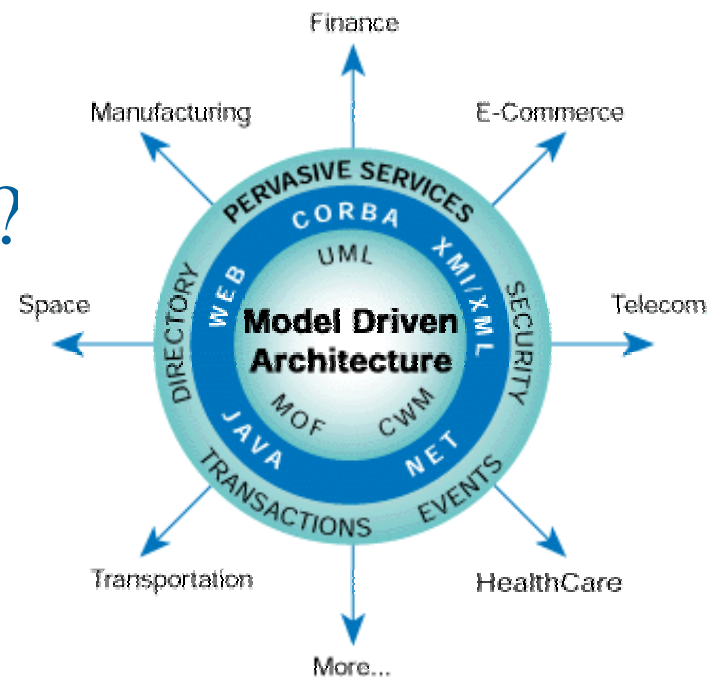# OMG Model Driven Architecture™

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Model Driven Architecture™

- What is it?
- Why is OMG™ doing this?
- How did OMG get here?
- Where do we go from here?

What Is It?

- A new way to *specify* systems
  - More precise way to specify systems
  - Supporting full-lifecycle implementation & maintenance
  - Lowering initial cost and raising ROI
  - Applicable to the mix of platforms with which you are faced: language, operating system, network *and middleware.*

Why is OMG doing this?

- MDA™ leverages OMG's position:
  - Built on successful OMG platform technologies, including UML™ and CORBA®
  - Uses OMG's proven, neutral, open standardization process
  - Directly supports OMG's successful vertical market efforts in healthcare, finance, telecommunications, life sciences research, manufacturing and many other areas

How did OMG get here?

- Object Management Architecture (OMA) dates to early 1990
  - Provided a useful roadmap for first decade
  - Orthogonal to OMG's UML standard in 1997
  - Increasingly needed expansion to encompass broadening technology (MOF™, XMI™, CWM™)
- Model Driven Architecture captures OMG's current and future directions

The CIO Problem Solver

- You have an opportunity to increase your bottom line by *integrating your assets*

- Industry standards support that goal by future-proofing your application design

- The MDA will help you integrate the mix you have today, and give you an architecture to support the unexpected

Pieces in Place Today

- Basic modeling technology
  - UML, MOF, XMI, CWM
- A powerful middleware infrastructure
  - CORBA, IDL™, Pervasive Services
- First platform mappings becoming available
  - UML for CORBA
  - UML for Enterprise Distributed Objects

Steps to Come 2001-2002

- Rigorous mappings for our infrastructure
  - UML for CORBA / IDL roundtrip
- Rigorous mappings for other infrastructure
  - XML and SOAP
  - Java
  - .Net
  - … other technologies as they become the Next Best Thing