

# METADATA CONNECT

## *Metadata Connect*

An Executive Overview

## The Problem



It isn't possible to understand the big picture when you are standing too close to it and can't see the connections between things. Databases can organise data and let you search for similarities or things that match your needs, but they aren't always as good at representing the many types of connections between data items.

The number of types and the scale of the information to organizations today is beyond the scale of human comprehension. The data is in too many places, using multiple representations and it is difficult to combine abstractions in meaningful ways as most visualization tools concentrate on value-based patterns, not connection patterns.

## The Solution: Metadata Connect

### What Is Metadata Connect?

# METADATA CONNECT

Metadata Connect is an enterprise solution for storing, managing and analyzing metadata - “data about data”.

- **Efficient**
  - Metadata Connect stores both metadata and the connections between pieces of metadata in a highly efficient manner.
- **Navigation**
  - Metadata Connect supports simple and extremely fast navigational queries.
- **Pathfinding**
  - Quickly find the shortest or all paths between pieces of metadata.

With Metadata Connect you can quickly query highly interconnected metadata.

## Who Needs MC?

Every organization has data. They also have metadata but generally lack the ability to efficiently store and query the many kinds of interconnections. Metadata Connect not only manages and makes metadata more accessible, its underlying database resides in a Spark environment, making it possible to use Artificial Intelligence tools, such as the Spark Machine Learning Library, to extract more value from the metadata.

## Why MC?

Metadata Connect is unique because it:

- Can handle massive amounts of highly interconnected metadata.
- Provides a fused view of metadata from and about multiple sources.
- Simultaneously handles real-time streams or data at rest.

## Interactive Development

The descriptions of the metadata types and the various types of connection between those types can be entered using a simple browser-based interface.

## Scalable Metadata Capture

Small amounts of metadata can be loaded manually. Larger amounts can be loaded from Comma Separated Value (CSV) files. Metadata can also be captured in real-time by embedding software hooks in external applications. The hooks access Metadata Connect via its REST API.

## Standard, Navigational and Pathfinding Queries

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Unlike traditional business intelligence or visualization applications, Metadata Connect has powerful means of accessing both metadata content and the interconnections.

## **Standard Interfaces To Powerful Analytic Tools**

Integration with Spark, hosted on the Microsoft Azure cloud platform, brings hundreds of powerful open source tools to the table, making it possible to expand and adapt a system as requirements change or grow.

## **Try It Now**

Access more detailed information in the Resources -> [Documentation](#) area, then try Metadata Connect in the [Azure Market Place](#).