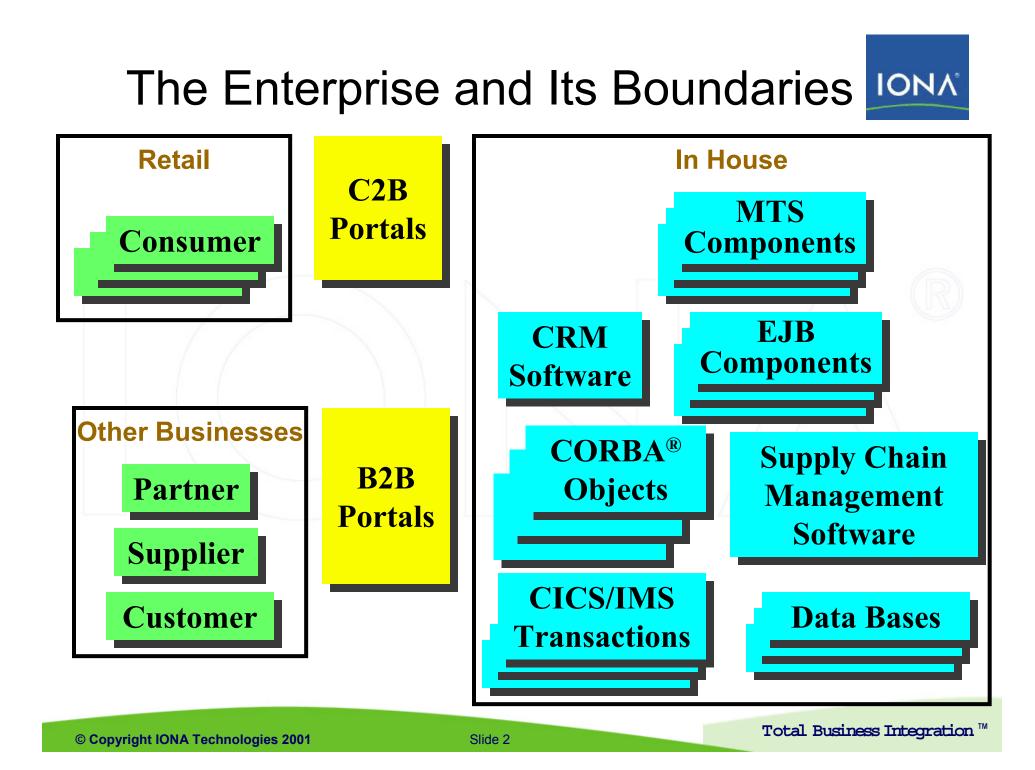


Model Driven Architecture[™]

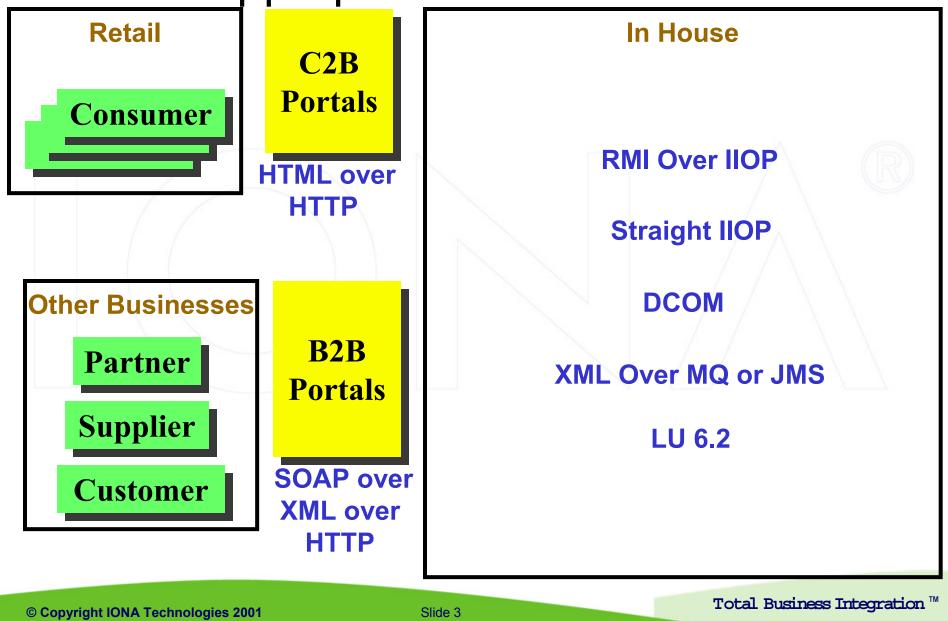
Using Industry Standards for Total Business Integration

David S. Frankel Chief Consulting Architect, Advanced Technologies Strategic Enterprise Solutions Group IONA Technologies david.frankel@iona.com

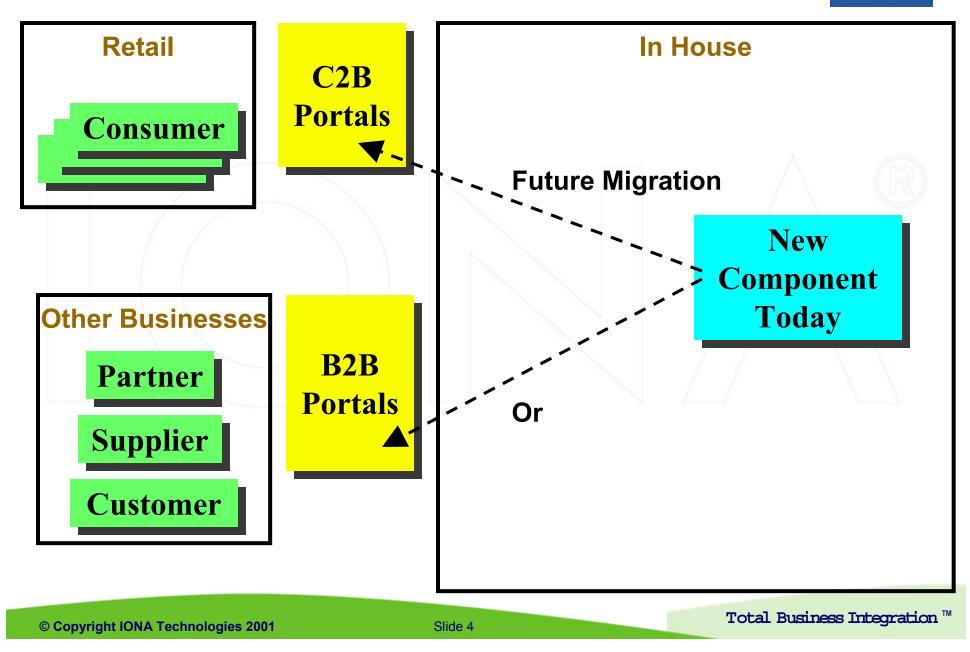


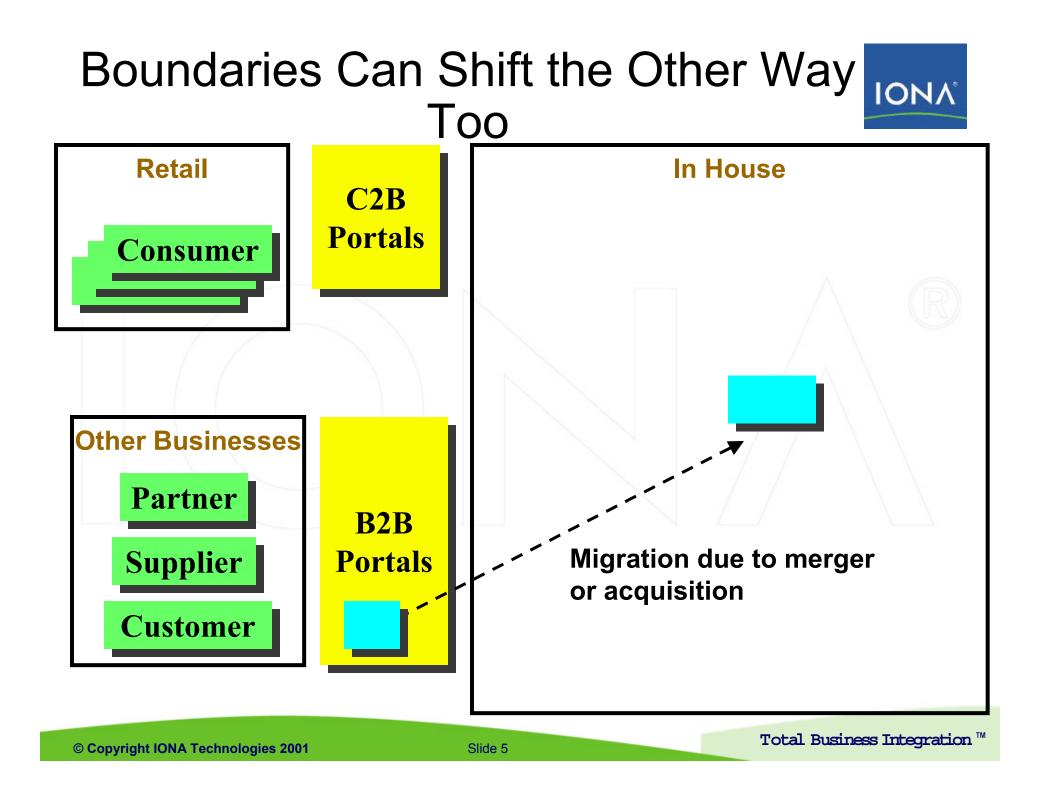
Integration Communication Appropriate to the Context





But Enterprise Boundaries Keep Shifting!





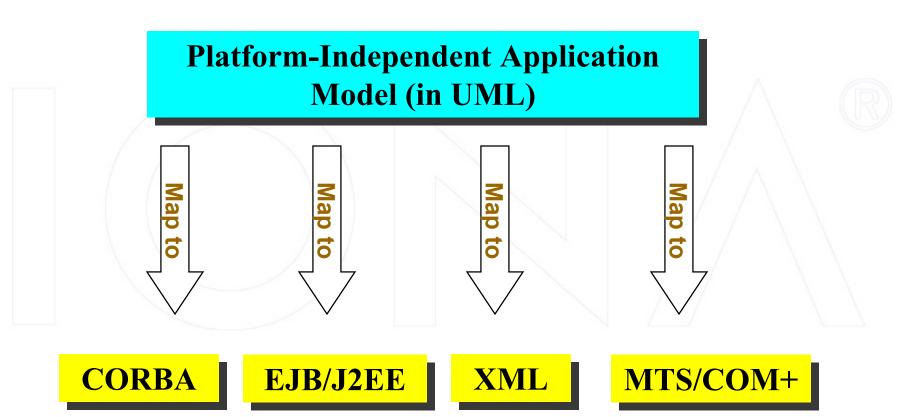
The Challenge



- Requirement: Preserve investment
 - As enterprise borders shift requiring platform shift
 - As platforms themselves change
 - EJB 1.1 → EJB 2.0
 - XML \rightarrow XML Schema
 - MTS → COM+
 - CORBA® 2.X \rightarrow CORBA 3.0
- Solution: Isolate information and processing logic from technology specifics
 - Build platform-independent models
 - UML[™] is independent of CORBA, COM, EJB, XML, etc., and thus is well-suited as a language for describing these models
 - Map these models to specific platforms
 - Maintain the separation at the implementation level

UML is a trademark of the Object Management Group (OMG)

Deriving Platform-Specific Artifacts



Slide 7

MDA and IONA



- IONA is in the forefront of the move to MDA
 - -Very active in OMG MDA-based standards
 - UML, MOF, XMI, and CWM, etc.
 - IONA a co-author of UML Profile for EJB as well
 - IONA Global Services uses MDA principles to create flexible software solutions for customers
- Why is MDA important to IONA?
 - CORBA is strategic for IONA
 - -But so are J2EE and XML
 - IONA has a J2EE application server and significant XML initiatives as well
 - MDA important for building solutions that can be flexibly applied in this kind of evolving environment
 - IONA's Total Business Integration (TBI) requires this kind of flexibility