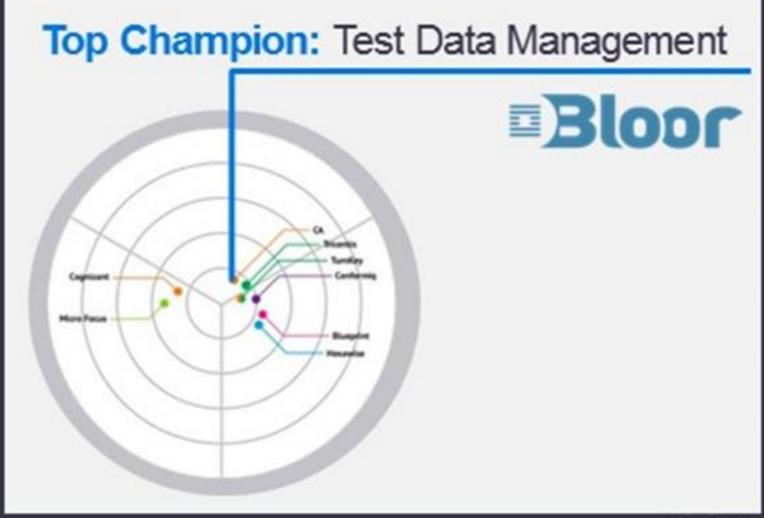
"ABN/AMRO accelerated the speed at which they test applications because they don't wait for test data and increased their test coverage because they can test using a wider range of data attributes since adopting CA Test Data Manager.."

ABN AMRO, TechValidate Survey, August 2017

CA Test Data Manager

"CA offers support for a wide range of databases, including NoSQL environments. There is also significant support for unstructured data. Mainframe support is provided."





technologies



Thank You.

