ORACLE

Tore Bjelland
Managing Director, Oracle Norway

Semantic Days 2011, Oslo, Norway

Infiniband Switches

New Julich Supercomputer Center and its 2000 Node Sun Constellation System

Tuesday, June 9th, 2009

One of the First Large QDR-based InfiniBand Supercomputers

The most powerful Sun technology-based computer in Europe is now online. The new Julich Supercomputer Center is supported by 2208 node Sun Constellation System and Sun Blade X6275 server modules. The Sun Constellation Systems operate with Intel Xeon processor 5570 series and communicate with each other via six newly developed "Project M9" InfiniBand switches from Sun that supply quad data rate (QDR) and up to 648 ports while slashing the amount of complex cabling required.

COMPUTERWORLD – it-nyheter døgnet rundt

IDG – verdens største mediehus innen it

SEMINAR & CIO | IT-KARRIERE | IT-HELSE | IT-KURS | IT-NYHETSARKIV

Du er her: Computerworld >

Skullerud-svitsj er verdens raskeste

Ahlert Hysing
31.03.2009 kl 07:05

(13) AAA

Universitetet i Oslo nærmer seg verdenstoppen i regnekraft med en svitsj fra Skullerud.

STOR: Ola Tørudbakken og Eivind Rongve sammen med Magnum. Magnum ruver. Sun har derfor plassert et elg-gevir på toppen. Gruppeleder Hans A. Eide kan skimtes gjennom geviret. (Foto: Ahlert Hysing)

JRockit Java Virtual Machine

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Appeal Virtual Machines

From Wikipedia, the free encyclopedia

Appeal Virtual Machines was a Swedish company created in 1998 by students from the Royal Institute of Technology in Stockholm. They were mainly known for their JRockit Java Virtual Machine.[1]

They were acquired in 2002 by BEA Systems,[2] who became part of Oracle Corporation in 2008.

As of 2010, the company founders still worked for Oracle.[3]

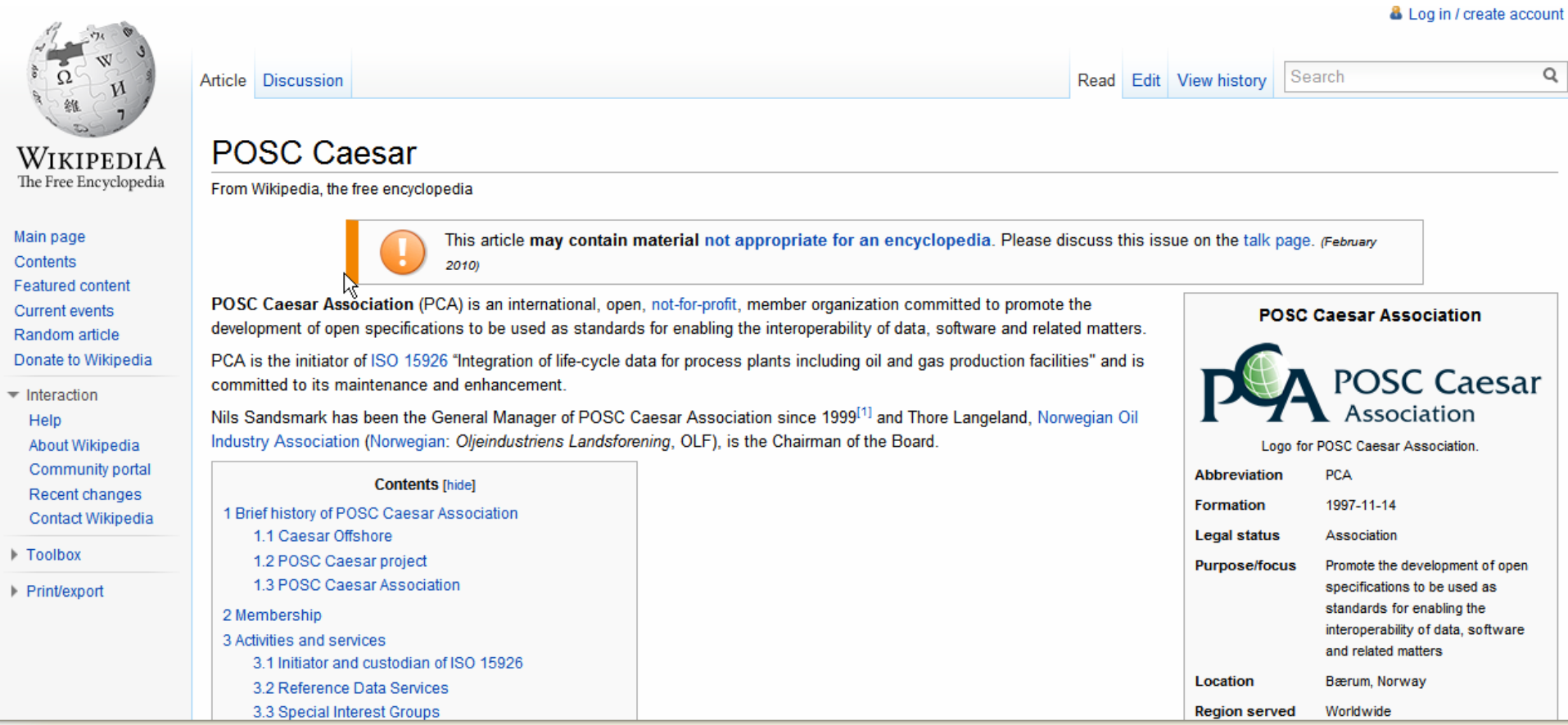
References [edit]

1. ^ "Appeal.se". Retrieved 2011-05-22.
2. ^ Thomas Risberg (2002-02-26). "BEA Acquires Appeal Virtual Machines, Makers of JRockit". TheServerSide.com. Retrieved 2009-03-04.
3. ^ "Oracle JRockit: The Definitive Guide". wowebook.com. June 2010. Retrieved 2011-05-22. *"Marcus Hirt is one of the founders of Appeal Virtual Machines, the company that created the Java Virtual Machine JRockit. He is currently working as Team Lead, Engineering Manager and Architect for the JRockit Mission Control team."*

This Swedish corporation or company article is a stub. You can help Wikipedia by expanding it.

Categories: BEA Systems | Oracle software | Companies based in Stockholm | Companies established in 1998 | Swedish company stubs

Open Standards - semantics



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POSC Caesar

From Wikipedia, the free encyclopedia

This article **may contain material not appropriate for an encyclopedia**. Please discuss this issue on the talk page. *(February 2010)*

POSC Caesar Association (PCA) is an international, open, not-for-profit, member organization committed to promote the development of open specifications to be used as standards for enabling the interoperability of data, software and related matters.

PCA is the initiator of ISO 15926 "Integration of life-cycle data for process plants including oil and gas production facilities" and is committed to its maintenance and enhancement.

Nils Sandsmark has been the General Manager of POSC Caesar Association since 1999[1] and Thore Langeland, Norwegian Oil Industry Association (Norwegian: *Oljeindustriens Landsforening*, OLF), is the Chairman of the Board.

Contents [hide]

1 Brief history of POSC Caesar Association
- 1.1 Caesar Offshore
- 1.2 POSC Caesar project
- 1.3 POSC Caesar Association

2 Membership

3 Activities and services
- 3.1 Initiator and custodian of ISO 15926
- 3.2 Reference Data Services
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POSC Caesar Association

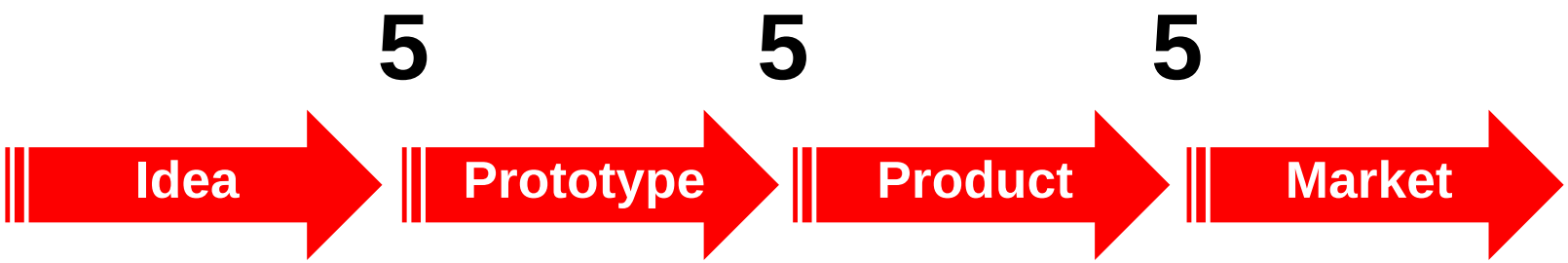
POSC Caesar Association

Logo for POSC Caesar Association.

Abbreviation	PCA
Formation	1997-11-14
Legal status	Association
Purpose/focus	Promote the development of open specifications to be used as standards for enabling the interoperability of data, software and related matters
Location	Bærum, Norway
Region served	Worldwide

From idea to product.....

Sam Fuller
Research Director
Digital / DEC



Oracle Exa family

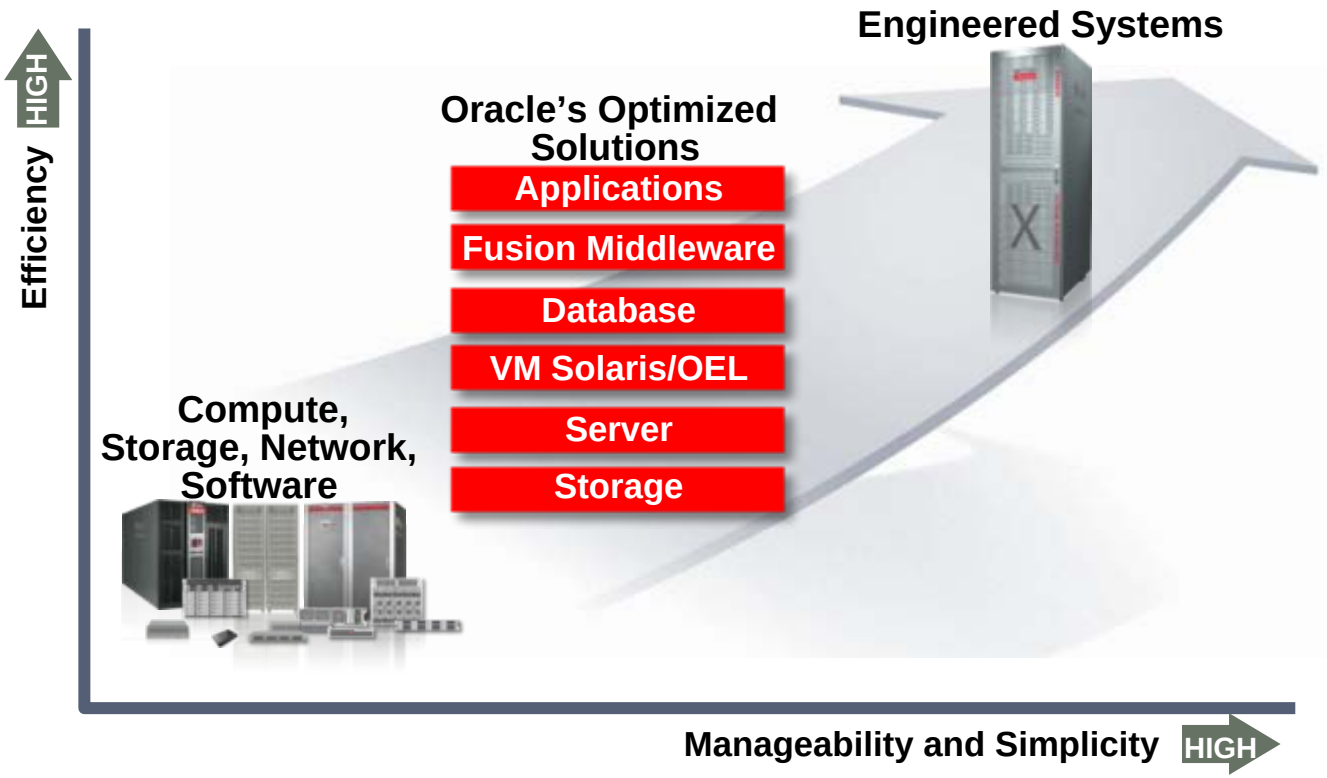
Software & Hardware - Engineered to work together

For the Optimized Datacenter & Cloud

- Fabric Architecture (Infiniband)
- Extensive use of flash memory

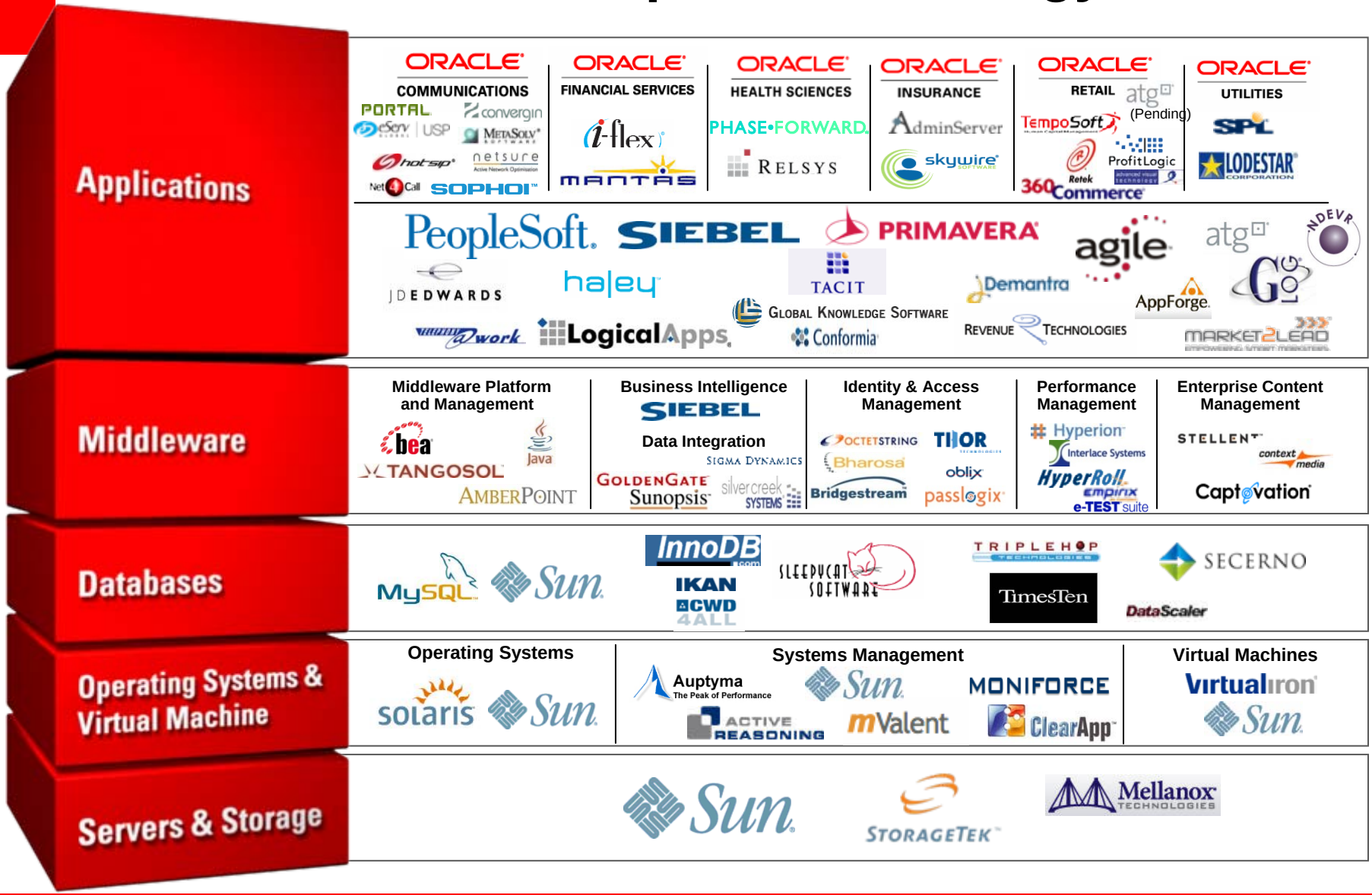
Oracle Addresses The Range of Customer Needs

High Performing Application-to-Disk Solutions from a Single Vendor



Hardware and Software
ORACLE
Engineered to Work Together

Oracle Acquisition Strategy



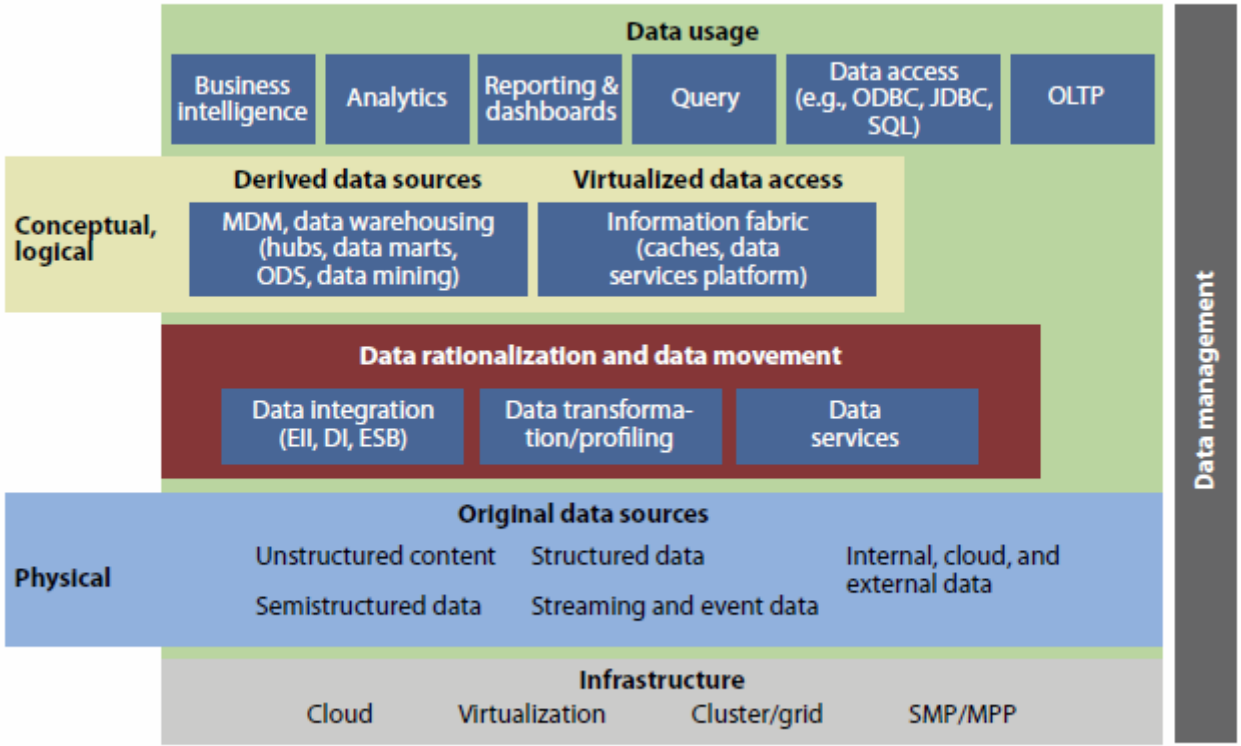
Last Update: 28-Feb-2011

Hardware and Software
Engineered to Work Together

Simplify

Data Management Reference Model

Figure 1 The Data Architecture Reference Model



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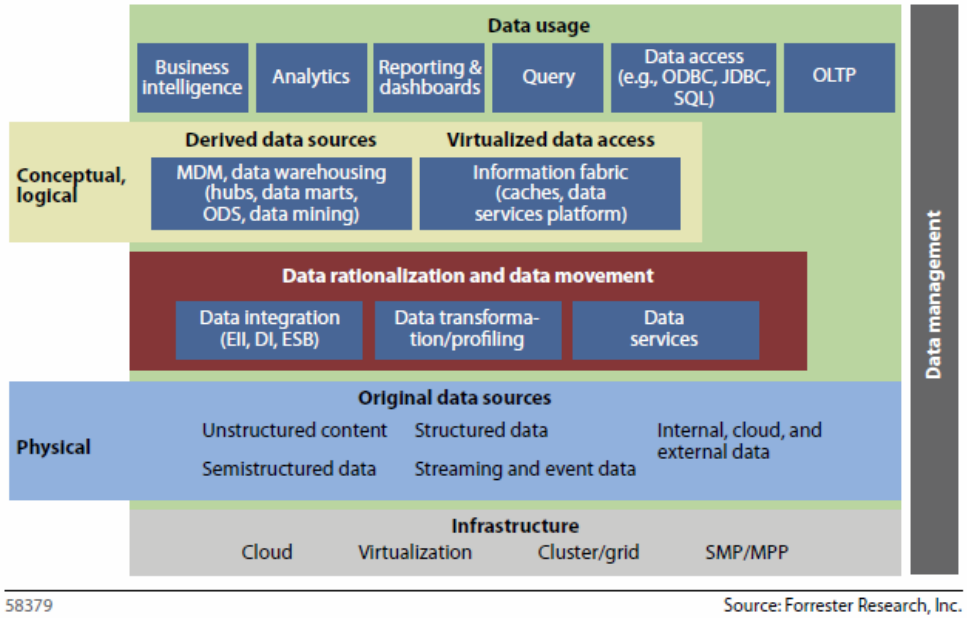
Source: Forrester Research, Inc.

Oracle's Primary Offerings in Semantic Technologies

Figure 1 The Data Architecture Reference Model



58379 Source: Forrester Research, Inc.

- Semantics in Integration Technologies
  (because information needs to integrated – or related – intelligently, with added value)
- Database 11g Semantic Technologies
  (because information needs to be stored & queried – intelligently, with added value)

In use? A Reality or a dream?
Oracle Semantic Technology Adopters

Life Sciences

AstraZeneca

Lilly

11g Reference

Pfizer

11g Reference

gsk GlaxoSmithKline

SIB Swiss Institute of Bioinformatics

11g Reference

NOVARTIS

Defense/ Intelligence

National Geospatial-Intelligence Agency

Education

The University of Michigan 1817

Pathway Knowledge Base

Stanford University

Telecomm

Hutchinson 3G Austria

Clinical Medicine

Hôpitaux de Rouen

The University of Texas Health Science Center at Houston

11g Reference

Publishing

Westlaw

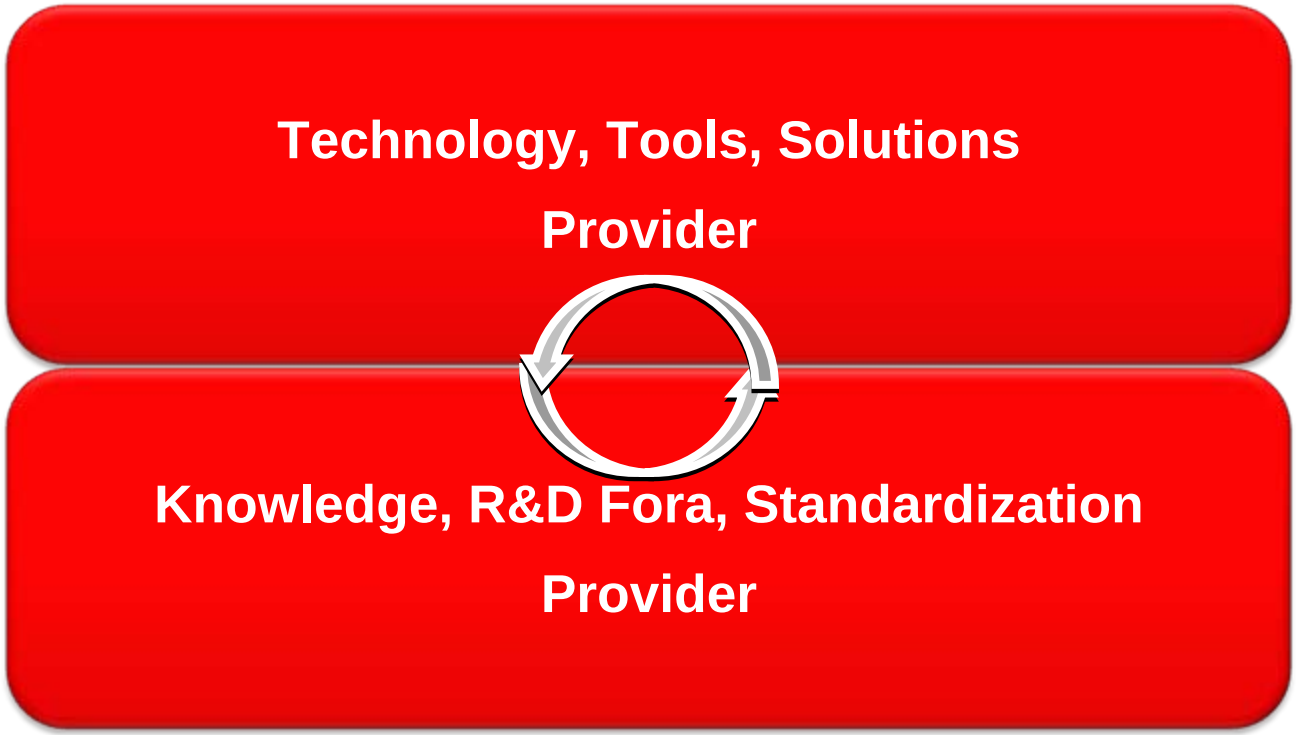
Thomson Reuters

11g Reference

Adoption of Semantics-enabled Applications

- Intelligence, Law Enforcement:
  - Threat analysis, asset tracking, integrated justice
- Integrated Bio-Informatics & Health Care
  - Bio-Pathway analysis, protein interaction
- Health Care Informatics
  - Patient records, reporting, bio-surveillance
- Finance
  - Fraud detection, Compliance Management
- Web and Social Network Solutions
  - Recommender, Social Network Analysis, Activity Analysis
- Media, Games, Content Management
  - Media metadata, content re-purposing
- Many more, actively looking into: Public (all registrars, tax authorities, social offices, reporting/collecting/controlling authorities...), Oil & Gas, ...

Next steps…..


Technology, Tools, Solutions
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Knowledge, R&D Fora, Standardization
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http://search.oracle.com

Semantic Technologies

Google

Oracle RDF

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E-mail: naci.akkok@oracle.com
Cellular: +47 47 02 6879

Simply Put: Why Semantics?
Issues in Semantic Interoperability

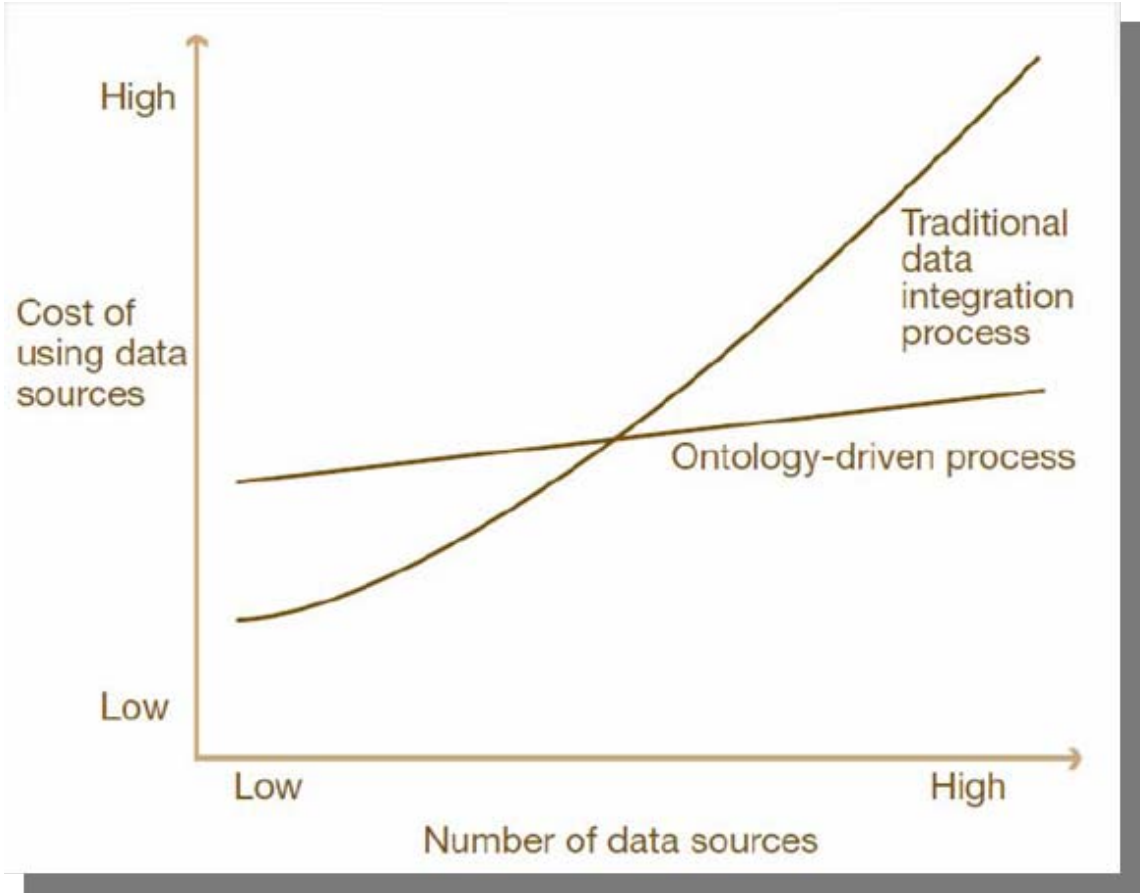
- Data-centric vs. information-centric integration

So how does data become information?

By introducing semantics?

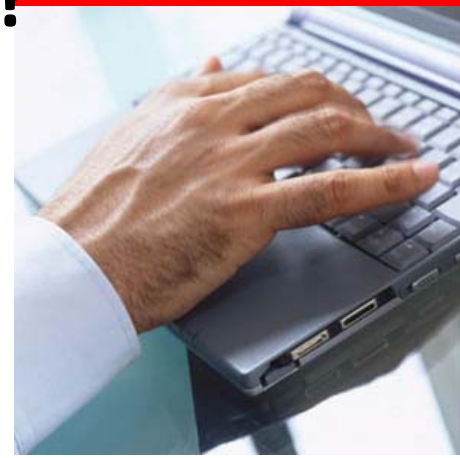
So how do we reduce cost of information (i.e., cost of inter-operability, cost of integration of information)?

By relating information instead of integrating data?



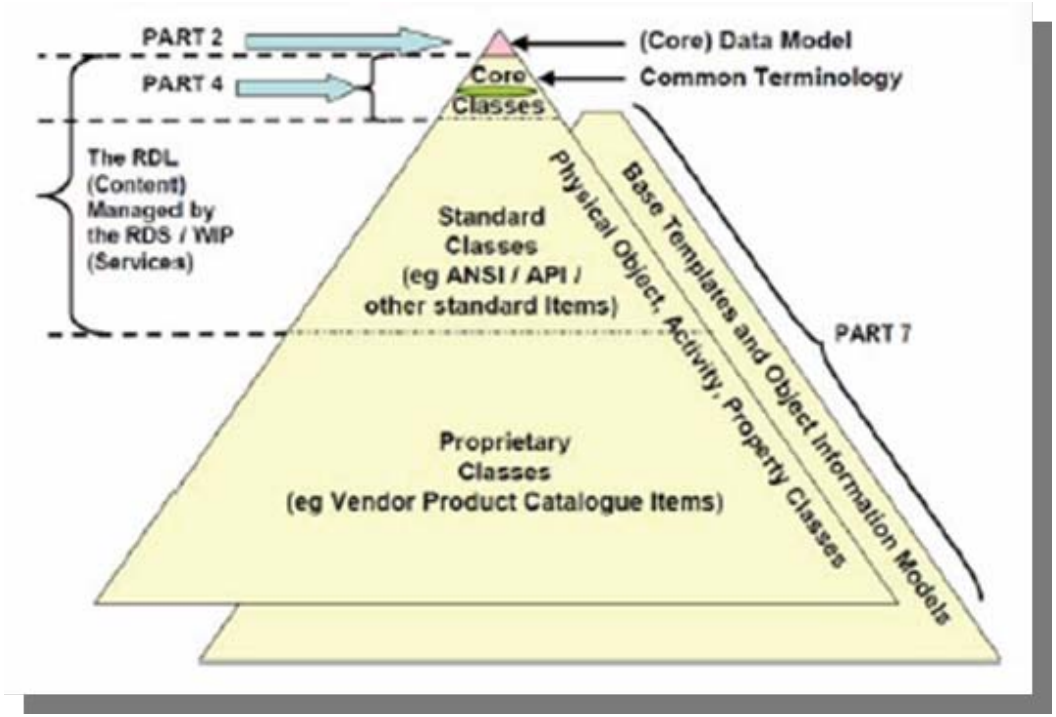
Source: PricewaterhouseCoppers

What's Unique in Oracle's Offerings?



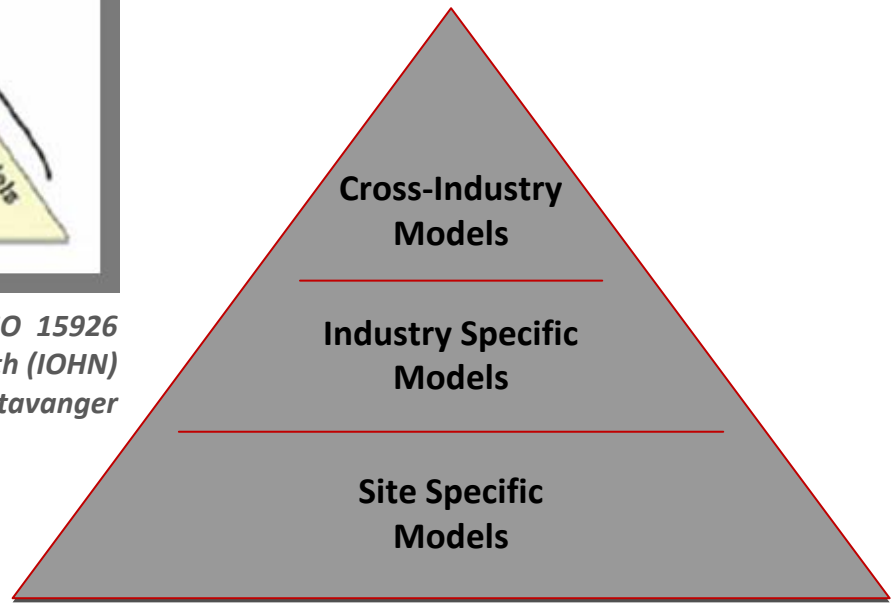
- In addition to being Open, Complete & Integrated, with hardware & software optimized for each other:
  - Only commercial actor with a functioning industry strength triplestore
  - Well integrated traditional & semantic technologies (Semantic DB, RDB)
  - Only vendor who has moved semantics to regular middleware (Canonical Models in Integration, AIA FP), offering true semantic interoperability in its tools
  - Very High performance, true scalability (even in ad-hoc querying, through components like Coherence, industry leadin in-memory object cache), which means that we can in effect provide semantic interoperability and sound integration both wiothin and in between upstream & downstream

Semantics in Integration Technologies: Application Integration Architecture (AIA)



Sources: ISO 15926
Integrated Operations in the High North (IOHN)
Inge Svensson, BEACON Enterprise Services, 2-June-2010, Stavanger

Oracle's Canonical Model Based Reference Architecture for Integration



Source: Oracle® Application Integration Architecture (AIA)