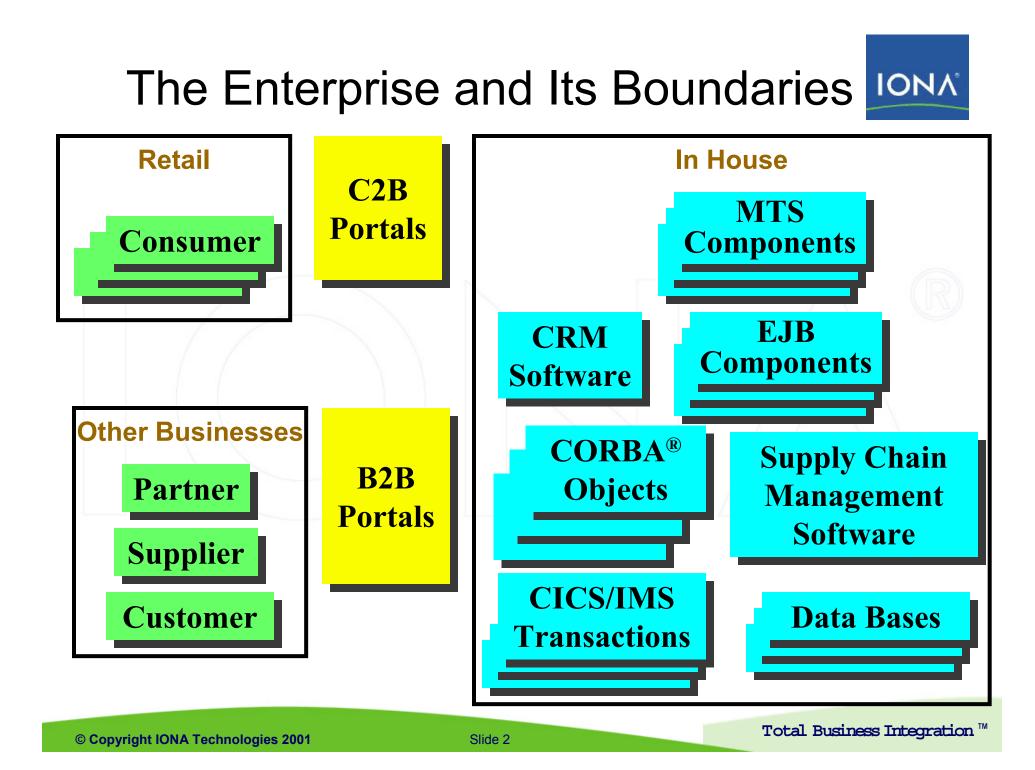


### Model Driven Architecture<sup>™</sup>

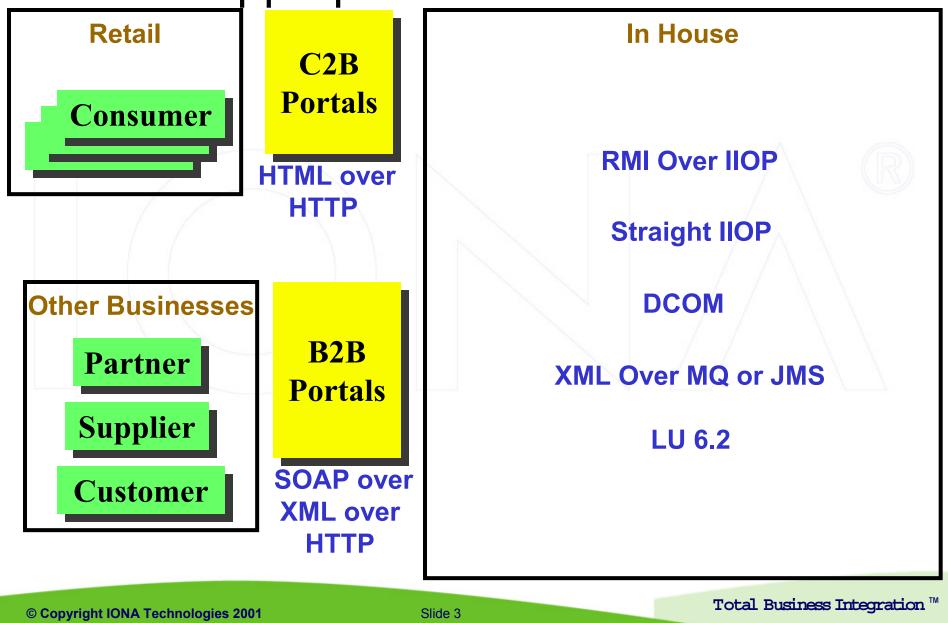
#### Using Industry Standards for Total Business Integration

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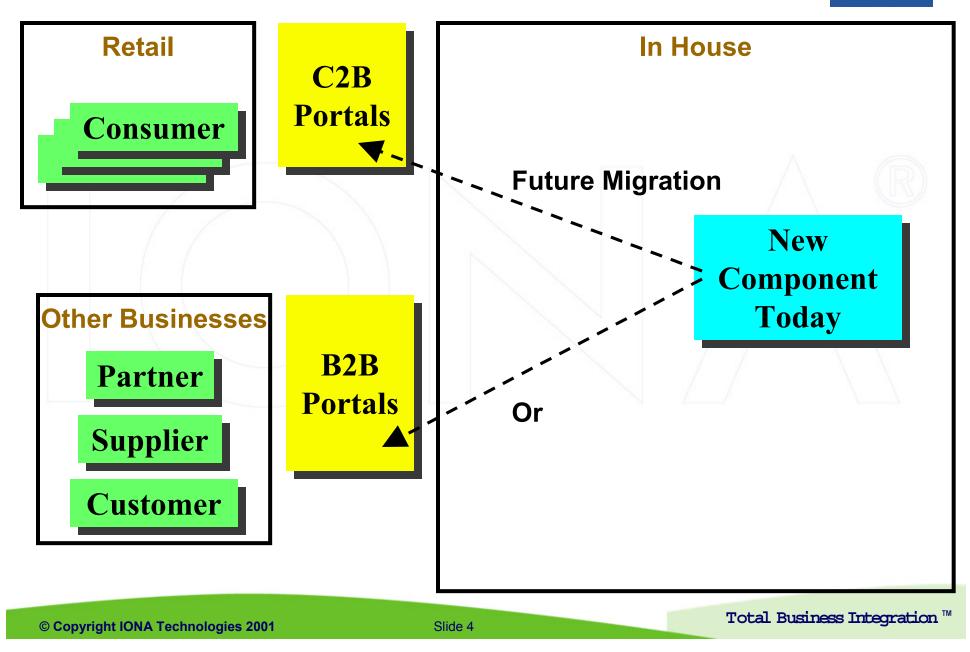


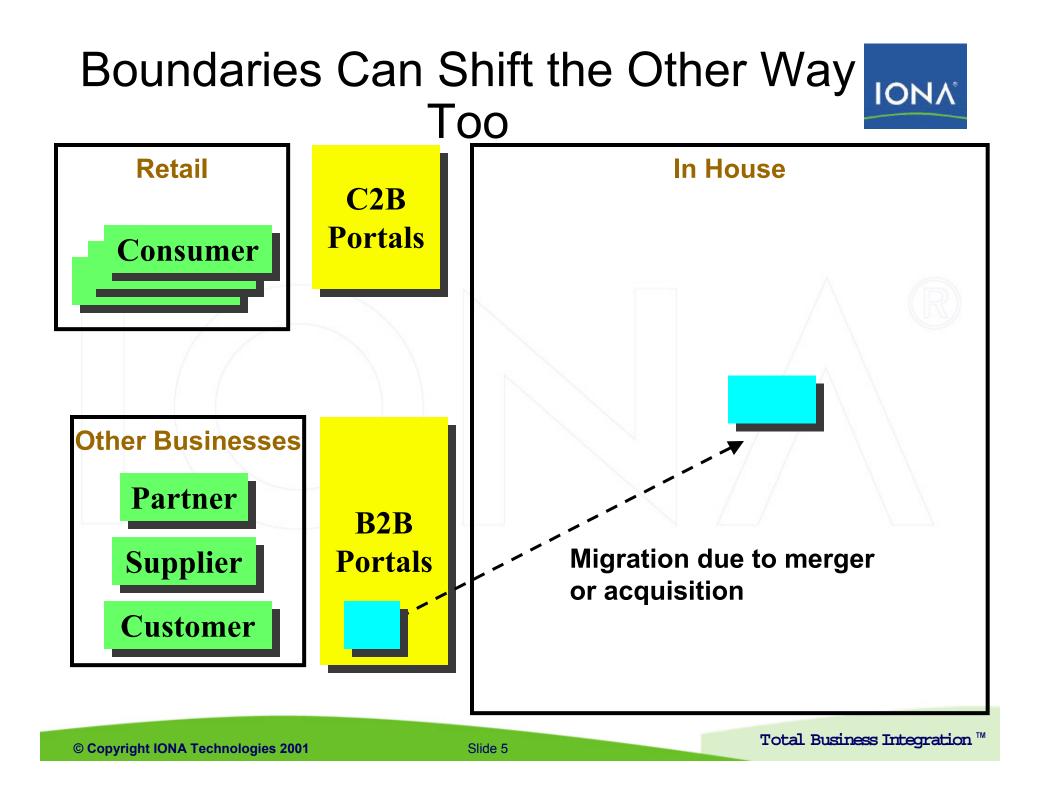
#### Integration Communication Appropriate to the Context





#### But Enterprise Boundaries Keep Shifting!





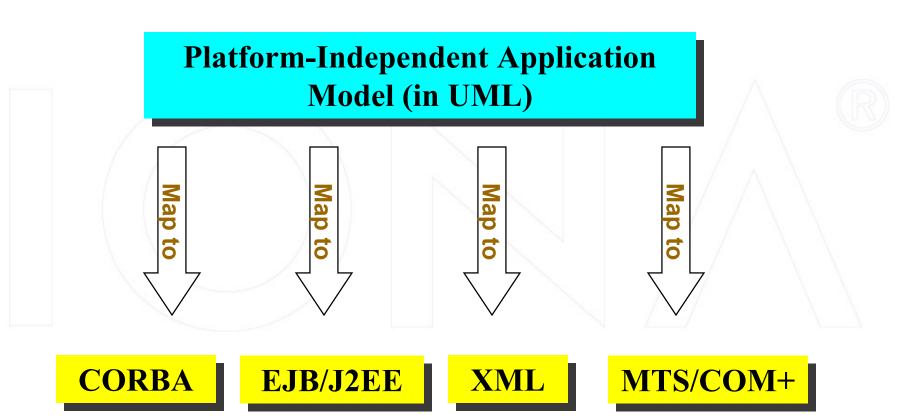
## The Challenge



- Requirement: Preserve investment
  - As enterprise borders shift requiring platform shift
  - As platforms themselves change
    - EJB 1.1 → EJB 2.0
    - XML → 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<sup>™</sup> 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