TDM V7 Demo

Presented by: Tali Einhorn

Agenda

- TDM Overview and Key Features

- TDM 7 High-Level Architecture:

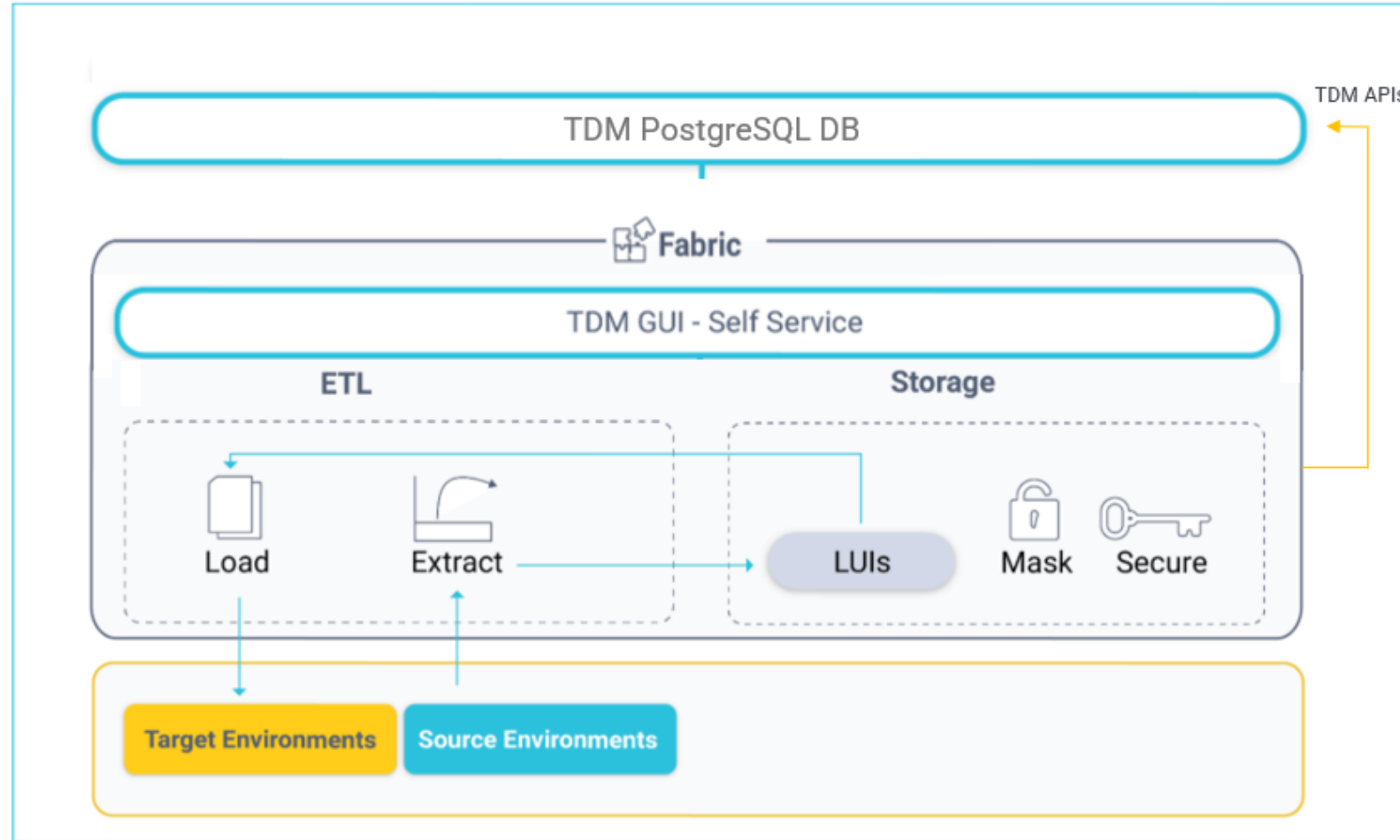- Task Execution

- TDM Roadmap

What is the Test Data Management (TDM) Platform?

- **Automated solution for provisioning subsets of Business Entities** from source systems into selected testing environments to provide real, high-quality data to testing teams

- The data of the Business Entities is often **split between different data sources.** Running functional tests on a Customer requires provisioning their data from all relevant **source systems**.

- **Provision Real and Masked** test data **on demand** from any source environment **to any target test environments** - in minutes.

TDM V7 Fully Integrated with Fabric - High Level Architecture

- Integrating the TDM GUI (client and server) into the Fabric Web-Framework

TDM APIs

TDM PostgreSQL DB

Fabric

TDM GUI - Self Service

ETL

Storage

Load   Extract   LUIs   Mask   Secure

Target Environments   Source Environments

Key TDM Features

- Built-in **self-service Fabric web application** where testers can request data to be provisioned on-demand and in real-time.

- Data **sub-setting**:

    - Provision an entity list

    - Provisioning a sub-set of entities based on **predefined parameters**.

- **Synthetic data** generation: cloning a given entity into the target environment.

- **Replacement of** sequences of provisioned entities to avoid duplication in the target DB**.**

- **Data masking** on an entity-by-entity basis.

- Support for up-to-date data of the selected entities.

- **Data Flux features**: save (extract) version of a selected entity list for backup and reload the selected version to the target environment.

- Provisioning of **data on-demand** or **automatic provisioning** based on scheduling parameters.

Key TDM Features – cont.

- Support multiple **Data Centers distribution**: the data is extracted from the source location (DC), stored in Fabric, and is distributed automatically by Fabric between the DC's. The TDM runs the load task on the target environment's location (DC).
- Support **using the TDM APIs by external applications**.
- Support an override of the task execution parameters:
  - Overriding the task execution parameters without changing the task data
  - This enables **using the task as a template** that can be executed by different users on carious of testing environments.
  - Currently this option is available when execution a TDM task using the TDM API outside the TDM GUI
- User management:
  - Adding user IDs or user groups to a TDM environment

TDM7 – Knowledge Base

- TDM articles are available in the Knowledge Base:
  - https://support.k2view.com/Academy_6.5/articles/TDM/tdm_overview/README.html

Thank You