



MANTA

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IT Administrative Training

MANTA Resources:

Here's a list of MANTA resources that will come in handy not only during the training, but also on an ongoing basis, when you start working with MANTA platform.

- [Knowledge Base](#)
- [Troubleshooting Articles](#)
- [How-To Articles](#)
- [Help Desk](#)
- [Release Notes](#)

What MANTA Does

MANTA originated as a solution based on ongoing challenges in the realm of data lineage and data lineage collection. As more complex logic has been embedded—such as SQL code, complex stored procedures, and reporting mechanisms—deciphering lineage and making use of it has become more and more challenging for organizations of all kinds.

MANTA's unified lineage platform gives these organizations a helping hand by efficiently harvesting lineage and its functionality across a growing number of technologies, which can automatically be executed end-to-end.

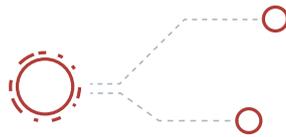
How MANTA Works

①



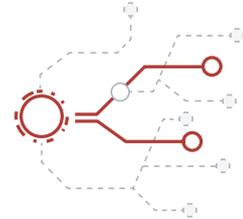
MANTA Flow crunches custom SQL, ETL, and BI code

②



Documents lineage along the way

③



Visualizes data lineage in an interactive map or pushes it to a third-party data governance solution

All lineage is captured at the attribute-level/column-level

Please note: Foreign key relationships from database scans are not (captured as) lineage

- MANTA connects to technology sources and downloads code from there. (MANTA parses only the code! The source data and data values remain untouched.)
- MANTA parses and analyzes the code and documents attribute-level/column-level lineage.
- MANTA stores the harvested metadata in a graph database to present the lineage in MANTA Flow Viewer (our native visualization).
- The lineage can also be exported to a third-party governance solution.
- MANTA also has **REST API** that can be used to view and query the gathered lineage at a greater level of detail.
- MANTA also has a **custom metadata import module** that can be used to ingest any technology that is not formally supported by MANTA yet.
- The MANTA platform is flexible. **You can run scans as often as needed or automate the scans** (via Shell for Linux and Windows batch scripts).

Manual vs. Automated Data Lineage

There are two main approaches you can take to achieve lineage—a manual approach or an automated approach. The automated approach has significant advantages over the manual one. Here is the rundown.

Manual Approach to Lineage

- Expensive setup
Expensive refresh/updates
- Error prone
- Time consuming
- Takes a long time to deliver partial results
Impossible deliver complete results
- Hidden effort on internal resources
- Limited to project needs

VS

Automated Approach to Lineage

- One-time setup
Close to 0 maintenance
- Accurate
- Continuously up to date on a daily/
weekly/monthly basis
- More complete lineage with better
coverage of the environment
- Extra benefits from completeness
and accuracy—use for self-service,
impact analyses, and supporting
other projects

Business Benefits of Using Automated Lineage

MANTA's unified lineage platform is designed to allow organizations to unleash the true potential of knowing how their data flows and its transformations, not only for technical tasks but also to unlock numerous business benefits.



Achieve Regulatory Compliance

Interactive visualization allows you to create documentation for regulators (Basel Committee, FCC, national banks, etc.).



Increase Transparency

Bridge the “understanding gap”. MANTA lineage reflects the actual sources and data paths and helps establish common ground for agreement between business and IT.



Unlock the Potential of Your Governance Solutions

MANTA's ability to connect to multiple third-party solutions allows you to fill in the blanks in your data lineage.



Improve Productivity

Significantly reduce the time and effort your development teams spends on impact analysis, application migrations, and modernization projects.