COMPOSITE
— SOFTWARE —

Composite Data Virtualization

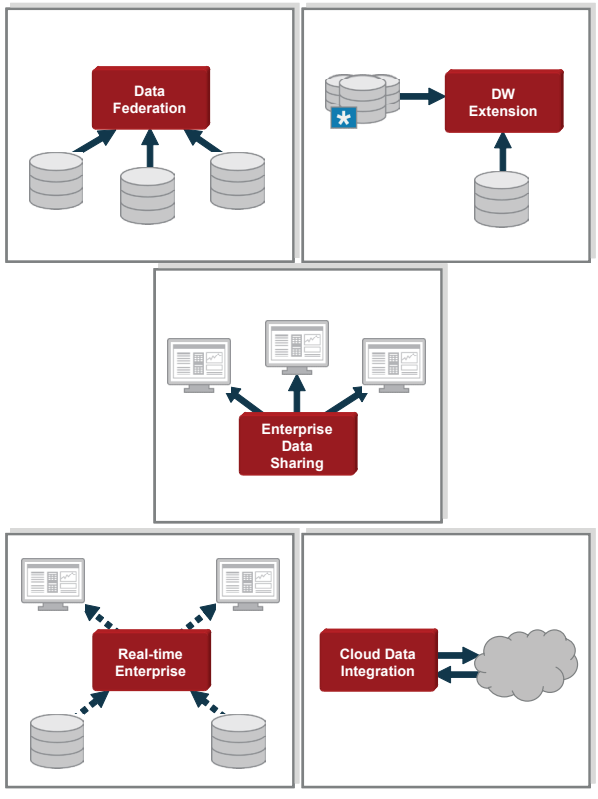
WHY IS DATA VIRTUALIZATION IMPORTANT?

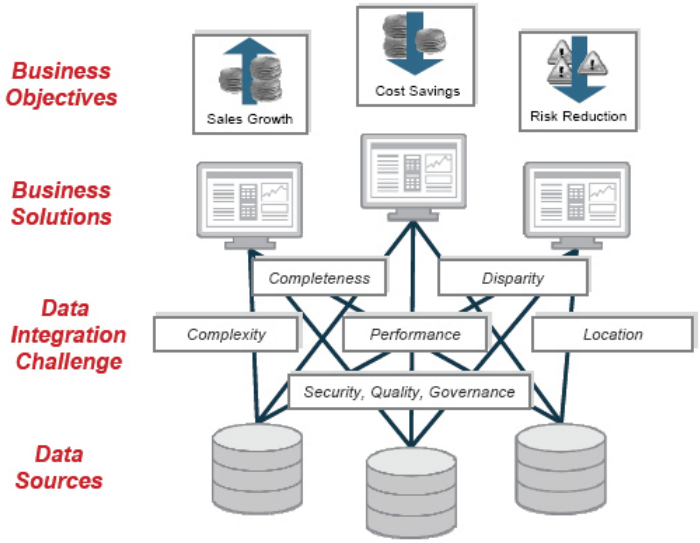
Large enterprises and government agencies face similar challenges including:

- Constant business change necessitating rapid IT response;
- Growing data volumes and complexity that increase risk and reduce agility; and
- Financial constraints necessitating more cost-effective IT solutions.

Traditional data integration approaches such as consolidation and replication alone are unable to keep pace.

Seeking greater agility, lower costs, and less risk, organizations increasingly rely on Composite to meet their most critical information needs across a range of data virtualization usage patterns.





WHAT IS DATA VIRTUALIZATION?

The Composite Data Virtualization Platform includes high-performance query middleware and complementary offerings that integrate data from multiple, disparate sources - anywhere across the extended enterprise - in a unified, logically virtualized manner for on-demand consumption by a wide range of front-end business solutions

Benefits include:

- **Business and IT Agility** – Beat competitors by responding faster to new and rapidly changing information demands;
- **Cost Savings** – Save staff and infrastructure resources from the start. Compound these savings over time; and
- **Risk Reduction** – Increase project success via rapid development and quick iterations.

HOW DOES COMPOSITE DATA VIRTUALIZATION SOLVE TODAY'S CHALLENGES?

The Composite Software Data Virtualization Platform addresses enterprise-scale data integration challenges while avoiding the higher costs and longer lead-times associated with data consolidation and replication.

- **Query Optimization** – Up-to-the-minute data is a key business requirement. Composite's industry-leading, high-performance query optimization algorithms and techniques deliver the timely data required by consuming solutions on demand, without impacting source system performance.
- **Incomplete Information** – Data frequently needs to be combined with other data to provide insight. Composite's data federation virtually combines multiple sources, both inside and outside the firewall, without the cost and overhead of physical consolidation.
- **Source & Consumer Disparity** – Data is diverse, with source structures and consumer needs rarely a match. Composite's data abstraction transforms raw data from its native structure and syntax into high-quality views and data services. Semantically meaningful, standards-compliant and reusable, these objects are easy for solutions developers to understand and for solutions to consume.
- **Complexity** – In large enterprises, data is often difficult to identify and understand. Composite's data discovery automates entity and relationship identification and accelerates data modeling to overcome data complexity.
- **Multiple Physical Locations** – Data is hard to reach, residing in multiple repositories and locations. Composite's data access securely exposes required data, making it available from a single virtual location, regardless of where it is physically stored.
- **Security, Quality & Governance** – Data is a critical asset that must be governed. The Composite Data Virtualization Platform fully implements authentication, authorization, encryption and quality policies and standards to ensure maximum control.

HOW DOES DATA VIRTUALIZATION WORK?

The Composite Data Virtualization Platform is a complete software development and run time environment.

During requirements development and high-level design, Composite Discovery helps to discover and model key entities and relationships.

At build time, developers use the Composite Information Server's two, easy-to-use development environments (Relational and XML) with automated code generators, to create high-quality, semantically meaningful, standards-compliant views and data services. Rich tools enable complex federation and transformation functions. Standard adapters simplify access and publication development activities. And the Manager controls security, metadata, source code and more.

Composite Applications Data Services, with pre-built objects for leading ERP suites and SQL to MDX translators, further automate and accelerate critical view and data service development activities.

At run time, the Composite Information Server's query engine – the data virtualization performance leader – securely queries, accesses, federates, abstracts and delivers data to consuming business solutions on demand. Multiple caching options provide additional speed and flexibility. Enhancing the Composite Information Server's fully scalable architecture, Composite Monitor and Composite Active Cluster provide the monitoring, load balancing, high availability and failover required for reliable, 24X7 enterprise-level operations.

WHY USE COMPOSITE DATA VIRTUALIZATION?

Unlike vendors that have only recently added data virtualization to their ETL or BI solutions, Composite Software has spent nearly a decade solving the toughest data virtualization problems for the world's leading global organizations. The Composite Data Virtualization Platform sets the standard with the industry's fastest query optimization algorithms and techniques, highest scaling architecture and richest caching options.

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