

Oracle's KMS Solution Framework



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Agenda

- Introduction
- Integrated Knowledge Environment
Solution
- Oracle's Framework

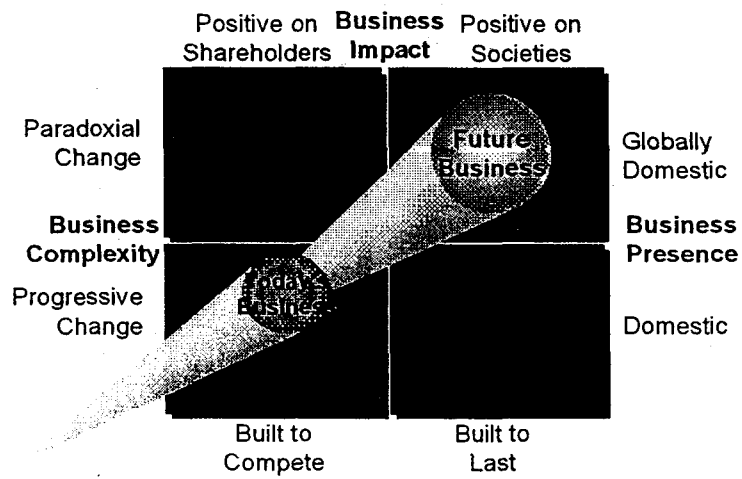
The Paradigm shift is already here.....

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|---------------------------|--|--|
| | | |
| Economy | | |
| Information System | | |
| Requirements | | |
| Employees | | |

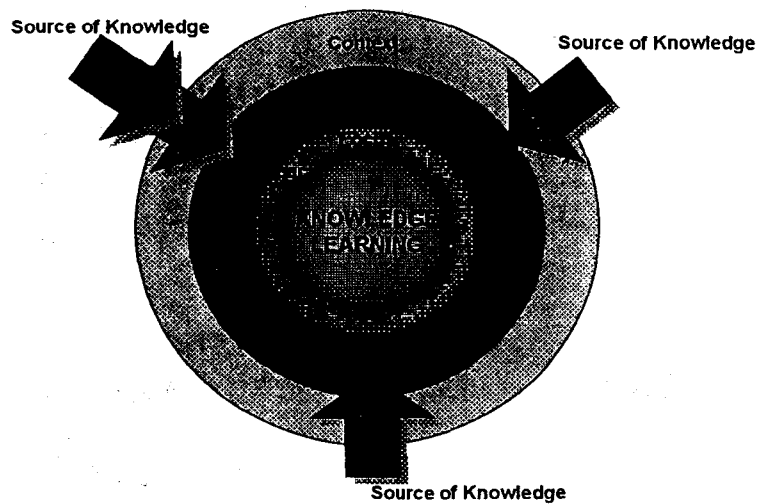
Enhance Customer Worth



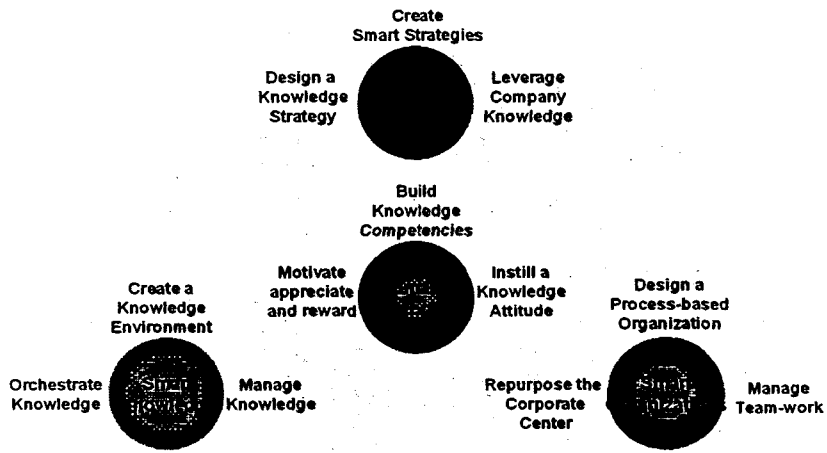
Increase Value or Disappear



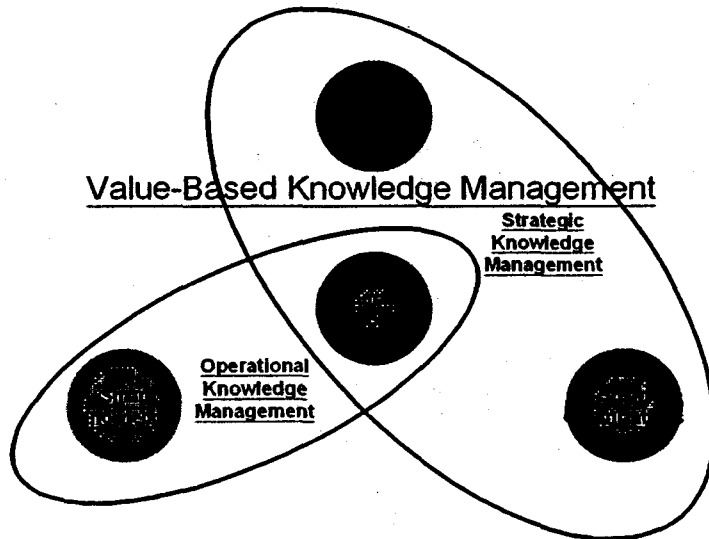
What is Knowledge?



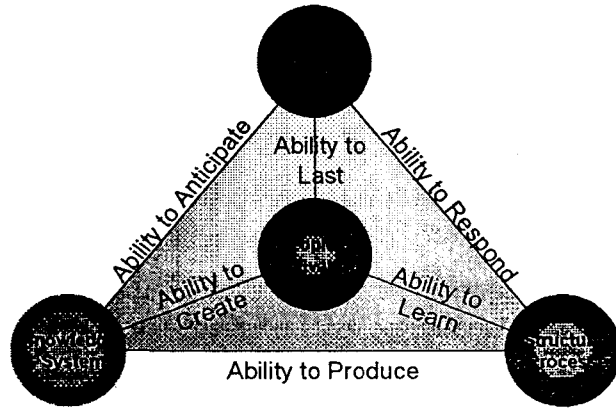
How to become a successful company in Knowledge Economy



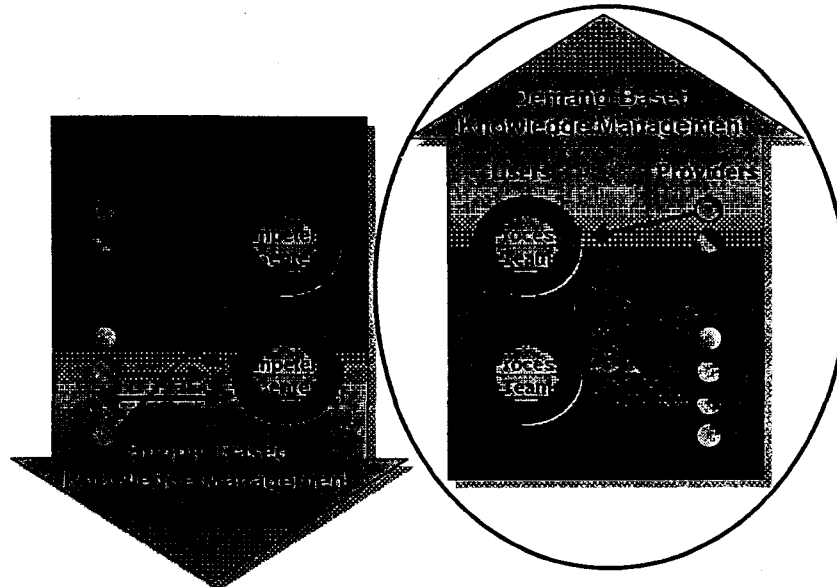
Three Types of Knowledge Management



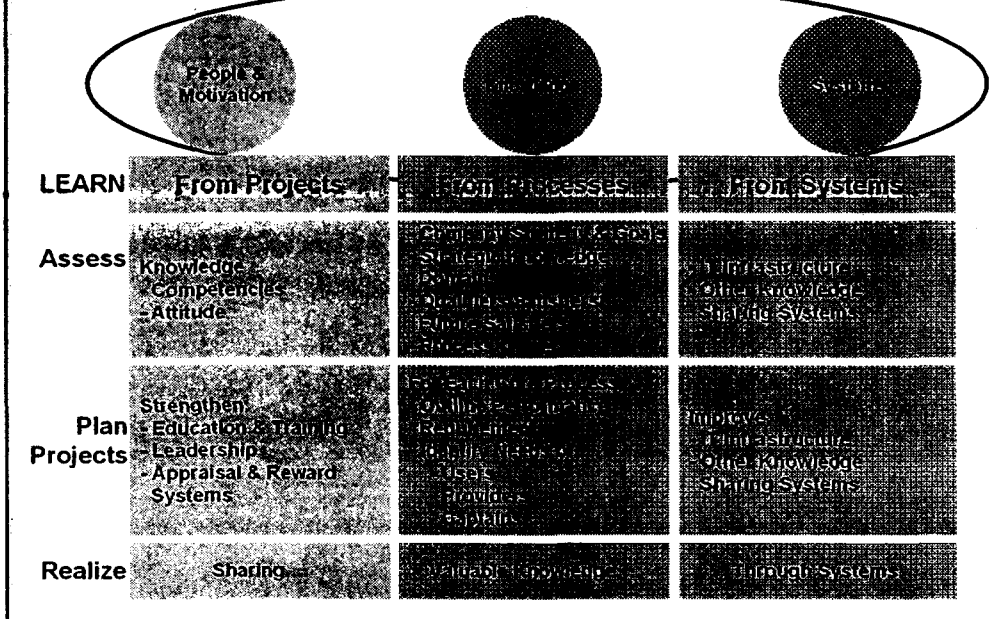
Six Capabilities to be successful in Knowledge Economy



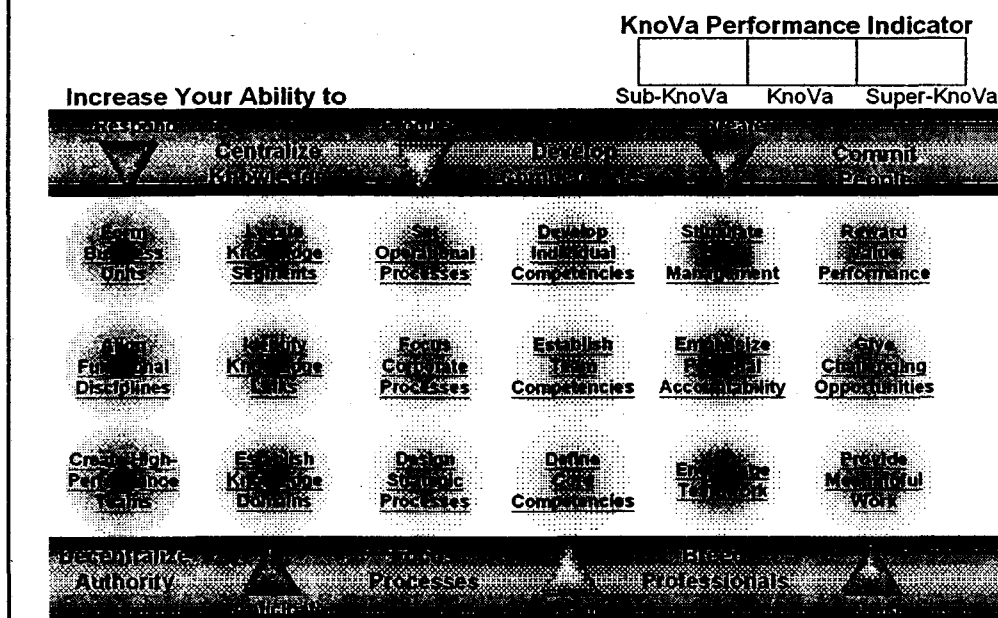
Supply or Demand-based, Which one is better?



Three Steps Toward Operational Knowledge Management



Steps Toward Strategic Knowledge Management

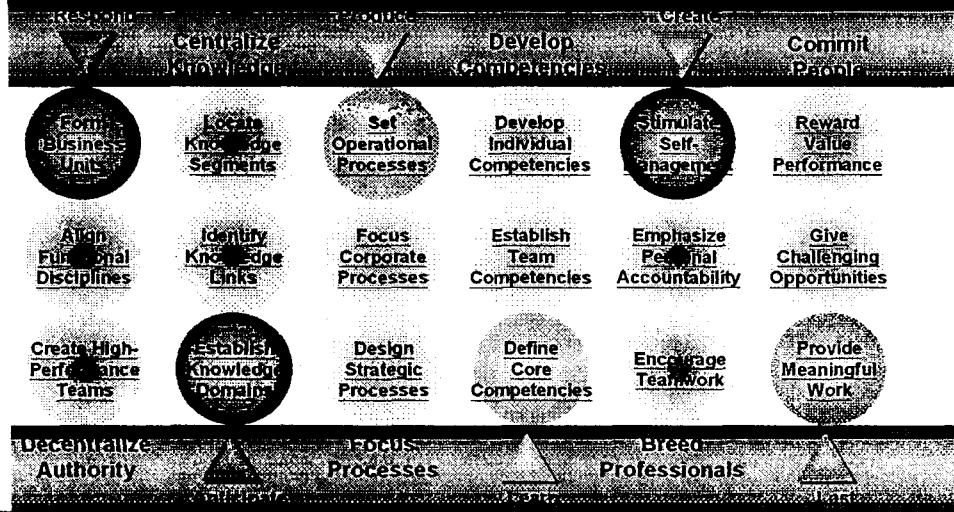


Strategic Knowledge Management Camp 0 - Market Driven Organization

KnoVa Performance Indicator



Increase Your Ability to

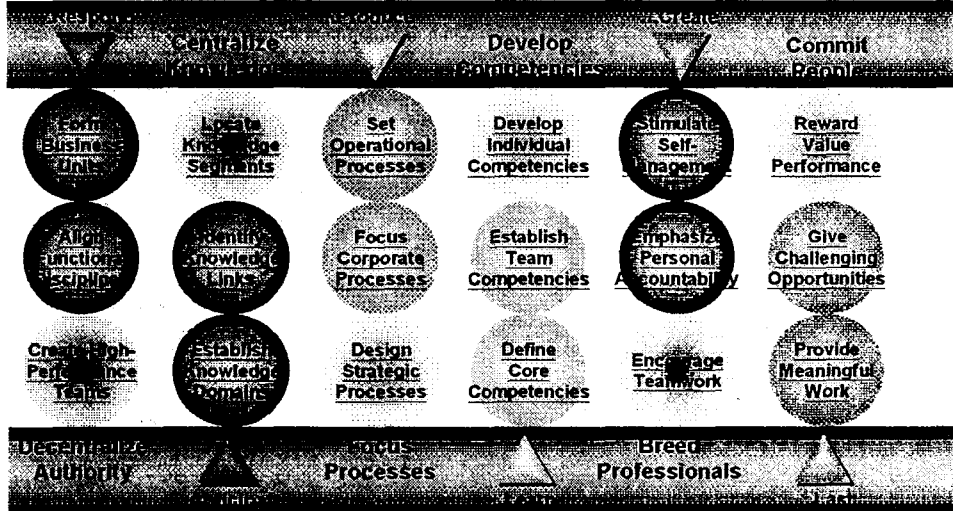


Strategic Knowledge Management Camp 1 - Competency and Process Based Org.

KnoVa Performance Indicator



Increase Your Ability to

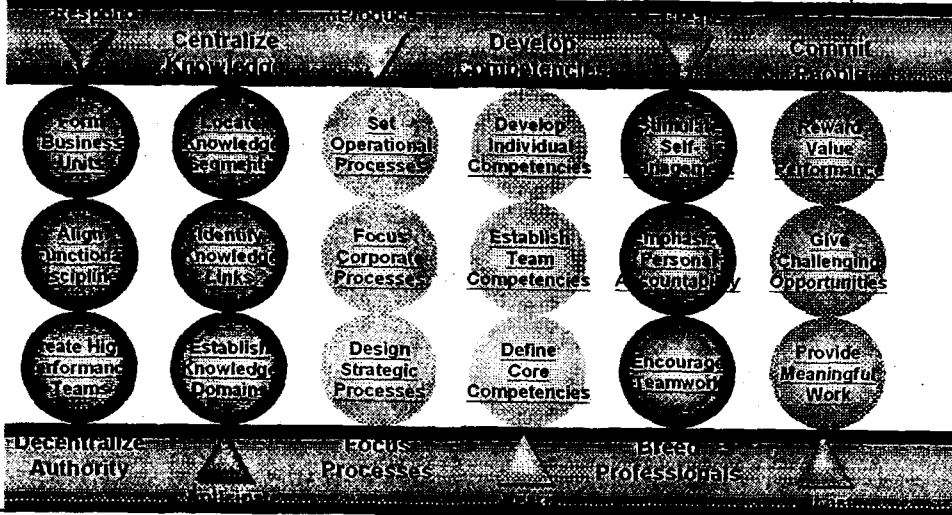


Strategic Knowledge Management Camp 2 - Continuous Learning Organization

KnoVa Performance Indicator

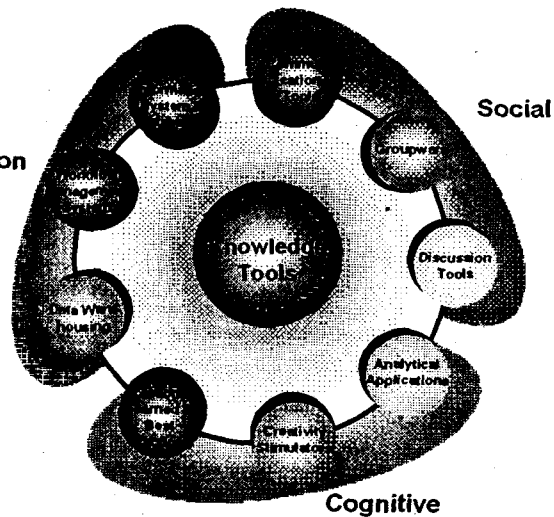
Increase Your Ability to

Sub-KnoVa KnoVa Super-KnoVa



Integrated Knowledge Environment Requires Nine Classes of Knowledge Tools for Information, Social and Cognitive Learning

If knowledge workers are given the right tools, they can greatly enhance their productivity. Such tools should support their learning through information, interaction and intellect. The future of Integrated Knowledge Environments will depend on the ability to utilize intranets to enhance to use and flow of knowledge and not just information.

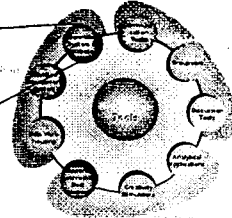


Integrated Knowledge Environment Requires Nine Classes of Knowledge Tools for Information, Social and Cognitive Learning - Information

If we create an integrated knowledge environment, what kinds of Knowledge Tools are needed to best support learning from every source?

...it should provide the tools which are used to learn from Information

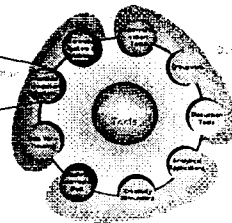
Known information is stored and retrieved from Systems and Databases. These can include company databases, Corporate Yellow Pages, external databases, and a customized literature service.



Example: Eli Lilly & Co's corporate internet links more than 25,000 employees in 30 countries. It has more than 12,000 pages of information about job postings, handbooks, corporate news bulletins, stock prices, and a news feed about the pharmaceutical industry. Sales reps can access data through desktop or laptop on-line connections.

Integrated Knowledge Environment Requires Nine Classes of Knowledge Tools for Information, Social and Cognitive Learning - Information

Workflow Management Systems access information as the flow of work demands. These should be designed to both support the workflow and gather information.



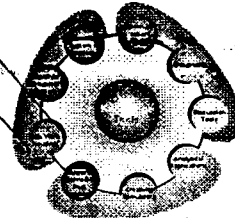
Example: The US Court of Appeals is undertaking an automation initiative to streamline the workflow. A customized application of groupware has been developed to replace the existing paper-based voting system.

Integrated Knowledge Environment Requires Nine Classes of Knowledge Tools for Information, Social and Cognitive Learning - Information

Data Warehousing data mining helps to find and organize new knowledge.

Example: DW: Sears Roebuck and Co.'s credit department has been implementing a data warehouse which allows them access to the information about 500 million transactions made by 120 million Sears Card holders in 80 million households throughout the US.

Data mining: Accessing the information in a data warehouse needs to be fast and flexible. CUC International Inc. is in a wide range of business areas, from travel to time-sharing resorts. It uses a number of statistical software packages to find out which customers to target with which service and in which order to offer services.

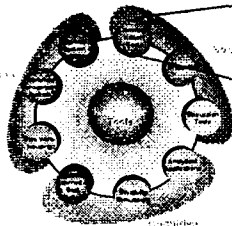


Integrated Knowledge Environment Requires Nine Classes of Knowledge Tools for Information, Social and Cognitive Learning - Social

If we create an integrated knowledge environment, what kinds of Knowledge Tools are needed to best support learning from every source?

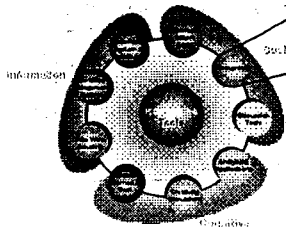
...it should provide the tools where interaction between Knowledge Professionals increase and improve

Communication Tools should include e-mail, voice mail, news groups, bulletin boards, audio and videoconferencing, fax...



Example: An audio-video intranet is being planned by Wall Street firm Bear Stearns & Co. To allow face-to-face discussions between traders and analysts without them having to leave their desks. The intranet will also be used for training.

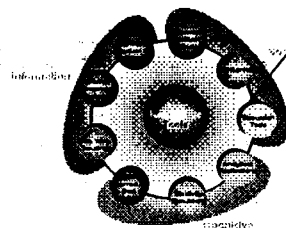
Integrated Knowledge Environment Requires Nine Classes of Knowledge Tools for Information, Social and Cognitive Learning - Social



Groupware enables groups of people to work with the same document.

Example: Asea Brown Boveri has a Lotus Notes set-up for 50,000 users. With 750 dedicated Lotus Notes servers linked to five main worldwide network hubs, it is the most sophisticated Notes system anywhere and is maintained by 300 dedicated administrators.

Integrated Knowledge Environment Requires Nine Classes of Knowledge Tools for Information, Social and Cognitive Learning - Social



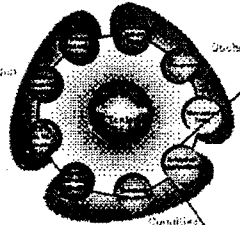
Discussion Tools include discussion groups, chat groups, publish and subscribe systems.

Example: Since 1995, Roche's Bioscience Intranet has grown from a simple telephone guide to a worldwide system connecting several company divisions on which Roche scientists compare research results, discuss findings, and connect to on-line public information resources.

Integrated Knowledge Environment Requires Nine Classes of Knowledge Tools for Information, Social and Cognitive Learning - Cognitive

If we create an integrated knowledge environment, what kinds of Knowledge Tools are needed to best support learning from every source?

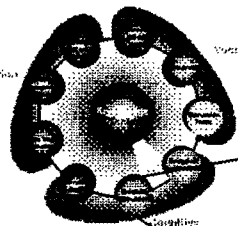
...it should provide the tools which improve our ability to comprehend information



Analytical Applications include fishbone diagrams, critical path analysis tools, decision trees, forces field analysis, SWOT analysis, systems thinking tools, clack boards, white boards and mindmaps

Example: Royal Caribbean, one of America's largest cruise companies, uses a New Revenue Decision Support System to determine cruise fares, when and how to promote voyages, and whether there is a need to redeploy ships. A single screen provides data for deciding revenue status and deciding whether any action is required.

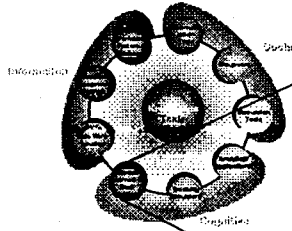
Integrated Knowledge Environment Requires Nine Classes of Knowledge Tools for Information, Social and Cognitive Learning - Cognitive



Creativity Stimulators help us to generate new ideas. These include both software supported and pen and paper type tools.

Example: A recent laboratory controlled test was made to see whether two creativity-enhancing programs (available on the Internet) did enhance the users' creativity. The results suggest that the software-supported ideas were more novel and valuable than responses generated by pen and paper.

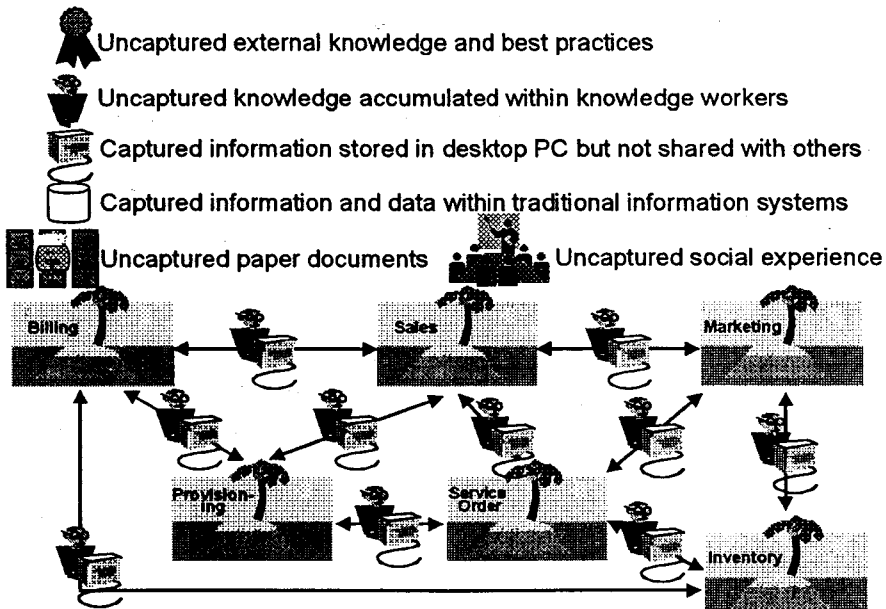
Integrated Knowledge Environment Requires Nine Classes of Knowledge Tools for Information, Social and Cognitive Learning - Cognitive



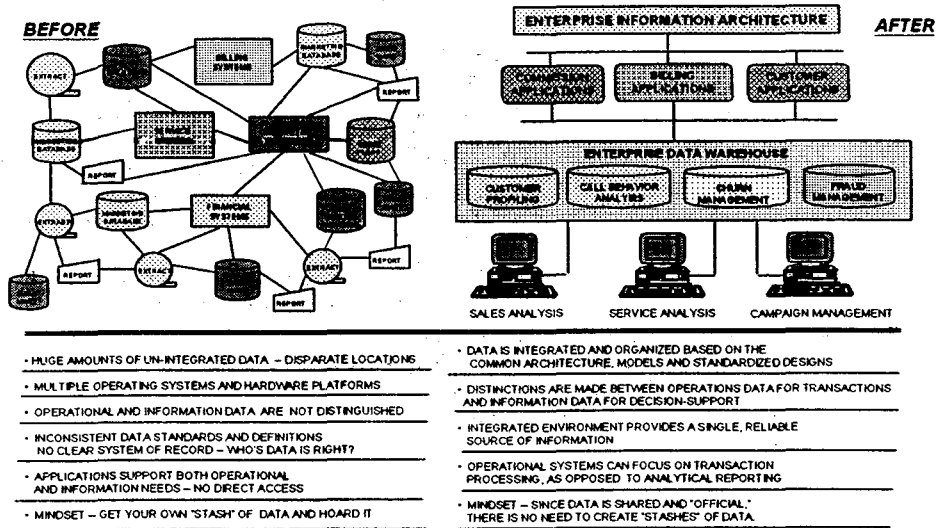
Lessons Learned and Best Practices databases tell us what we have learned from previous experiences. They can include computer-aided lessons learned, lessons learned examples and best practice examples.

Example: Tandem Computers' 11,000 employees use e-mail to request assistance from colleagues and the replies, with suggestions, are stored in a public file to which additions, solutions and modifications can be made.

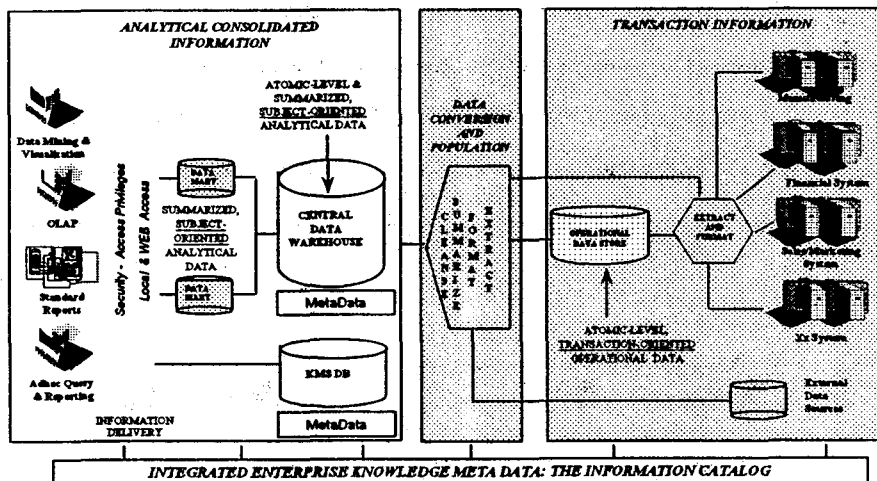
Types of Information and Knowledge within a Organization



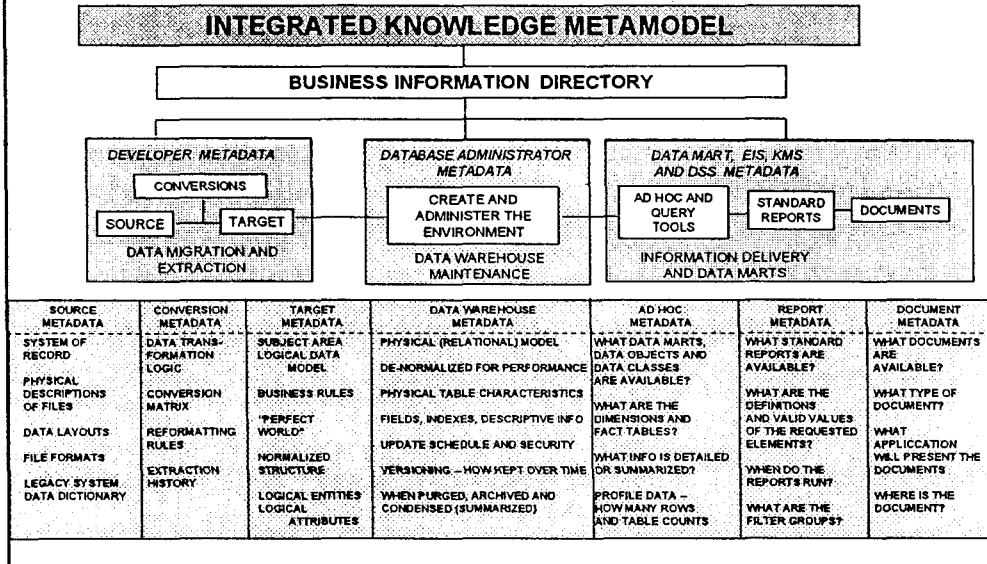
Enterprise Wide Data Warehouse Removes Chaos



Integrated Knowledge Management System Architecture

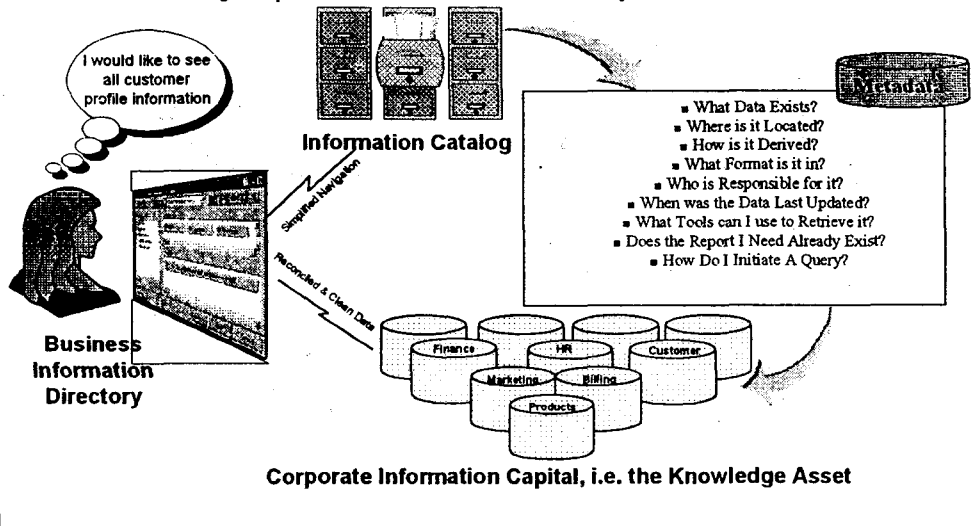


How Much MetaData is Needed?

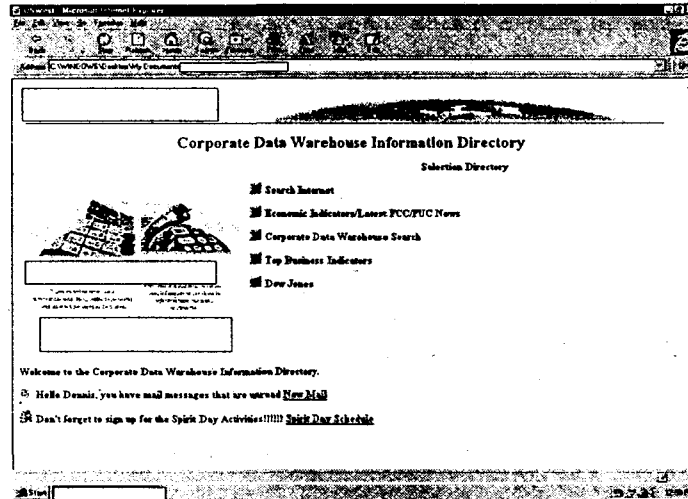


Business Information Directory - Conceptual View

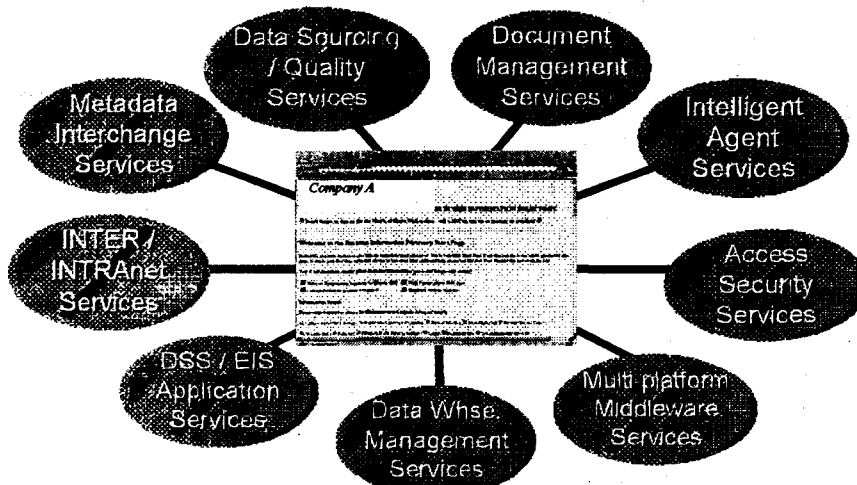
An On-line Catalog that provides access to information in easy-to-understand business terms



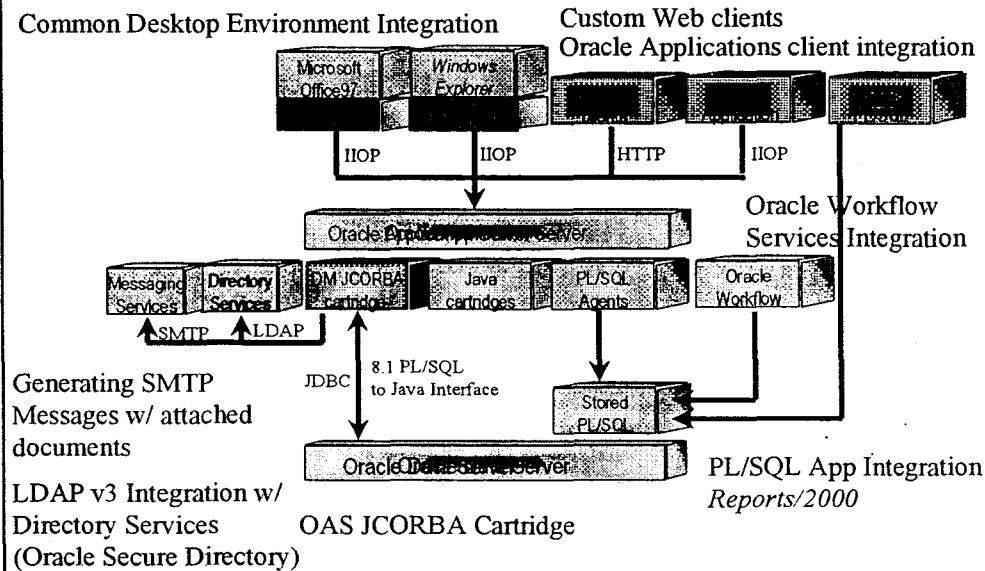
Business Information Directory - Sample View via Corporate Intranet



Business Information Directory Why is this JUST happening Now ? Answer: Technology Convergence



Oracle's KM Vision



Oracle's KM Technology

- Core Technologies
 - Oracle Application Server 4.0 JCORBA Cartridge, JTS
 - Oracle 8.1 JavaVM, Java Stored Procedure, CORBA/ORB, IIOP
 - ConText Cartridge 8.1
 - Enterprise Scalability and Performance
 - Open SQL Query Layer
 - Fully-Extensible Object Model for custom solutions
- Next Plan
 - Oracle Application Server 4.1 EJB Cartridge

Future Plan

