

Tying it Together

The Mercator Perspective

OMG EAI Workshop
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Agenda

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

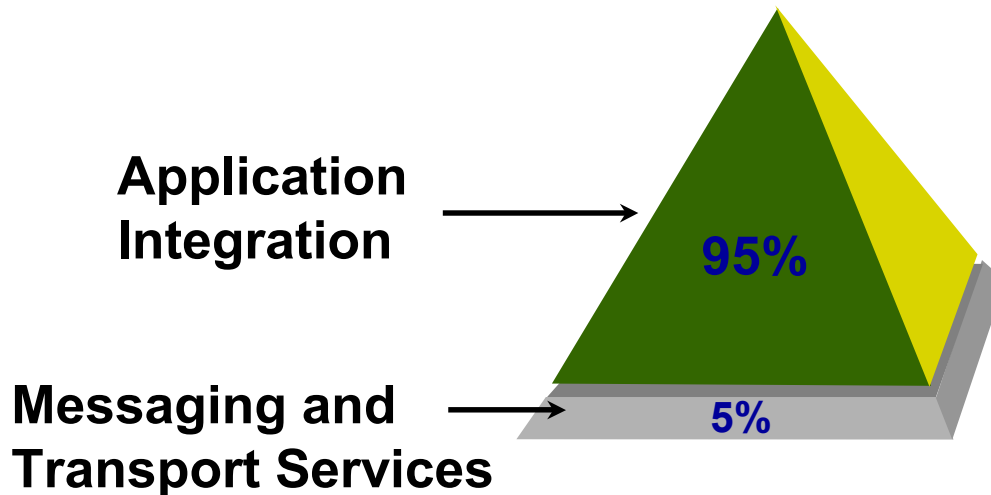
Tasks Performed by Integration Brokers

- 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**

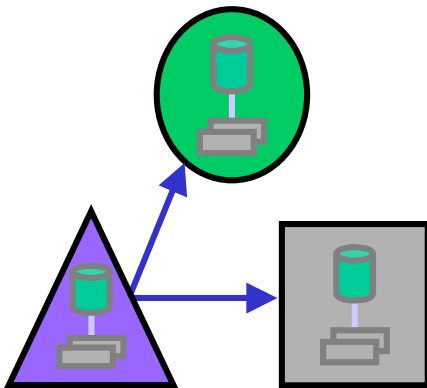


Where Semantics Surface

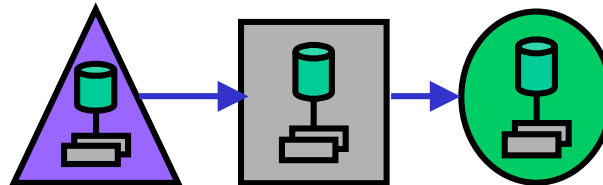
- Data formats (types, in the full sense)
- Transformation rules (content / context sensitive)
- Target resolution / routing rules
- Transaction rules
- Access control rules
- Service level agreements

Contrasting Three Forms Of Integration

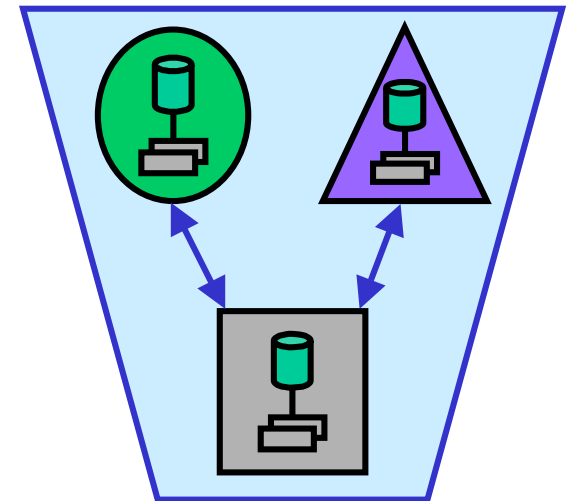
Data
Consistency



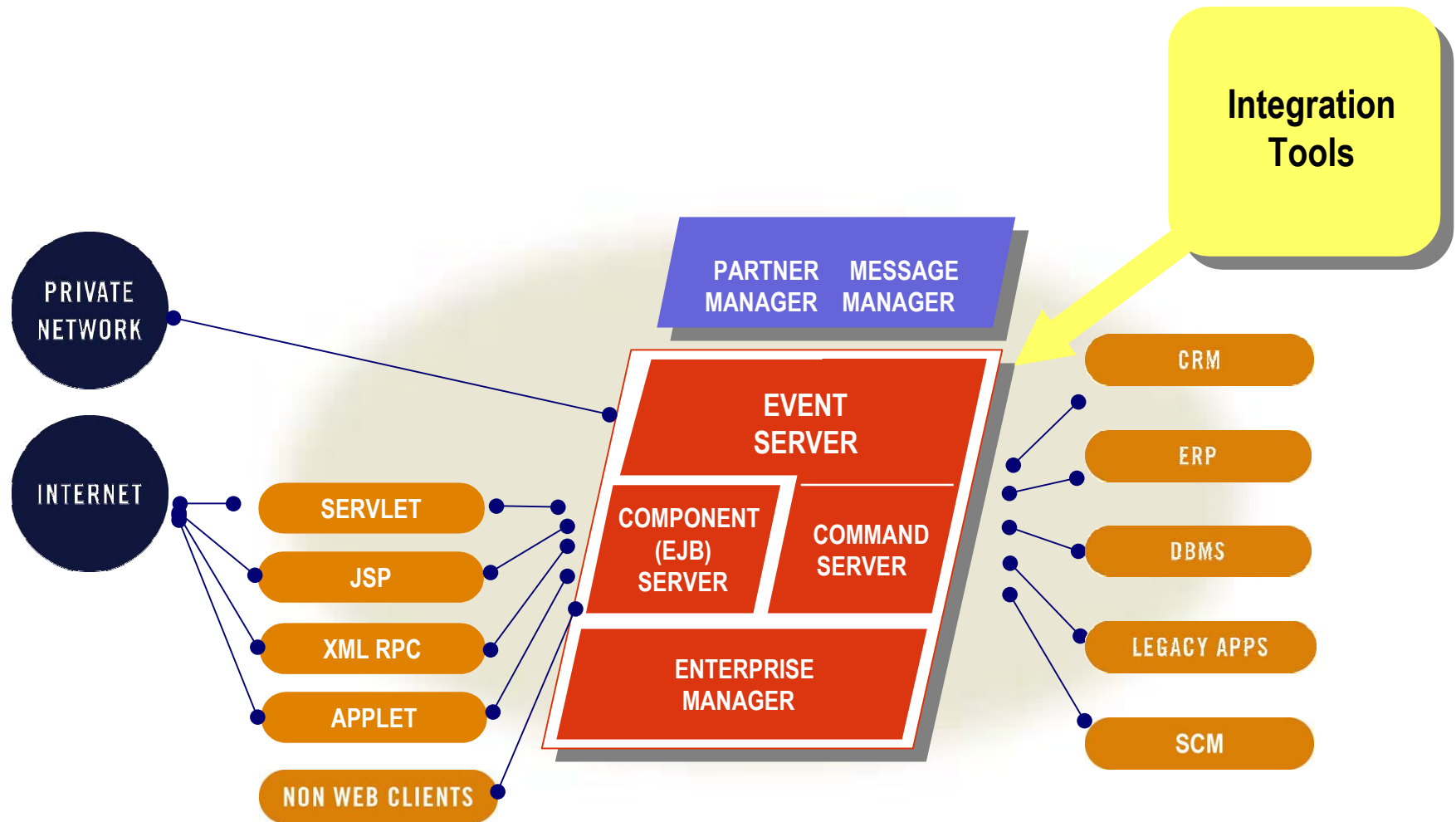
Multistep
Process



Composite
Application



Generic Broker Model



e-Business Perspective on XML

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



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A2A / B2C / B2B - Separate Problems?

	A2A	B2B	B2C
Synchronous integration	(✓)	(✓)	✓
Asynchronous integration	✓	✓	(✓)
Security	✓	✓	✓
Target resolution	✓	✓	(✓)
Message routing	✓	✓	(✓)
Transformation	✓	✓	✓
Partner Management	✓	✓	(✓)
Message management	✓	✓	(✓)
Adapters to applications, transports, data sources	✓	✓	✓

EAI Challenges

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