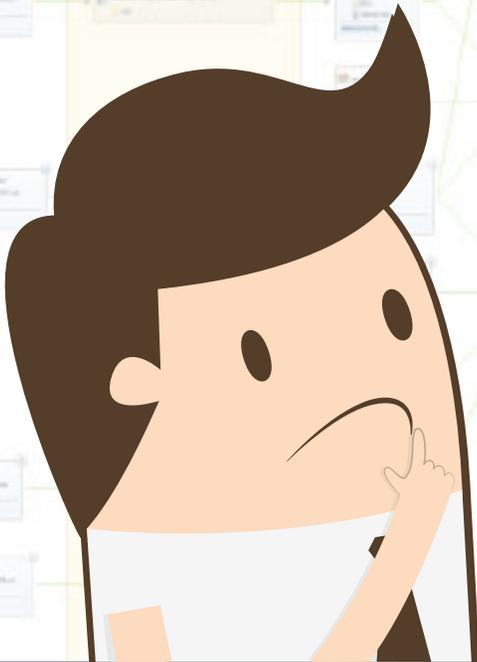


THE DEVIL IS IN THE *(LINEAGE)* DETAILS

The perplexing question is...

*...How can I quickly automate
metadata extraction?*



METADEX™ REVOLUTIONIZES METADATA EXTRACTIONS TO ENRICH YOUR DATA CATALOG

How Lineage Makes Your Life Easier:

Think of your next vacation and it's certain that you're reliant on more than just one application to drive to your next destination. You expect more than just basic navigation so that you can route around cumbersome traffic or seasonal construction that will result in a frustrating late arrival. The same goes for data lineage, you want more than just source to destination mapping and visualization. You need to know the underlying

risks only accessible in the details which lie in your data's transformation journey. In the past, there has been no way to quickly automate the complete metadata extraction, but the good news is Compact Solutions' analytic algorithms can now investigate and decode lineage by crawling your data repositories as well as transformation logic.



How to Communicate Lineage Value:

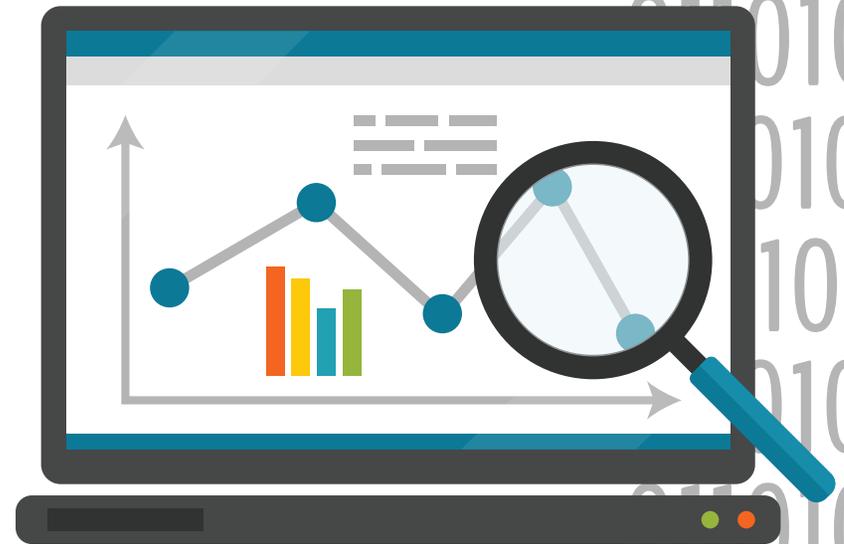
The easiest method to make your point that lineage is valuable to both IT and the business is to simply walk into any meeting and ask a few simple questions. Can you tell me the source of the data on that report? What transformations were done on the data before it was put in that report? And so on. 9 out of 10 times, no one knows the answer or lacks the tool to quickly find the answer. Too often the information lies deep in the organization with an expert resource that is the only person that knows the answer. If data is truly an asset, then lineage must be available to the masses and not locked away. Visibility is key!

“Can you tell me the source of the data on that report?”

“What transformations were done on the data before it was put in that report?”

Understanding Lineage Complexity:

The virtues of end-to-end lineage have never been fully realized due to the manual complexity of mapping out source to destinations in some spreadsheet that only becomes outdated the day after it was completed. Data is a living asset that constantly changes and for data lineage to have value it must be trusted-- by being both reliably accurate and regularly and automatically updated. The complexity lies hidden not only in the simple source to destinations relationships of your metadata, but in the transformations in between. Compact's MetaDex extracts all the hidden details both from your data and applications and makes them available to you, automatically.



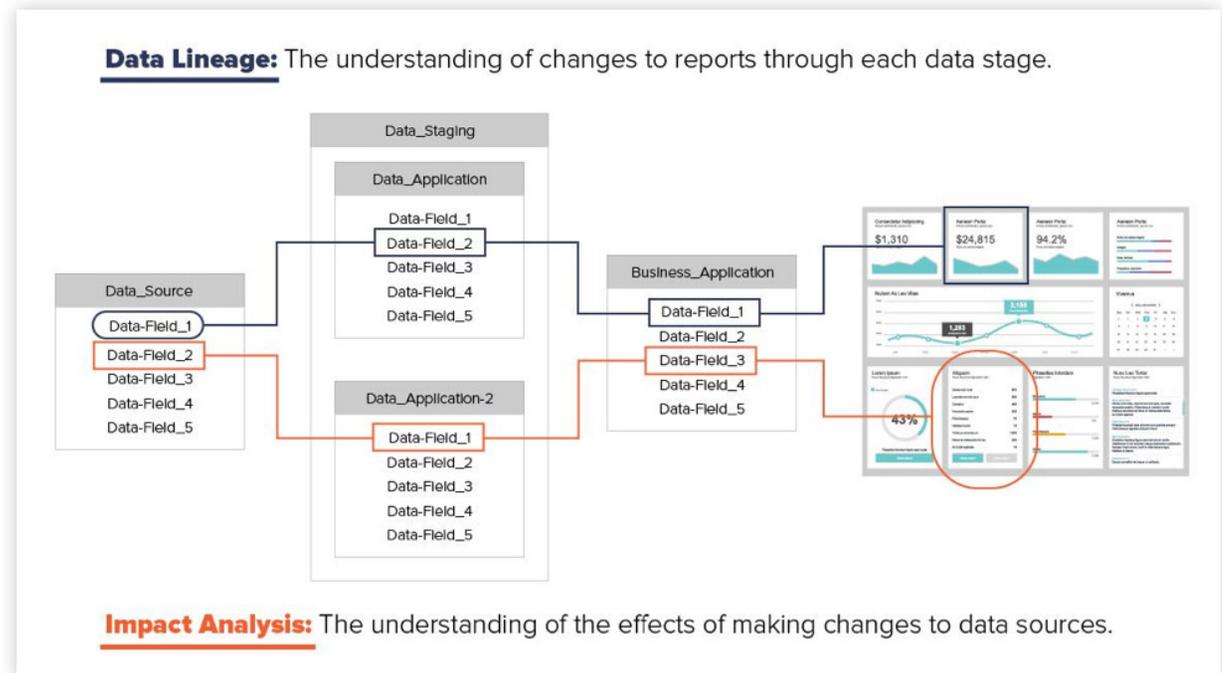
Elegantly Solving Lineage Transformations:

This is the historically tricky part to automate. Organizations must parse through the stored procedures and scripts to reveal the transformation between the source to target mappings. The traditional method is by putting a pair of eyes on the stored procedures and scripts to decode what has happened to the data. This is especially difficult when the person or external vendor that created them is no longer around for reference and it becomes a reverse engineering exercise.

At Compact Solutions, we engineered an eloquent way to automate this process with a proven offering called MetaDex™.

With MetaDex™, you can quickly:

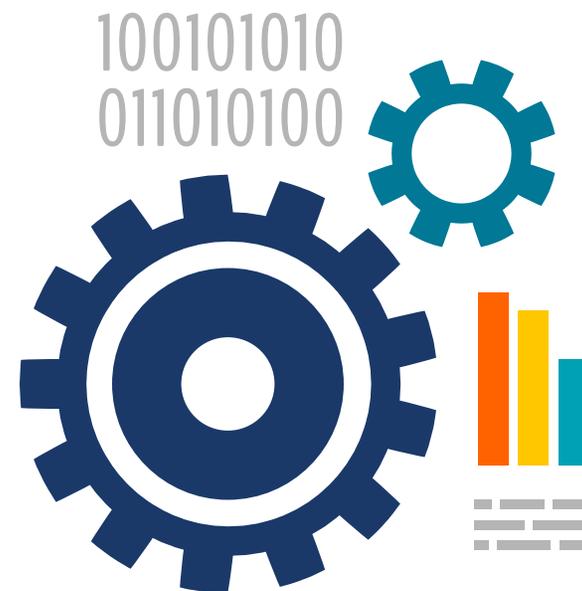
- Understand movement to the level of every single database column
- Visualize data at the data file field
- See every single component in an ETL job
- Access every single expression being applied to the data from source to target



The Bonus of Lineage Visualization - Impact Analysis:

A picture is worth a thousand words. When you have a graphical visualization of your lineage, Impact analysis also becomes possible as a side effect. Going from target to source is lineage. Going from source to targets is impact analysis. This enables you to quickly understand the impact of any changing data object or application on all downstream objects and applications to:

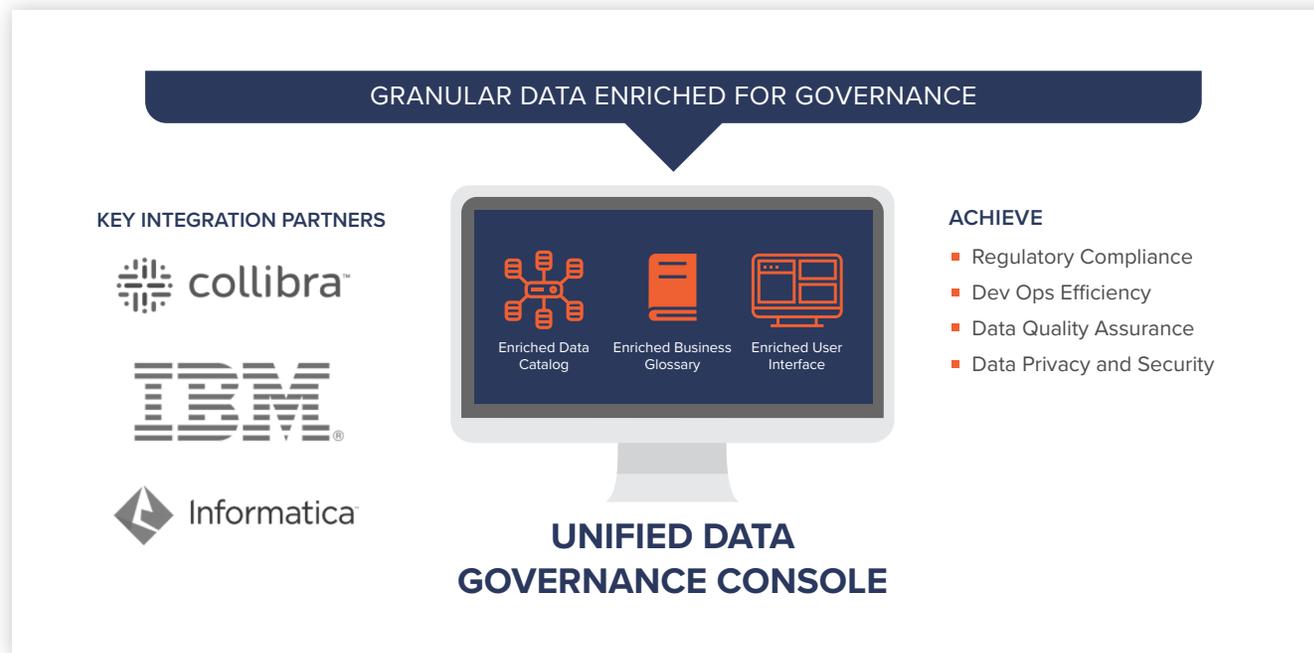
- Know which tables, ETL jobs or BI reports are affected by a single field change
- Understand which elements of your system should be taken into account when planning the change and tested after the change is implemented
- Access a complete list of affected assets for every change you are about to make



The Power of Lineage Enrichment into your Data Catalog:

Lineage has limited value unless it's shared. Of course you can approach data governance from a top down perspective focusing on key metrics and data definitions but at some point in your data governance maturity it must be coupled with bottoms up granular metadata lineage. Compact Solutions Unified Data

Governance Framework™ threads together the devil in the data lineage details into your data catalog through an automated framework to build a map of your internal applications showing where data comes from, what applications utilize it, and where it goes next.



With this approach the perplexity of “How to quickly automate your metadata extraction” becomes a reality to achieve unified data governance with automated lineage from mainframe to big data all integrated into leading data catalog’s – Collibra, IBM, Informatica and more.



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