Tying it Together
The Mercator Perspective

OMG EAI Workshop
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Jim O’Leary
B2B Market Director
joleary@mercator.com
Agenda

• Perspective on Integration Brokers
• E-business perspective on XML
• Are A2A, B2B, and B2C separate integration problems?
• EAI challenges
• Where OMG can help
Tasks Performed by Integration Brokers

• Interfacing (move data into and out of applications)
• Transforming (convert the semantic content of the data)
• Distributing (move data between applications)
• Routing (determine the destination of data)
• Managing (instrument the process and provide a toolset to support operator control of the process)

Gartner Group ROI Model for EAI (April 1999)
Application Integration -- More Than Middleware

“Interoperability requires the entire interfaces between applications to be standardized. Only 5% of the interface is a function of the middleware choice. The remaining 95% is a function of application semantics.” - Gartner Group
Where Semantics Surface

- Data formats (types, in the full sense)
- Transformation rules (content / context sensitive)
- Target resolution / routing rules
- Transaction rules
- Access control rules
- Service level agreements
Contrasting Three Forms Of Integration

Data Consistency

Multistep Process

Composite Application

Source: Gartner Group
where it adds value:

- Common message payload format
- Self-defining payloads
- Tools (~ skills) portability

where it falls short:

- No transport, security, transaction, etc.
- Limited value without robust schema
- Human readability overrated
### A2A / B2C / B2B - Separate Problems?

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<th>Feature</th>
<th>A2A</th>
<th>B2B</th>
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<td>Synchronous integration</td>
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<td>Asynchronous integration</td>
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<td>Security</td>
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<td>Message management</td>
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EAI Challenges

- B2B Interoperability
- Integration Management
- Robust Operation
- Methodology / Best Practices
- Ease of Use