

A secure master data service to streamline tracking and tracing

Relieving data overload

When it comes to product traceability and asset tracking, the size of the data load can easily become unmanageable. Dedicated servers and repositories need to handle hundreds of thousands of transactions as thousands of individual products move between locations, split, join and mix. The same is true of asset tracking where the movement and status of entire equipment inventories are registered every minute or hour.

The sheer size of the data is compounded by the need to manage non-transactional data related to the items. This includes thousands of unique identifiers, electronic product codes, the names of companies and contact information.

TraceTracker Master Data Service (MDS) relieves the dataload and optimizes the tracking and tracing process by securely storing relevant master data. It serves as an ideal companion for servers such as EPCIS repositories. The MDS focuses on slowly changing master data, so EPCIS repositories can be freed up for event data and transactional data.

The MDS comes with REST and SOAP APIs that enables data integration which fits seamlessly into any SOA architecture. Integrated into existing applications and workflows, it streamlines traceability data flows. And, as a subscription based service (SaaS), it is available at any time from any location.

Features

- SOAP and REST interfaces
- Robust user interfaces
- Automated uploading options
- Hosted cloud service available 24-7
- Role-based security settings
- Compliance with all relevant industry standards: GS1, EPCIS and others
- Affordable set up and subscription fees
- No license fees
- Scalable for companies of all sizes
- Integrates easily with existing IT infrastructure and applications

Benefits

- Relieve the data load from traceability databases such as EPCIS repositories.
- Provide a single version of customer "truth" to all customer-facing channels, front end back office systems.
- Support multiple organizations within the same server environment.



Master Data Service (MDS)

Standard compliant

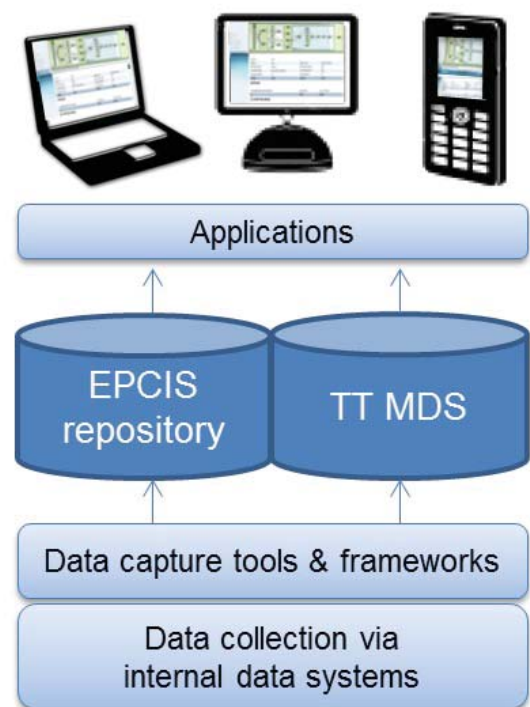
The TraceTracker MDS streamlines product traceability and asset tracking, based on a set of data sharing standards called EPCIS (Electronic Product Code Information Services) from GS1. The standards define two types of data that are needed to facilitate data exchange between diverse databases: event data and master data. The event data is generated when business processes take place such as when an item is registered at a location, or when it changes status. This type of information is stored in EPCIS repositories, but it requires additional data to provide context.

Master data provides context and explains what the event data refers to. For example, an event could record "Item x, was registered at location y at time z." In this case the master data would provide the necessary background information needed to interpret the message. For example "x refers to a package of cereal" and "location y refers to the main warehouse at 75 Grand Street in Minnesota owned by company ABC".

As business occurs, the number of transactions and events grows dramatically, but the amount of master data remains relatively constant. By focusing on master data, the TT MDS enables other servers to have increased capacity to meet this growing data load.

Functionality

- Stores master data related to products, assets, locations and organizations.
- Acts as the business process hub for all master data.
- Integrates seamlessly with EPCIS repositories such as TraceTracker TIX.



Contact us for a demo today!

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