

EnPro Business Plan Presentation

IIT Intranet Mediator

Next Generation Search

ENPRO 356

Information Retrieval Laboratory
Department of Computer Science

<http://mediator.iit.edu>

The Team

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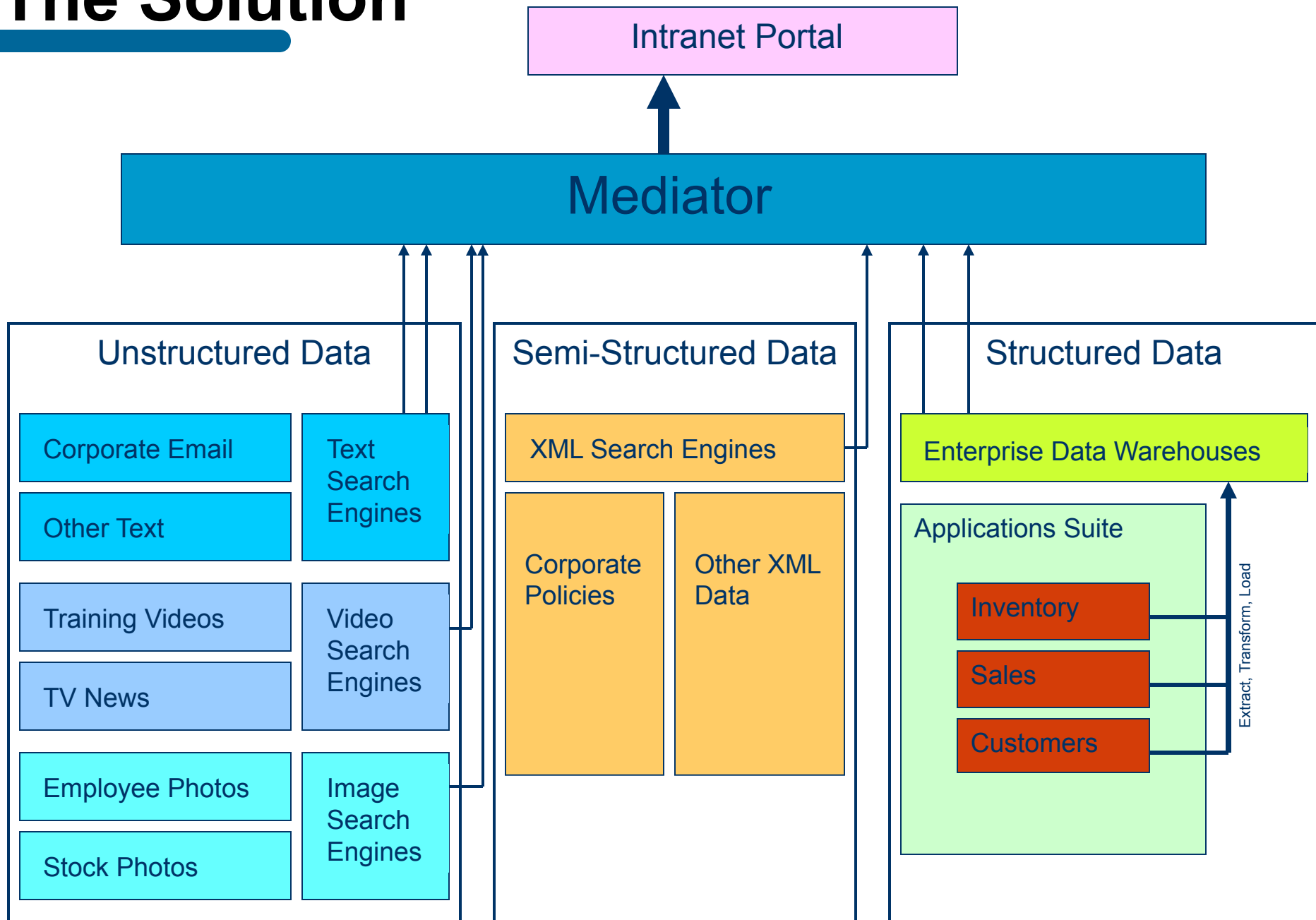
Overview

- Introduction
- Advantages over the Competition
- Potential Applications
 - Executive Information Systems
 - Competition Analysis
 - Helpdesk
- Market Analysis
- Potential Risks
- Summary
- Demo

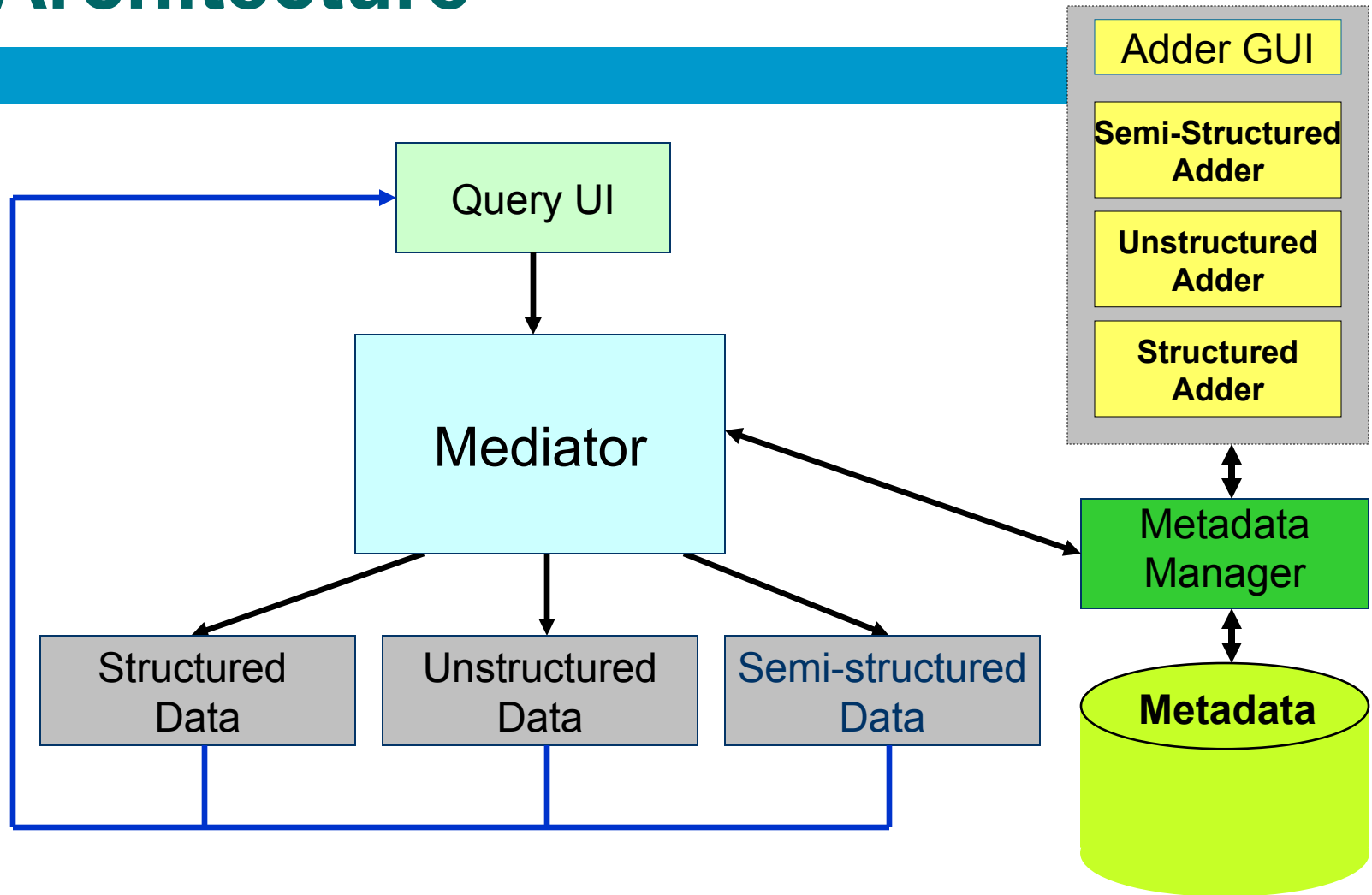
The Problem

- Information is crucial to competitive advantage
- Big companies have structured, semi-structured and unstructured data
- Seamless integration
- Simplify data expansion (this semester)

The Solution

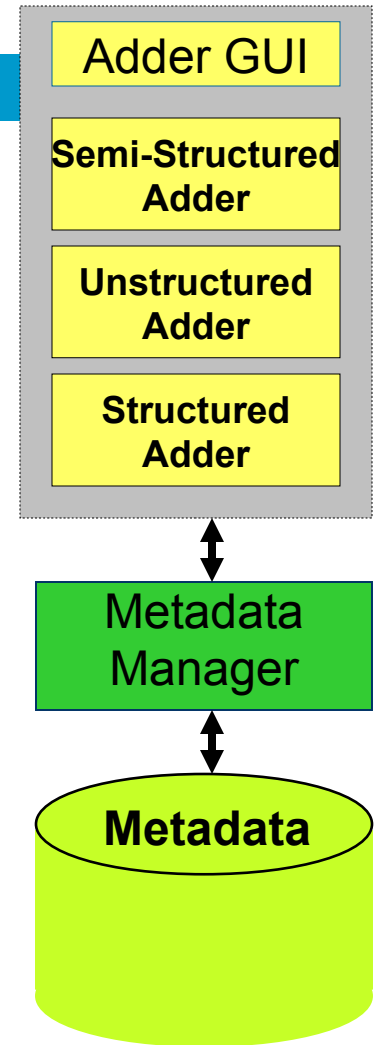


The Product Architecture



Adders

- Web-based GUI
- Structured
- Unstructured
- Semi-structured



Advantages over the Competition

- Competition does not integrate

Additional Advantages over the Competition

- Gives an “answer” to a question
- Robust GUI for adding data

Application: Executive Information System

- Provides one-stop shopping to key, corporate data for executives

Application: Helpdesk

- Many customer service requests involve answering a small set of questions
 - Telephone call \$33
 - Email \$10
 - Web-based Self-Support \$1 (Forrester Research)

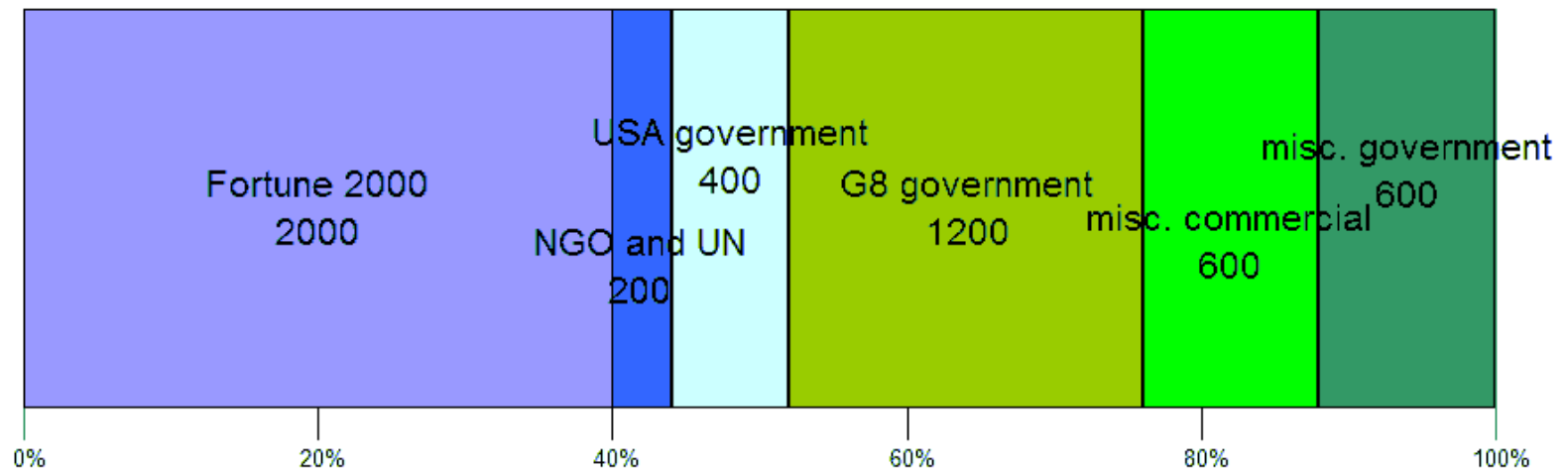
Application: Competitive Analysis

- Compiled sources of data need to be analyzed
- Large US companies may spend on the order of 1 million dollars annually, with 90% having some program (Businessweek)

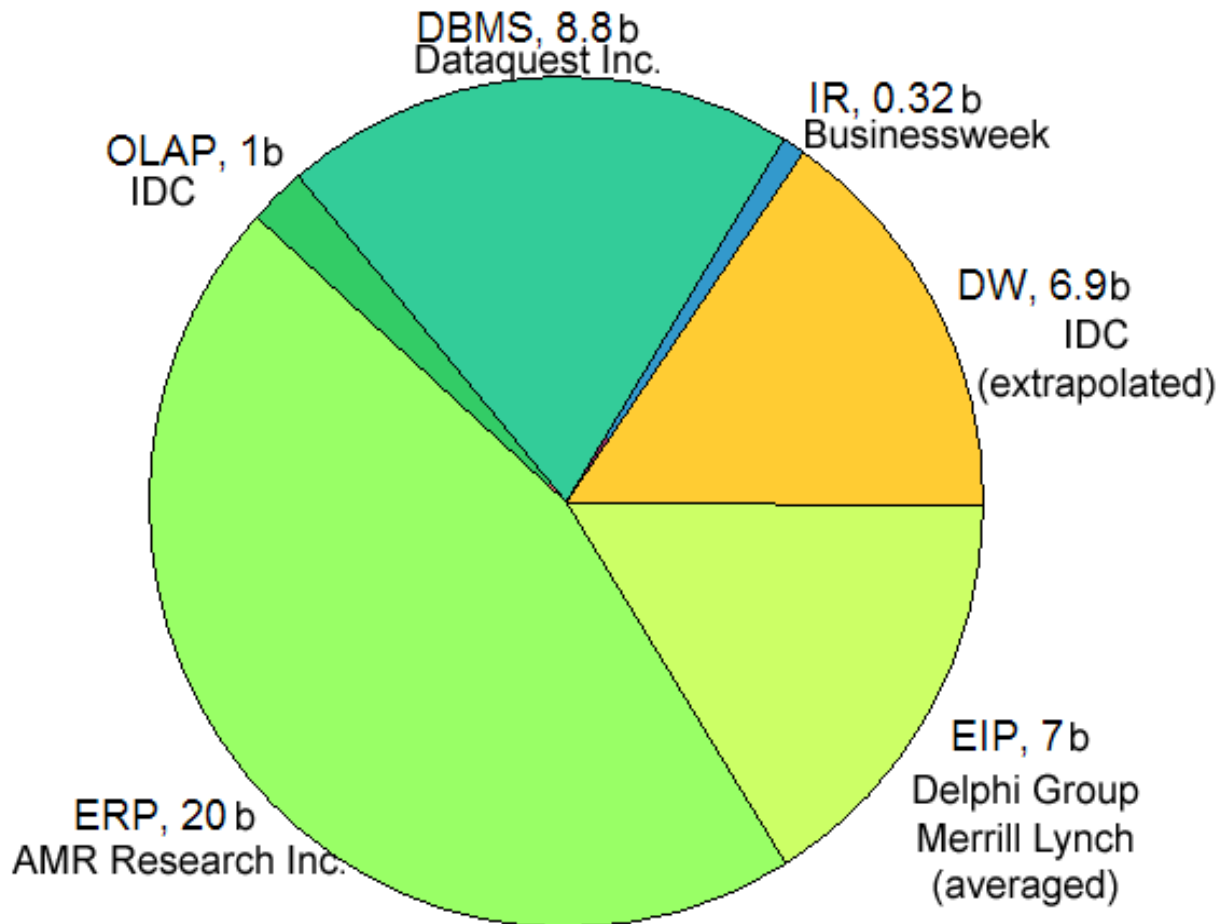
Marketing Strategy

- Understand size of the market
- Understand the competition
- Price mediator accordingly

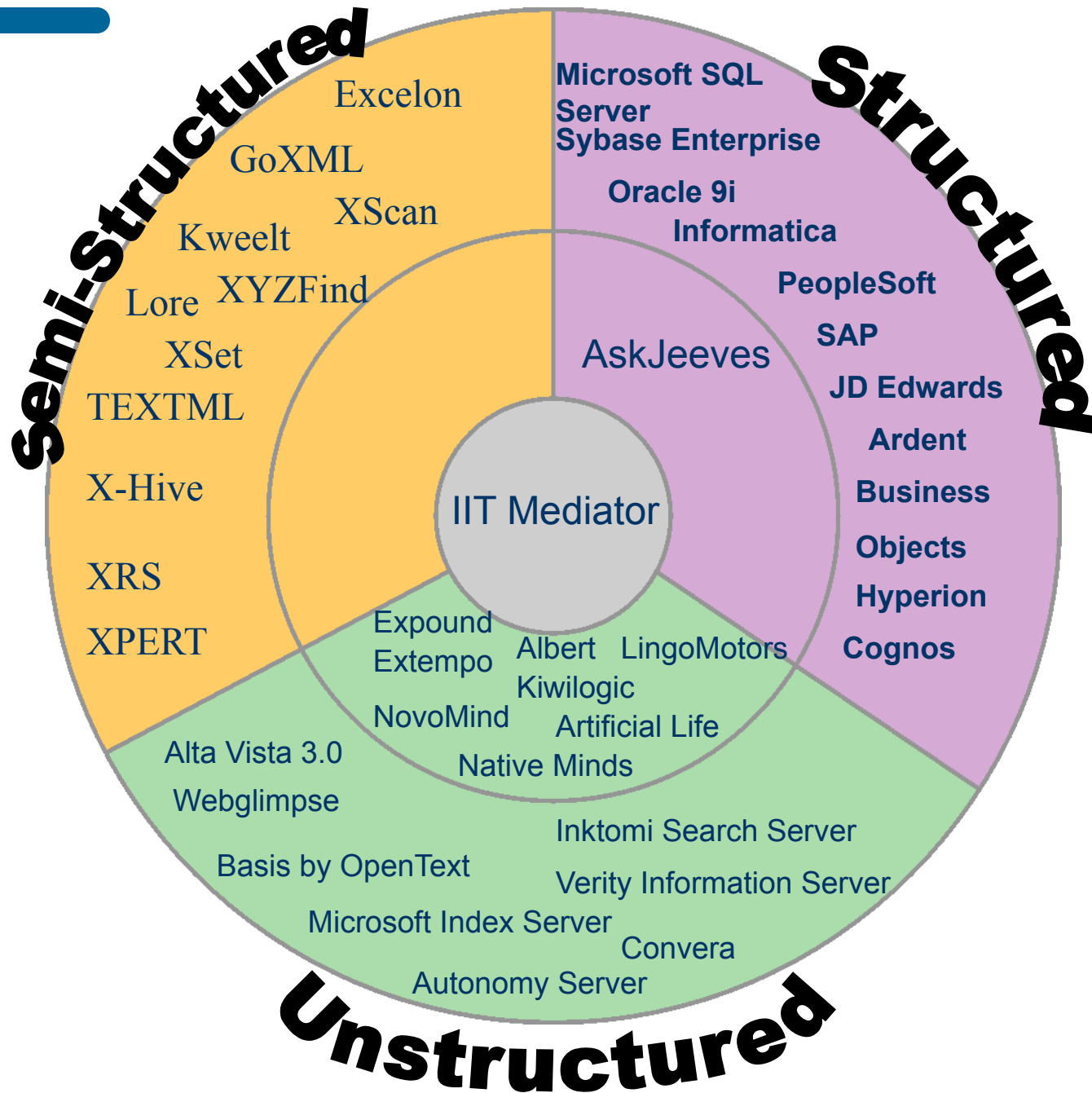
Potential Customers (5000 of them)



Business Intelligence (44 Billion Dollar Market)



Players



The Competition

- Site Navigation and Customer Contact
 - Kiwilogic
 - Artificial Life
 - Novomind
 - Expound
 - StratumSoft
 - Extempo
- Customer Service
 - Native Minds
 - Most successful competitor. Started in 1999 and has the following customers Oracle, Ford Motor Company, Nissan, The Coca-Cola Company, American Express, Convergys, Deutsche Telekom's One 2 One, and Misys.
- Natural Language Search Engine (add-ons)
 - LingoMotors
 - Albert
- All are relatively new, private, and have few customers.

Competition

- Summary from Gartner Group:

“Bots can revolutionize Information Management as a means for humans to seek knowledge and advice from machines. But the lack of **integration** with and immaturity of supporting technologies will relegate bots to curiosity status for **five to ten years.**” (October, 2001)

Profit Margins

- High due to
 - Already completed initial development
 - Amortized developments costs
 - Ongoing support is variable and covered by the customer
 - Low cost of production
- Some reduction in profit as ongoing development may be significant

Financial Projection

- Difficult to quantify
 - we are generating a new market
 - rate of change of technology and size of market continues to change
 - Market is expanding at a high rate due to increase of digital information

Financial Projection

- If market is good we can significantly expand
- If market is poor, we have only a few customers, we still cover variable costs (ongoing support), but are slower to recoup initial development
- Typical sales of our competitors are “in the low six figures”
- Bottom line:
 - **If only a small piece (0.1%) of the \$50 billion e-business analytic market purchases the mediator, we will be a \$50 million business.**

Path Forward

- Product development plan
 - We have identified 154 test questions and over 30 distinct sources to build an IIT prototype
- Develop a real pilot and describe this success to other potential customers

Risks

- Scalability
- Complexity of data within an organization
- Decision by big vendor to build a mediator
- Decreased IT spending

Risk Mitigation

- Adders are able to reduce complexity
- Patent is pending
- Data warehouses already scale to terabytes
- Non-trivial to build one of these
- IT spending should resume and our low development costs mean we can stay in business

Summary

- The mediator integrates structured, semi-structured, and unstructured data repositories
- We have improved our prototype to simplify adding new data
- Why should someone support the mediator?
 - We have developed patent-pending technology
 - Tool actually works (see demo)
 - Large spectrum of applications