

Test Data Warehouse

Accelerate Testing Cycles and Improve Collaboration with Test Data on Demand

Benefits

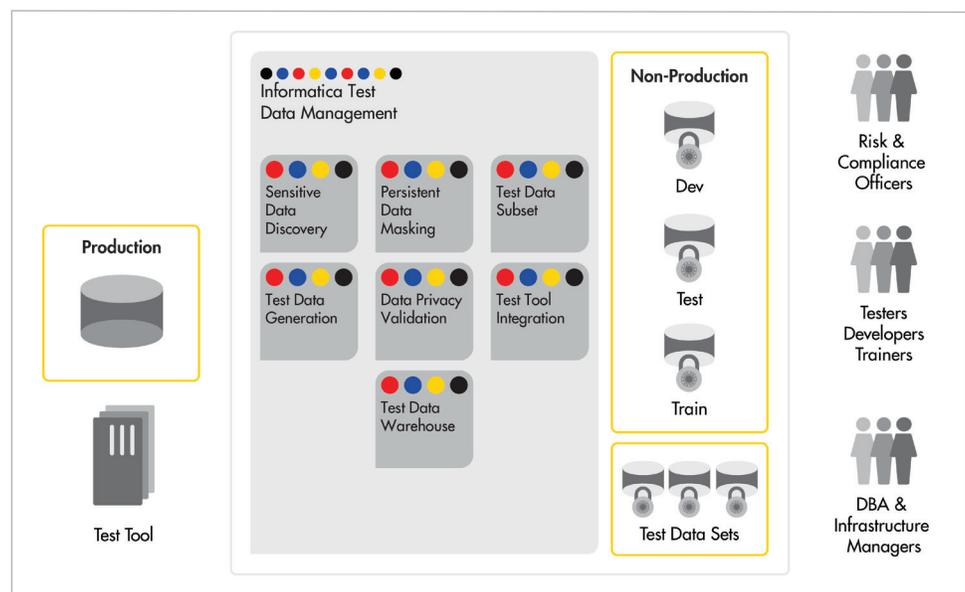
- Accelerate testing cycles with self-service provisioning of test data
- Ensure quality and consistent testing by aligning test data to test cases
- Improve productivity and collaboration through searching, marking and sharing of test data
- Optimize IT resources and reduce dependencies for provisioning database and application environments

Software testing can take upwards of 50 percent of the time required to develop and deploy new initiatives or rollout upgrades or patches to existing systems. During the testing process, finding, securing, and provisioning of test data that meets test case requirements can present a significant challenge.

If representative data exists in production databases, test teams can request non-production, masked copies of the data. This can take weeks to months to have entire databases provisioned for use by testers, inserting delays in your agile development processes. If data does not exist, testers can manually create data sets. This can be difficult, however, and the breadth of test case coverage can be limited.

Test Data Warehouse (TDW) is a key component of the Informatica Test Data Management (TDM) suite and provides a central repository where test data sets are stored, shared, and provisioned directly by and for the testing community. Collaboration capabilities provide marking, tagging, and searching capabilities across test data sets with provisioning and re-set on demand. Test teams can use TDW to identify their unique set of “golden test records” and provision data within shared test environments without the risk of testing collisions or data corruption that can spoil test results.

Test data can be masked copies of production data and/or synthetically generated using integrated data subset, data masking, and data generation capabilities. Test data on demand meets the need of agile methodologies by enabling faster iterations between development and testing without requiring full refreshes of test environments.



Test data warehouse is part of the Secure Testing suite and allows test data administrators and QA engineers to collaborate and improve testing productivity.

Key Features

Test Data Reset

The provisioning and re-provisioning of test data sets ensures consistency of testing and accurate test results. A specified set of tables and rows are identified as a unique data set that meets the testing criteria. Authorized testers and test teams receive self-service capabilities to refresh their own test data sets to repeat tests or move to next phase testing. This reduces tester idle time and promotes continuity of testing activities without negatively impacting other test teams that are sharing the same test environments.

Test Data Versioning and Sharing

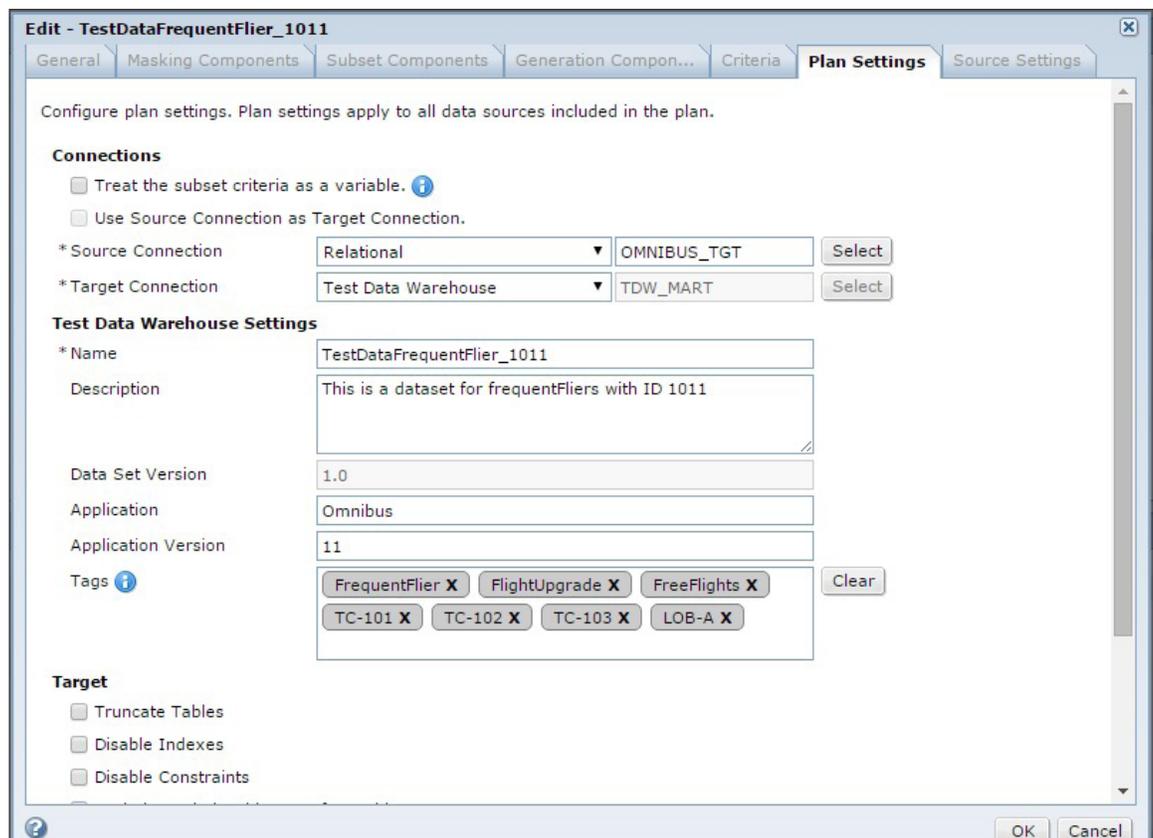
Multiple versions of a test data set can be stored in TDW. Test data set versions are created by refreshing data from the data source or by saving tests results directly from the test environment. Each version of a data set can be marked with relevant information such as test name, testers, test cases run, and test results. The metadata makes it easy to search, share, and report across test data set versions and across all data sets.

Integrated Test Data Management Capabilities

TDM platform and components provide a rich set of capabilities to subset and mask existing data and also generate synthetic data. These data provisioning capabilities are fully integrated with TDW, enabling the storage of test data sets in a common, shared repository. In addition, Informatica's TDM platform has industry-leading connectivity that allows heterogeneous application environments to be managed from a single TDM environment.

Single, Central Repository

Maintaining test data in a central repository ensures that it can be easily shared and re-used across environments. TDW lets you store test data sets across heterogeneous applications and databases in a single repository. You can search across all test data in one location, which allows sharing, collaboration and fast provisioning of test data across all of your test environments.



Testers can take subsets of data from a test environment and place it in a central test data warehouse for later use. They can name and tag these data sets so these can be searched later on and used in testing.

About Informatica

Informatica is a leading independent software provider focused on delivering transformative innovation for the future of all things data. Organizations around the world rely on Informatica to realize their information potential and drive top business imperatives. More than 5,800 enterprises depend on Informatica to fully leverage their information assets residing on-premise, in the Cloud and on the internet, including social networks.



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