

*Experience shows that integrating disparate data systems can be an onerous and expensive proposition. Visiphor has created a new methodology for integration that removes many of the technical, financial, and political barriers to achieving information harmony. The results are rapid deployment, federated queries, smoother mergers, and substantial improvements in productivity.*

## *Briyante Integration Environment*

### PRODUCT OVERVIEW

NEW APPROACH TO INFORMATION SHARING ELIMINATES THE NEED TO CONVERT AND RELOCATE DATA OR MODIFY EXISTING SYSTEMS

#### THE PROBLEM

They're out there, lurking in utility closets and server rooms everywhere. Proprietary and legacy data stores that represented cutting-edge technology when they were deployed, now grind, creak and show their age. The performance characteristics and inflexibility of these systems represent a massive headache for IT professionals tasked with addressing new business concerns.

System life cycles, corporate mergers and demands for improved productivity are common catalysts for data integration. Manually transferring data between systems is considered unacceptable, but many initiatives to unify information are deemed unaffordable.

Executives have become wary of solution providers laying claim to the perfect data integration scheme. These vendors typically offer labour-intensive programming solutions that utilize application program interfaces and ActiveX controls. Most of these approaches fail to address some fundamental concerns that arise during data integration projects, namely data integrity, scope creep, leveraging existing infrastructure, data ownership, and future scalability.

#### THE SOLUTION

With the Briyante Integration Environment (BIE), organizations can securely and easily tie together data from disparate systems into a single view. Because of its Web services-based architecture—built on the Microsoft .NET® framework—BIE allows tremendous flexibility in determining specific data views for varied user groups and agencies. It has earned a reputation for rapid solution development and deployment.

Why is Visiphor's BIE solution so much more attractive? It's because:

- data migration and conversion are unnecessary;
- existing business rules can be applied to data presentation;
- the underlying complexity involved in massaging and connecting data is inconsequential;
- data ownership is maintained at the source;
- it provides excellent scalability in a standards-based, secure architecture; and,

**Rapidly deploy information sharing between disparate systems and business divisions:**

- **MINIMIZE**  
risk through iterative roll-outs—dividing the problem into information sharing subsets and manageable projects
- **MAXIMIZE**  
previous investment in technical assets without re-configuration or transference to new platforms
- **MAINTAIN**  
ownership of information and apply existing access rules to shared data types and user groups
- **MODIFY**  
existing data sharing on-the-fly using an intuitive, visual-mapping environment
- **MERGE**  
existing logic and business rules with new code to create truly useful end-user applications
- **MANAGE**  
future requirements by using a standards-based XML and Web services architecture
- **MITIGATE**  
and control integration costs

- it offers an iterative, divide and conquer approach to application deployment.

## GENERAL VIEW

In BIE deployments, the actual source of the data can be transparent to an end-user. For example, BIE justice implementations allow police officers to view information culled from police agency, motor vehicle, jail, probation and court sources, all presented on the same screen. BIE is adaptable to the display and bandwidth limitations of different mobile devices because it uses efficient data exchange for queries and returned results.

## HOW IT WORKS

Visiphor's BIE bridges information stores without requiring that the data contained within them be moved. The visual tools in BIE allow you to construct connections to multiple databases, drilling down to customize queries and control the handling and transformation of data. The application

then automatically compiles and executes the desired processes.

This "virtual data warehouse" approach holds tremendous flexibility. The system automatically creates optimized SQL statements for complex queries against multiple, disparate data repositories, based solely on the user's input and their security role clearances. Query results automatically transform according to pre-defined normalization, comparison, or consolidation rules. In short, BIE enables users to access and retrieve only the data they need, in a format they can understand, and constrained only by their level of access.

BIE can publish its query and mapped data configuration as a Web service, using UDDI to identify the source system as a "publisher." The Microsoft .NET® framework functions as the messaging layer and the system uses encrypted XML to pass data requests and responses between "publisher" and "consumer" systems.

In BIE, access control is further configured by defining user groups and associated permissions.

Finally, the data queried and gathered from multiple sources can be consolidated into an SSL-encrypted web browser session that offers a single user view of various datasets. BIE provides an SDK to support a custom web user interface.

## STILL NEED TO MIGRATE?

Although not having to migrate legacy data is a major feature of BIE, the application does have substantial capabilities to migrate data. Data can be moved to more powerful hardware platforms and database applications using any number of methods suitable for the particular situation.

## ABOUT VISIPHOR

Visiphor software and services deliver practical, rapidly-deployable solutions that integrate business processes and databases. Using industry standard Web services and Service Oriented Architecture (SOA), Visiphor delivers a secure and economical approach to true, real-time application interoperability.

Visiphor blends its own technologies with those of its partners in order to offer a full range of data, application and business process integration solutions based on best-of-breed platforms. The Company maintains a full roster of qualified and certified specialists that provide the expertise necessary to successfully plan, deploy and maintain integrated systems. Visiphor is a Microsoft Gold Certified Partner.



For more information on our company and products please visit our website:  
[www.visiphor.com](http://www.visiphor.com)

## Visual Construction of Data Flows in BIE

