Session Abstract

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B01 Breaking the Integration Barrier

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VIEW

Integration is the new imperative. Whether you want to build a CRM system or web-enable your order entry, you cannot do it without considering integration. There are as many definitions of integration as there are consultants to tell you how to do it. But what does it really mean? Is it possible? And most importantly, how do you go about it? This presentation provides a simple and memorable map of all of the important aspects of integration - from the business level to technology, from information to process. As the map becomes clear, so too do the positioning of the different types of integration and what type of integration is needed to address any specific business or technical need. We look at examples of some common business needs, from business intelligence to operational efficiency, and show the role played by integration techniques and how the solutions can be defined.

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Breaking the integration barrier

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Business drivers for integration

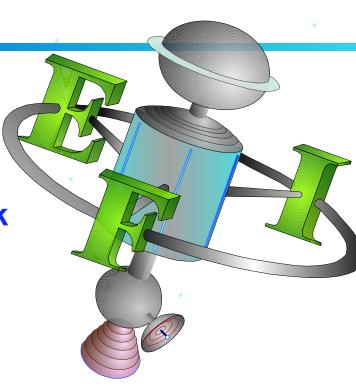
Inhibitors in today's environment

An Enterprise Integration Framework

- ➤ The information aspect
- ➤ The component aspect
- ➤ The process aspect
- Business integration view
- ▶ Design view
- ➤ Implementation view

Putting it all together

- ➤ IBM Industry Models
- Software components
- Services





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The rapidly changing business environment poses difficult questions for all enterprises.

ezneqxE

How can I significantly improve my expense ratios and still move quickly?

Society

What do changing customer needs and regulations mean for my business?

Customers

In a world of suspect loyalty, how do I enhance my customer base?

Products

What new products
a be a liliw
leader?

Marketing

How do I manage my brand(s)? Do I need a new one?

Regulation

How do I satisfy reporting needs at minimum cost?

Technology

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Risk

How can I manage my exposure to the next crisis?

Process

How do I become an e-business?

Organization

Have I got the right but structure and feloped

M&A

What's the right M&A play for me? How can I make it pay off?

Competition

How do I compete with new entrants?

Revenue

How do I compensate for lack of growth in the core business?

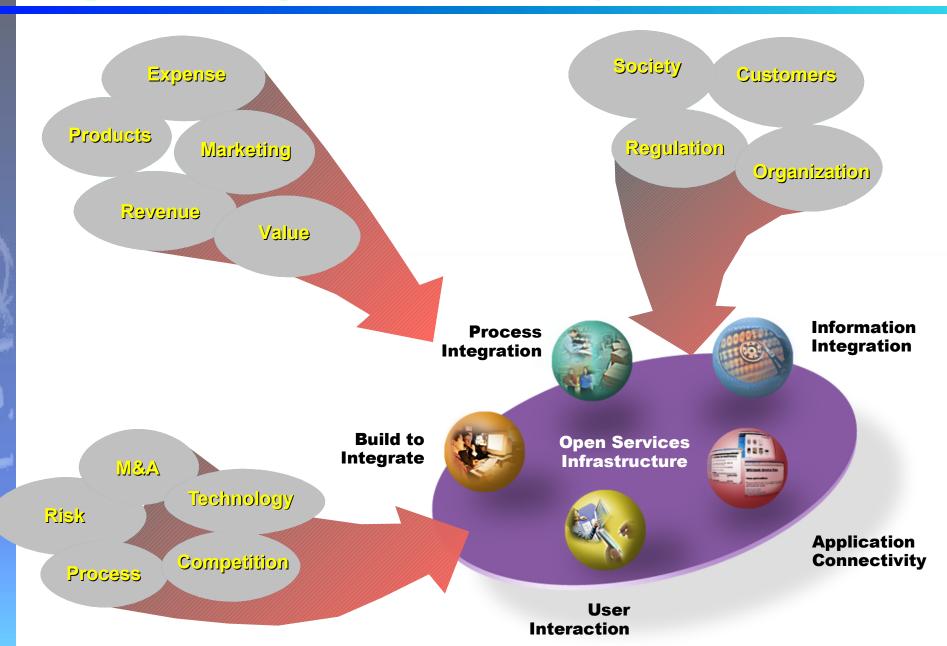
Value

What is my new valueproposition for my profitable customers?



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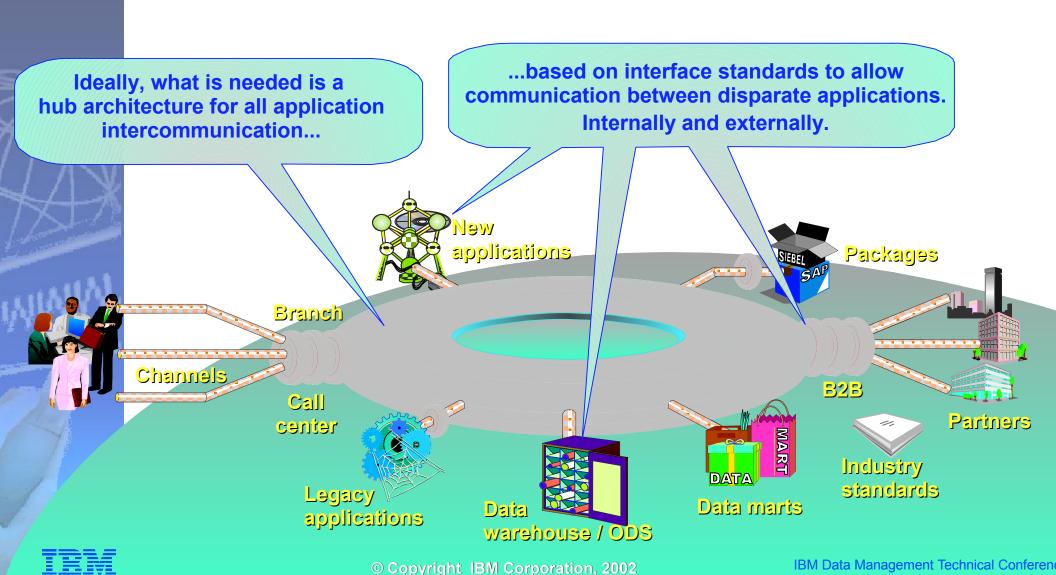
Each of these issues demands extensive integration of existing and new systems in the enterprise.







An integrated infrastructure that can seamlessly interconnec systems and support long-term needs is required.



However, existing IT environments are a complex, unintegrated mix of old and new systems.

This won't be easy! Any new integrated system will need links to almost everything. For example...

...to access a brand new loan application system, which in turn has to...

First, we need to enhance our web channel for PDA support...

...link to our legacy sales scoring system - critical but difficult to upgrade...

...as well as provide data to our warehouse and SAP Financials, and then ...

...link to our credit agencies using industry standards for interchange.

Not to mention, deliver in 6 months!

ranch Cull

Channels

New applications

B2B

Industry standards

Perokage

Partners

Customers

Legacy applications

Legacy warehouse / ODS

Data marts

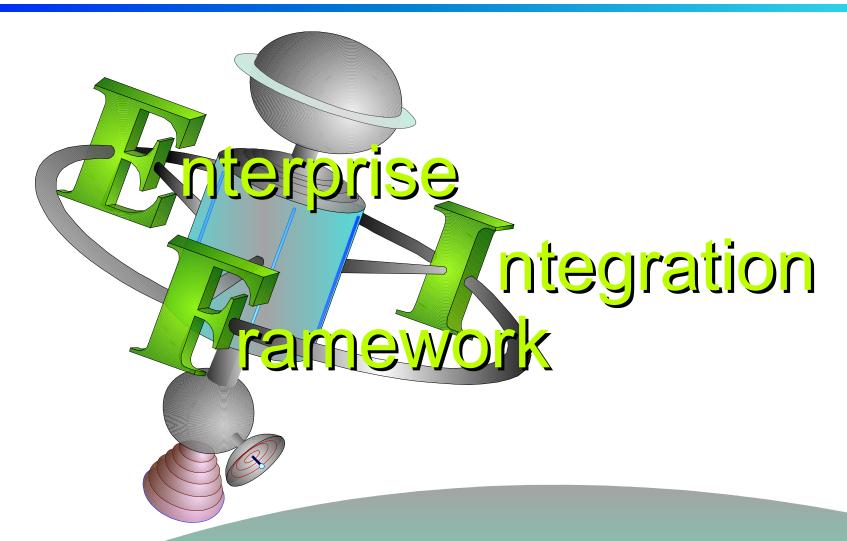
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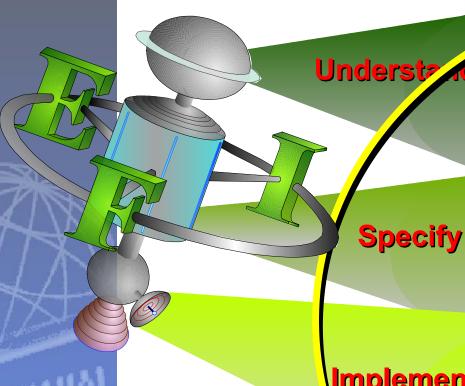
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An Enterprise Integration Framework (EIF) is the basis for defining how to integrate existing and new systems.





An EIF supports all aspects of implementing business initiatives through technology.



Business Integration View

- * Understand the business
- ★ Develop a common set of terms
- * Define the requirements

Design View

- * Define the concepts and their relationships to one another
- * Ensure component consistency across the business



Implement

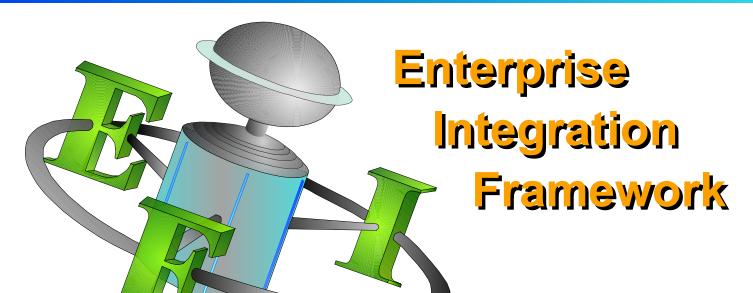
Implementation View

- * Make the technology decisions
- Integrate disparate applications
- Provide consistent comprehensive system support

Common business model integrating all levels of deizi



An EIF is also the basis for innovation through the three related areas of information, function and workflow.



Information

Business meanings

▲ Synonyms / homonyms

Relationships

Basis of business analysis

Component

▲ Functionality

△ Interoperability

△ Objects and messaging

Processes

△ Business processes

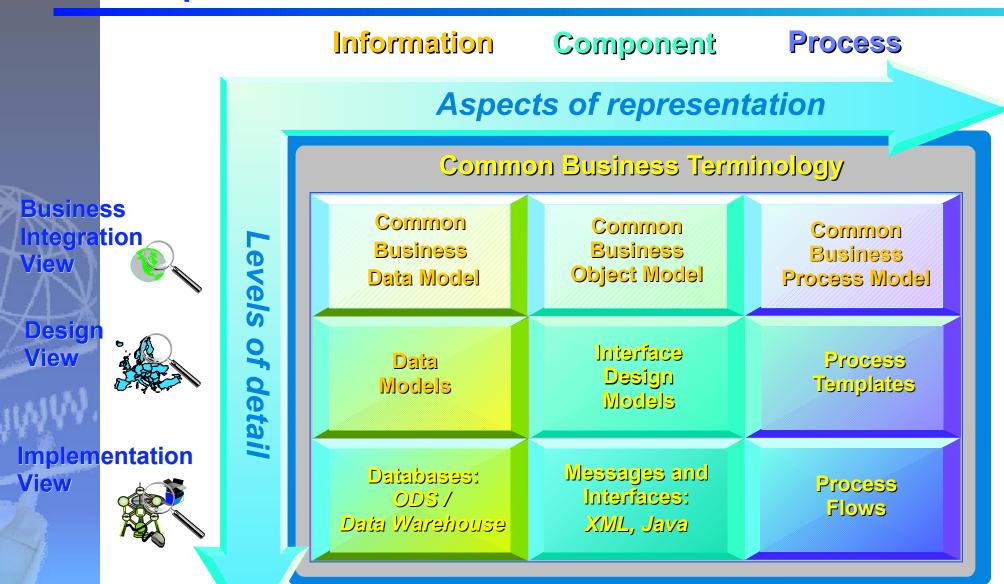
△ Workflows

Activities



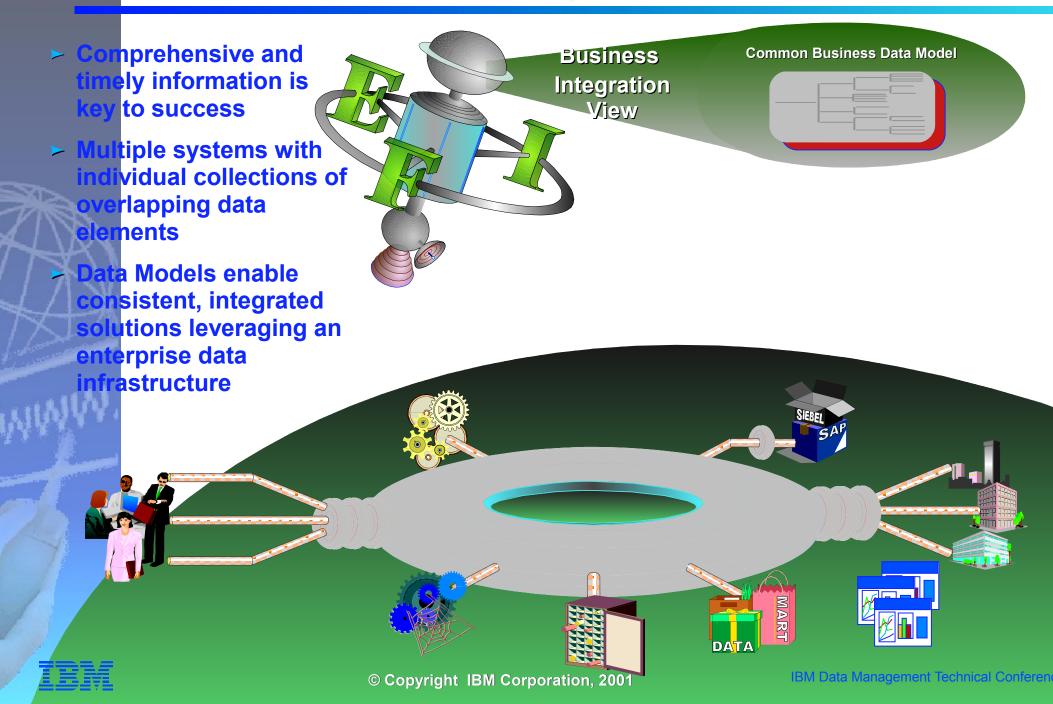


These two dimensions of integration are brought together in a simple matrix.

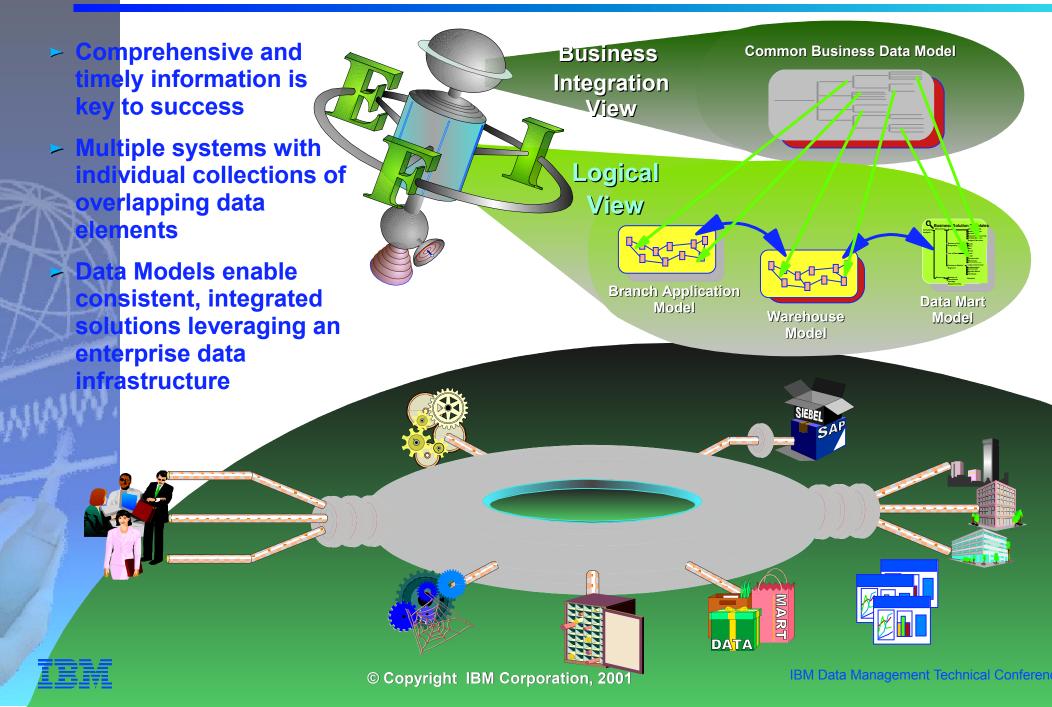




The Information aspect first describes the entire business' information at a unified conceptual level...



The Information aspect then provides an integrated logical view of all data components...

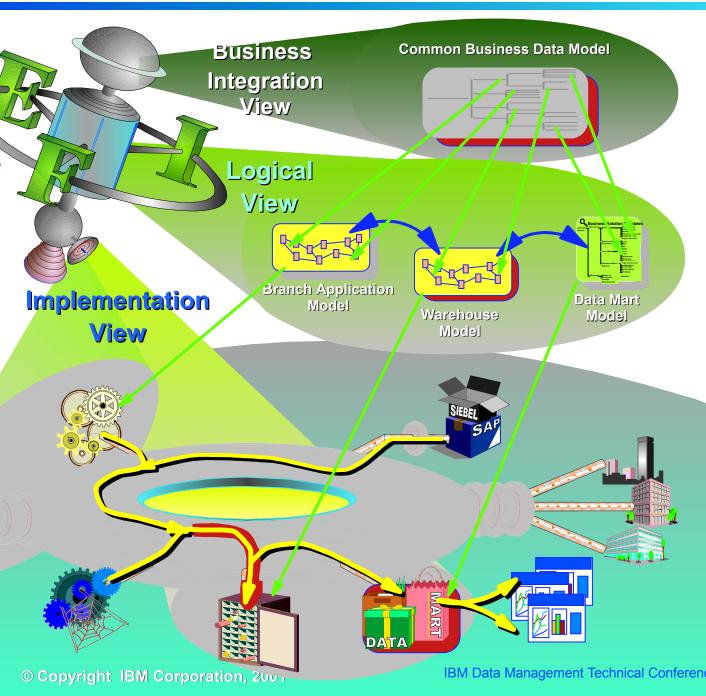


The Information aspect lastly provides a detailed and cross-referenced linkage to implementation.

Comprehensive and timely information is key to success

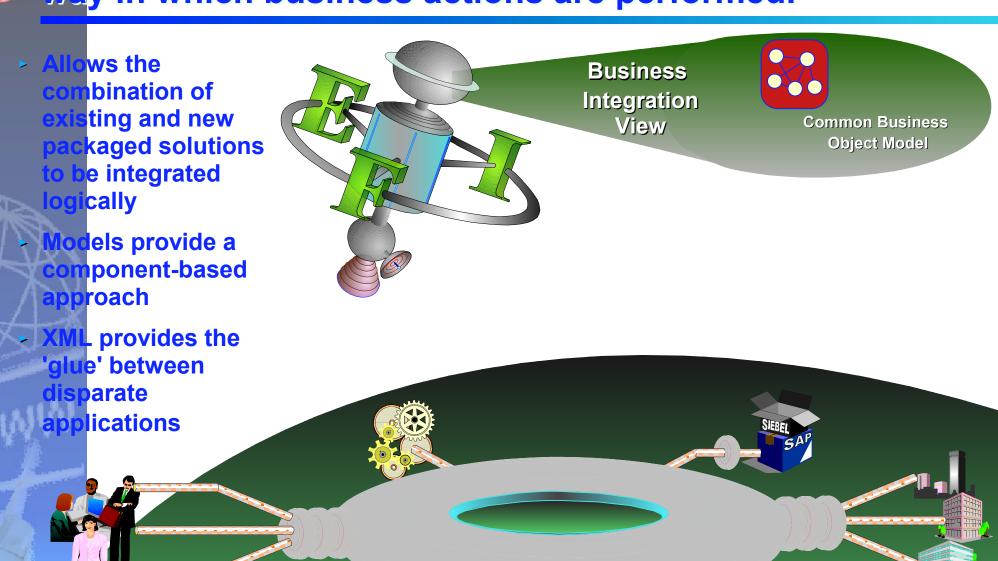
Multiple systems with individual collections of overlapping data elements

Data Models enable consistent, integrated solutions leveraging an enterprise data infrastructure



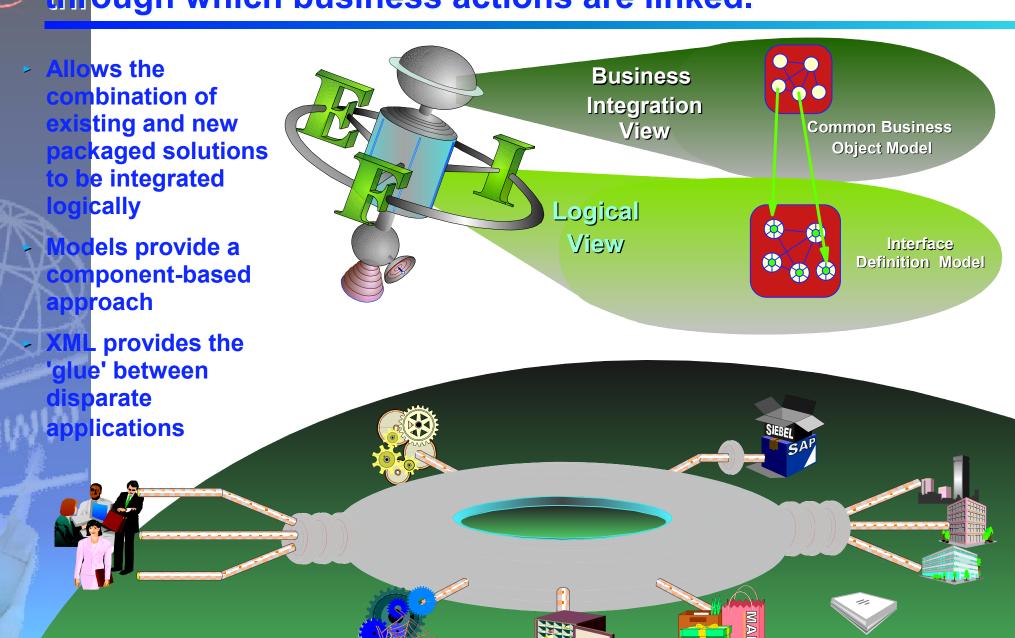


The Component aspect integrates information with the way in which business actions are performed.





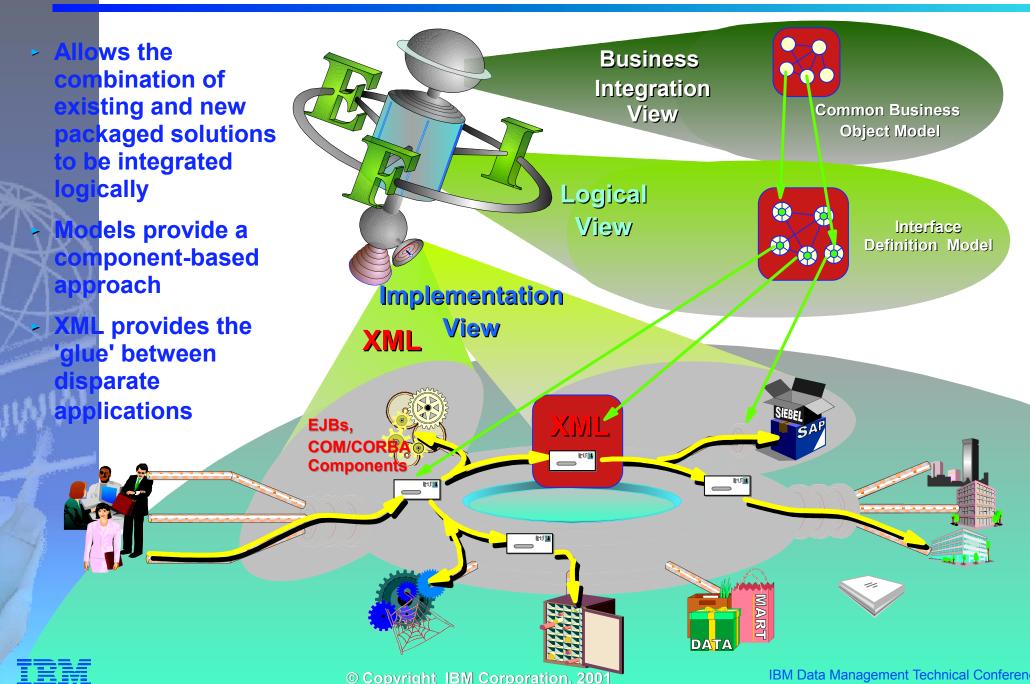
The Component aspect then defines the interfaces through which business actions are linked.



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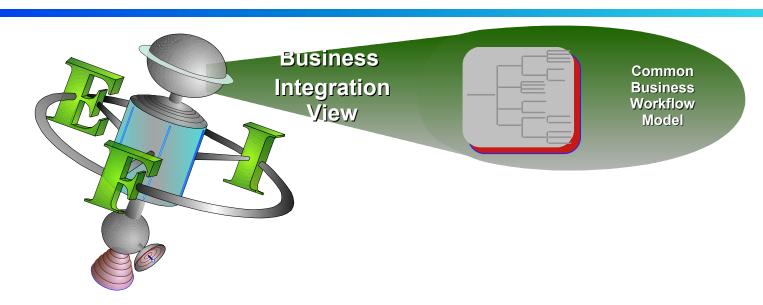
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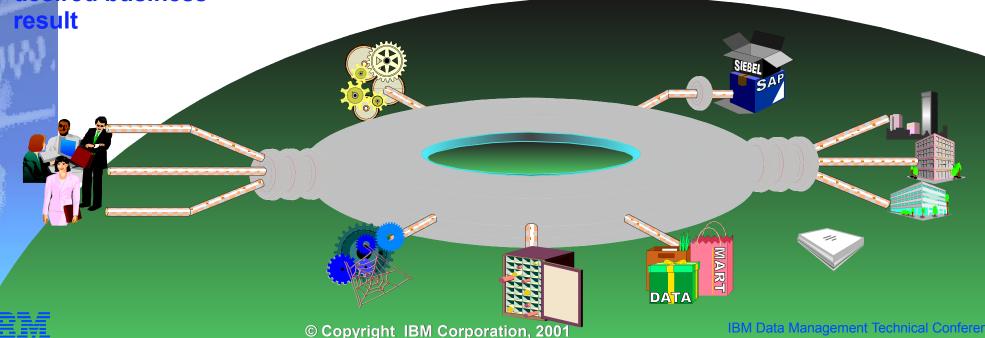
The Component aspect lastly defines the messages through which applications communicate.



The Process aspect integrates and streamline the overall order of business activities...

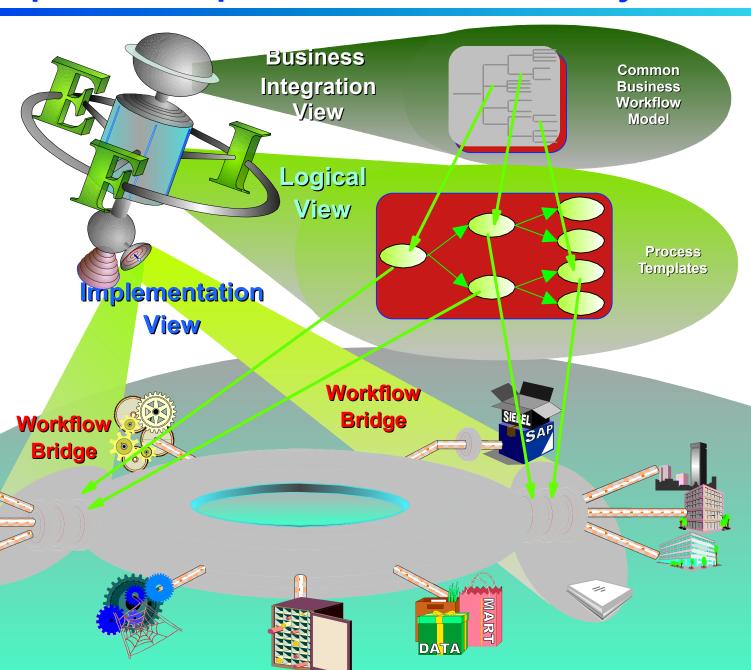
- Common terminology allows enterprise understanding
- Process
 Templates define
 how data and
 function building
 blocks are used
 to effect the
 desired business





The Process aspect then defines the sequence, flow and interactions required to implement business activity.

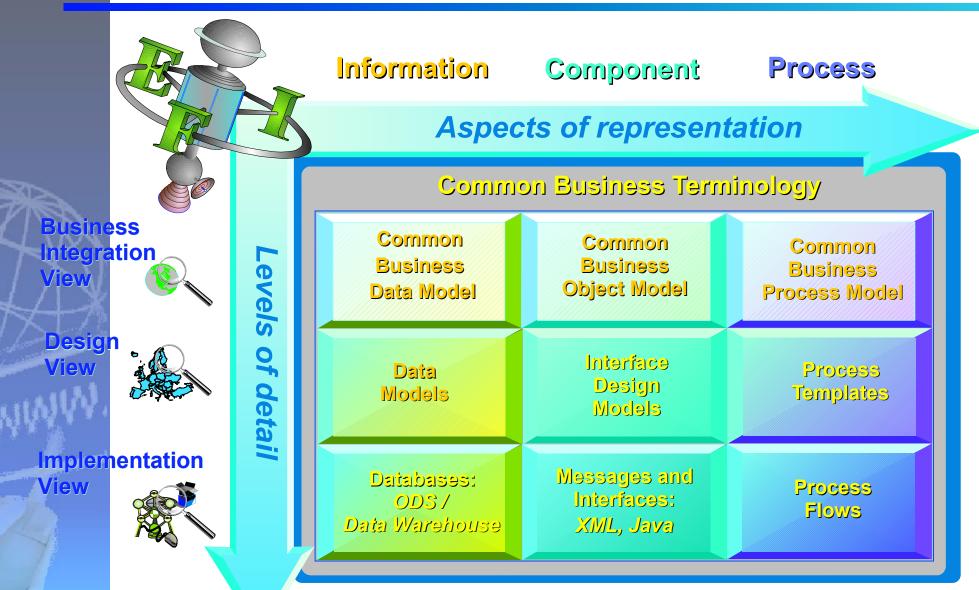
- Common terminology allows enterprise understanding
- Process
 Templates define
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 result







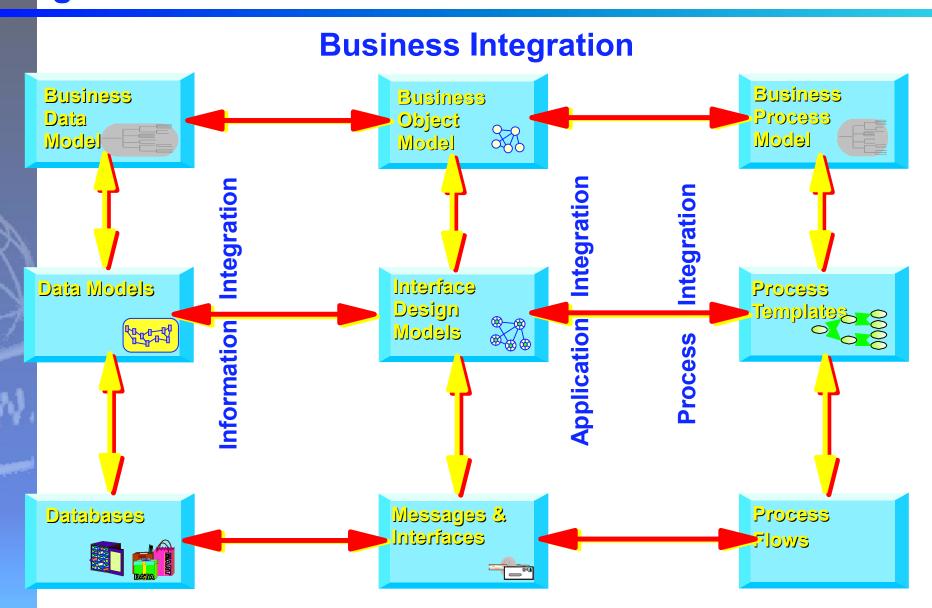
Together, these aspects and levels provide a comprehensive integration framework across business and technology.







The nine cells of the framework describe all aspects of integration.





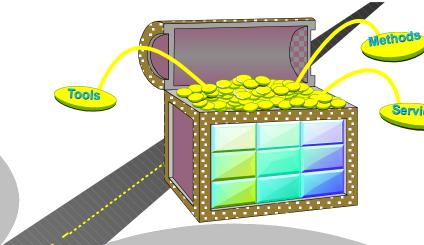


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An integration roadmap is built on industry models, integration middleware and implementation expertise.



- Federation
- Propagation / ETIML
- sisbatell -



Process Integration

- Vorkilow
- staclata v





Application Integration

- o Messaging
- o Hub
- Metadata





With proven models and emerging infrastructure, the time is now right to break the integration barrier.

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Extensive integration middleware

A solid base of real experience

Extending existing, valued systems to support e-business

