CTI DATA

We are business and technology advisors and engineers helping companies manage their most ambitious digital transformation initiatives.

Strategy

Helping accelerate growth and value creation by identifying new ways of doing business.

Transformation

Embedding technology in business strategy and processes using proven methodologies.

Data Analytics

Creating modern data marketplaces and innovative advanced analytics.

Data Fabrics and Digital Transformation

Unlock the Value of Data, Faster

As companies look to harness their data to drive digital transformation, they face a sprawl of information across disparate data stores, locations, clouds, and in some cases, vendors. As a result of this, no meaningful value can be derived without integration, transformation, and orchestration.

Digital transformation projects often fail to meet expectations because of high-cost and low-value data integration cycles, frequent maintenance, and dynamic demand for real-time and event-driven data sharing. These challenges, left unmet, lead to:

- The inability to realize value from data assets.
- A slow adaption of data-driven business rules, algorithms, and functionality.
- A lack of user acceptance because data is hard to trace and trust.

The Importance of Data Fabric in Digital Transformation

Data fabrics play a significant and critical role in the success of digital initiatives by creating a network of trusted information that powers business applications, AI, and analytics across your enterprise.

Smart data fabrics enable business agility providing users frictionless access to and exploration of increasingly complex data and systems.

We provide solutions to address the challenges that result from a hybrid and multi-cloud data landscape. We use automation and the augmentation of data integration, federated governance, and metadata activation to enable dynamic and intelligent data orchestration across a distributed landscape, creating a network of instantly available information to power your business.

Design Philosophy

Begin with a "cloud first" approach.

Plan for workloads that should not move to the cloud.

Never move problems to the cloud.

Solution Components

Data Science & ML

Hybrid & Multi-cloud Architectures

Data Streaming, Fabric and Mesh

Data Warehouses & Data Lakes

Data Governance
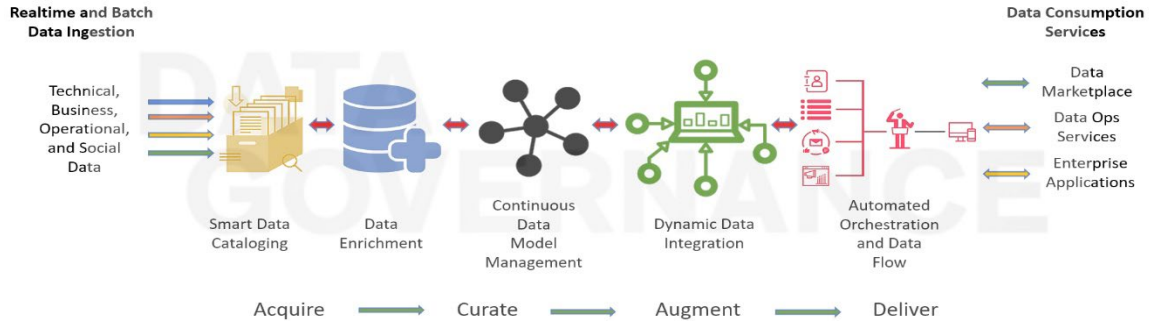
Data Privacy & Protection

Contact Us:

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The Data Fabric Platform

We create data fabric architectures and implementations that incorporate the following:

1. A cloud-first design strategy
2. Intelligent data integration and management
3. "Grass-roots" data governance
4. Frictionless data asset acquisition
5. A managed data marketplace
6. Automated data preparation
7. Activated metadata, data cartography, and semantics

Our Approach

We focus on the three critical elements and benefits of an effective data fabric and offer our clients consulting services related to this proven approach:

Fabric Architecture
We combine all data governance, security management, and integration into a single platform by connecting all data sources. This agile platform provides a layer of data management, making it available to business users without the need for IT support.

Managed Data Marketplace
We facilitate data allocation for sharing and granting permissions according to individual needs. As a result, information is always up to date, has zero latency and augmentations by providers are instantly available to the recipients.

Automation and DataOps
We improve the velocity, quality, predictability, and scale of software engineering and deployment by automating all stages of the data flow. Continuous data delivery provides on-demand IT resources and supports test and development of software.

Contact us to explore our real-world case studies to learn more about how we've helped our clients weith their digital transformation initiatives.