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42 real Life Examples of Fusion Middleware with Applications

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42 real Life Examples of Fusion Middleware with Applications

This nontechnical session presents real-life examples of how Oracle Fusion Middleware is used with Oracle Applications to show how to gain business value from Oracle Fusion Middleware. Last year, in "A Thoroughly Modern Customer," this session's speaker discussed the opportunity at a new organization and the rare chance to use the latest releases. In the real world, that opportunity is not available for most: cost and business restrictions mean that you can't "start from scratch." Your integration or security projects are more modest and may seem more minor than what is presented. This year's session showcases little projects that take you small steps down the road of Oracle Fusion Middleware and how they have helped users.

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42 Real Life Examples of Fusion Middleware with Applications

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- Oracle Alliance Director and Fusion Champion for Fujitsu UK & Ireland
- Oracle ACE Director, OCP & Oracle Masters
- Oracle Apps since 9.4.1 (14 years)
- President of UKOUG
- 2008 Oracle Magazine Award ‘User Group Evangelist of the Year’

Objectives

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To understand through examples that adoption of Oracle Fusion Middleware is about business value and does not need to be the ‘big ticket’ project.

42 – The Answer to Everything

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The Hitchhiker's Guide to the Galaxy by Douglas Adams

"Forty-two," said Deep Thought, with infinite majesty and calm. "The Answer to the Great Question, of Life, the Universe and Everything"

Life, The Universe and Everything

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- Yes, the white paper does have 42
- The presentation will concentrate on

  Life, The Universe and Everything

Almac – Global Life Sciences

CERN – European Organization for Nuclear Research

UK Public Sector Shared Services

http://www.fujitsu.com/uk/services/application-services/enterprise-applications/debra-lilley.htm

FMW– The Technology

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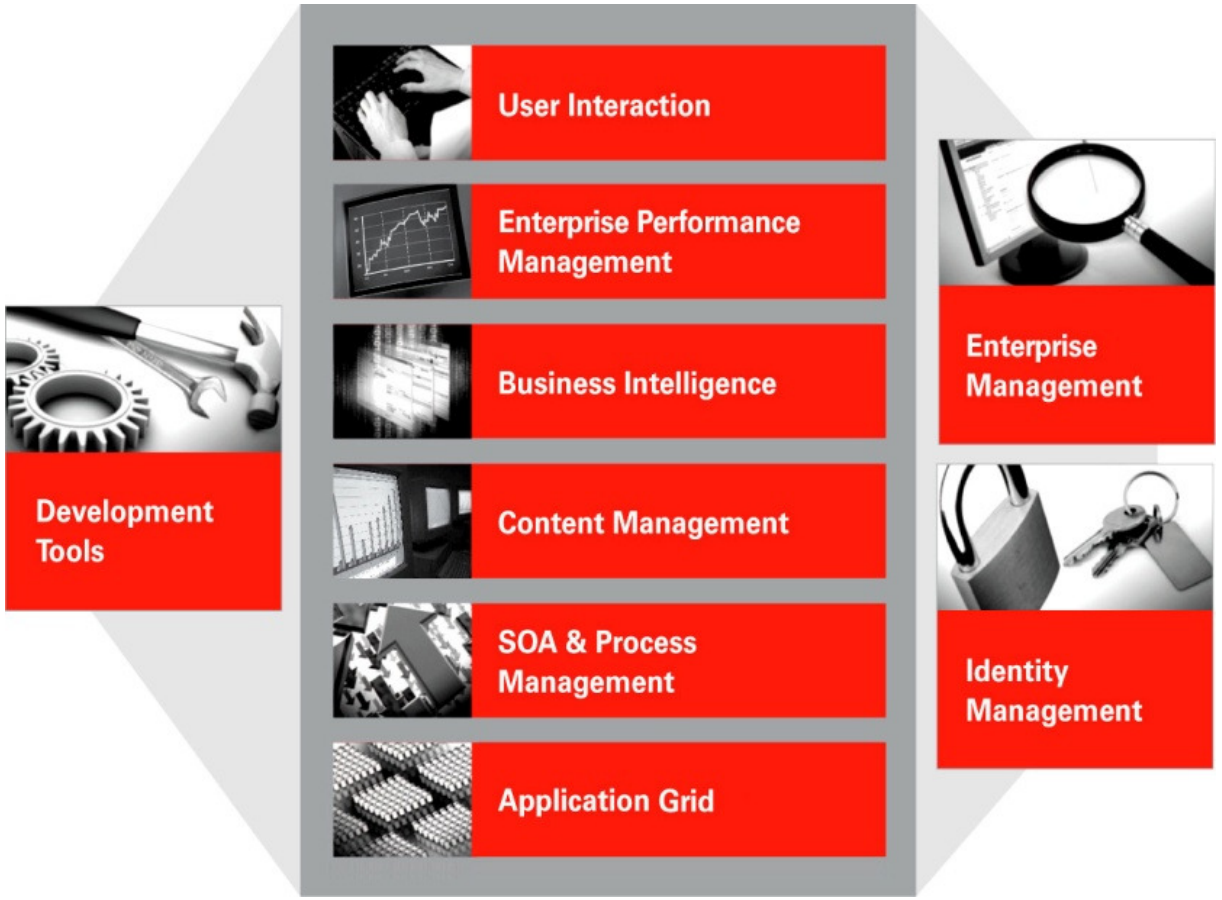

Fusion Technology for the IT Estate

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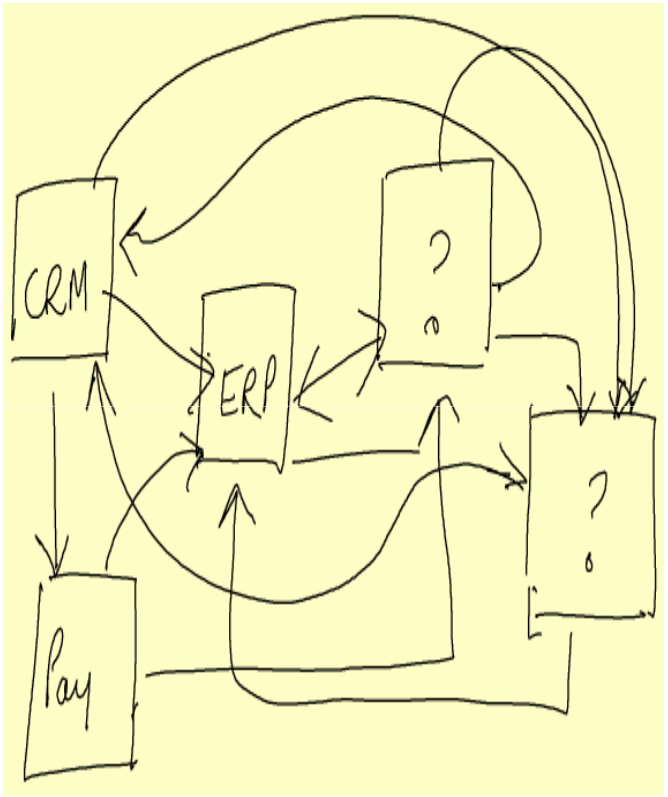

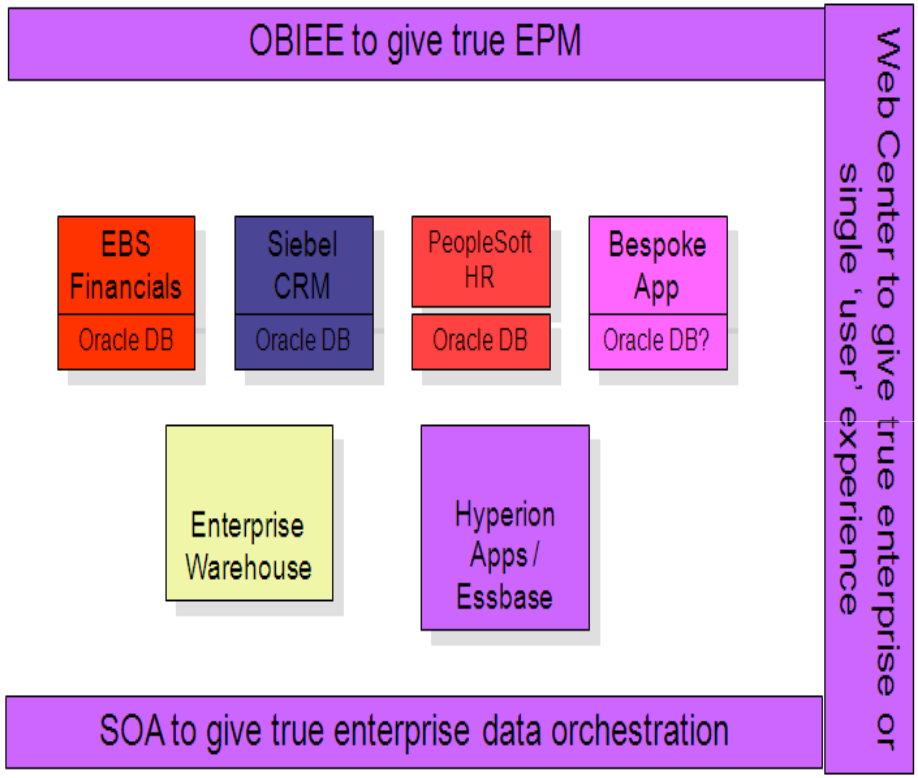

From This ……To This

When is Small Too Small?

- User gets set up in:
  - EBS when they join
  - Glovia when they first submit expenses
  - Scheduling when they first go out on a job
- Data not always matching, not timely

- Simple solution, quickly adopted when a new user entered in EBS, trigger sends email to admin of other 2 systems with user details
- Currently – SSO being implemented
- Planned – SOA for the actual 'onboarding'
- Note, EBS is being used as Master Data Management

FMW Adoption Strategies

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- Standardization of Mid Tier Architectures
- Rationalization of Integration
- Extending value of packaged Applications

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Oracle Europe, Middle East, and Africa

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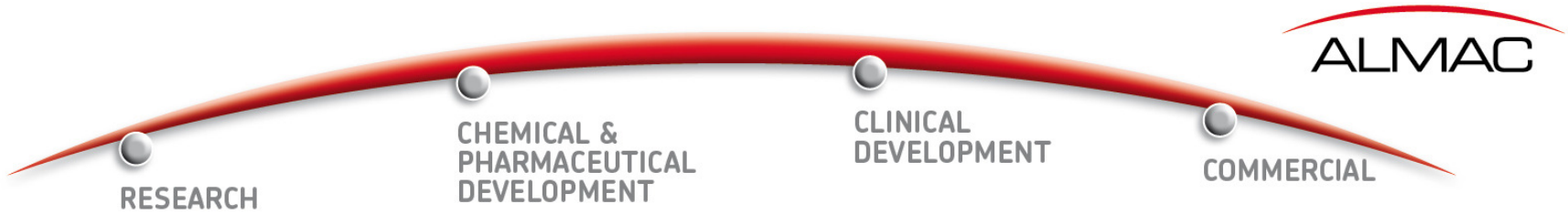
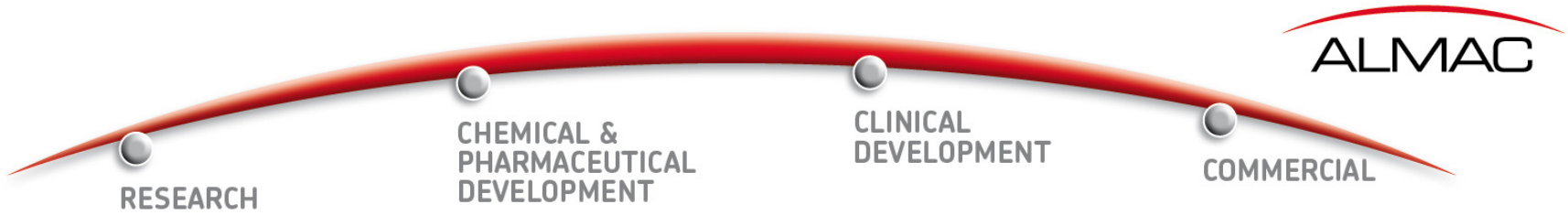
Life (Sciences)

Rationalization of Integration



Portfolio of Services

Service	Craigavon	Audubon	Durham
Comparator Sourcing	****	****	****
Blinding (e.g. over-encapsulation)	****	** (**** in new facility)	N/A
Primary packaging	****	****	N/A
Labelling and Kit Assembly	****	****	****
Label Printing	****	****	N/A
Analytical Services	****	N/A (**** in new facility)	N/A
QP Release	****	N/A	N/A
Global Distribution	****	****	****
Drug Supply Management	** (**** from 2010)	** (**** from Q4 2010)	****
Pharmacy Services	N/A	N/A	****
Integrated IVRS	****	****	****
Returns and Destruction	****	N/A	****
Formulation and Development	****	N/A	N/A
Solid dose manufacturing	****	N/A	N/A



Experience

- ✓ Management of over 10,000 global studies
- ✓ Ambient, Refrigerated, Frozen, Cryogenic, and Controlled Drug

Global packaging capacity

- ✓ MHRA Licenses/Letters of compliance for all sites
- ✓ US facilities approved by FDA and DEA
- ✓ >100 rooms dedicated to clinical supplies
- ✓ In-house label design and generation

Comprehensive offering to manage supplies

- ✓ Comparator Sourcing
- ✓ Primary: Blinding, Encapsulation, Foiling, Bottling
- ✓ Secondary: Walleting, Labeling and Compilation of patient kits
- ✓ QP resource and consulting, dedicated analytical support
- ✓ Specialised: Inhaler Blinding/Placebo Conversion

ALMAC

Global Presence

- ✓ Global distribution management (> 15,000 shipments/month)
- ✓ Audited and approved Depots world wide
- ✓ Returned material, accountability and destruction

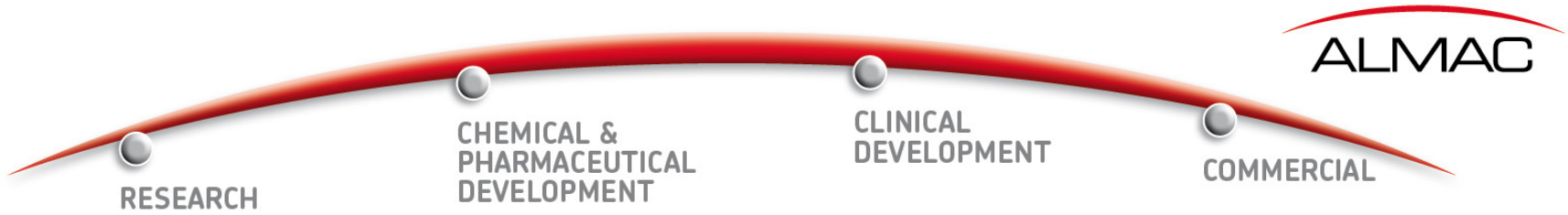
Supply strategy, planning and oversight

- ✓ Supply strategy
- ✓ Design of initial and re-supply packaging campaigns
- ✓ Drug Supply Management
- ✓ Pharmacy services and expertise from our Durham site

Extensive Project Management experience

- ✓ Dedicated project managers
- ✓ Global studies controlled by a master site
- ✓ Integrated IXRS management with

ALMAC Clinical Technologies

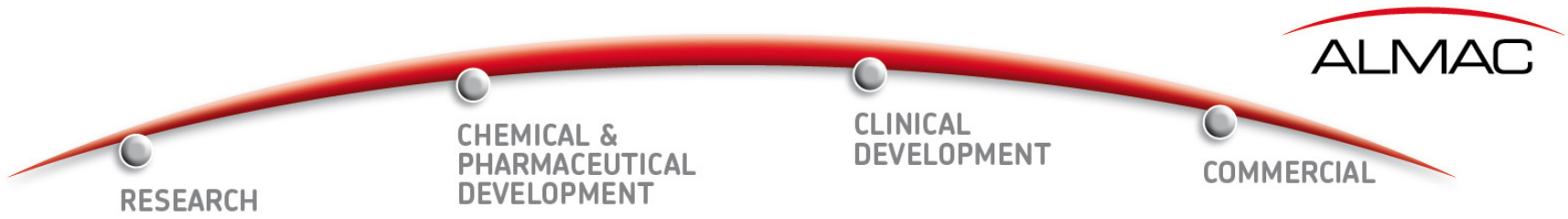


Business Need:

Integration into EBS from other systems key to our business such as AutoShip, Site and Patient Management and DCRI (Duke Clinical Research Institute).

Oracle Footprint

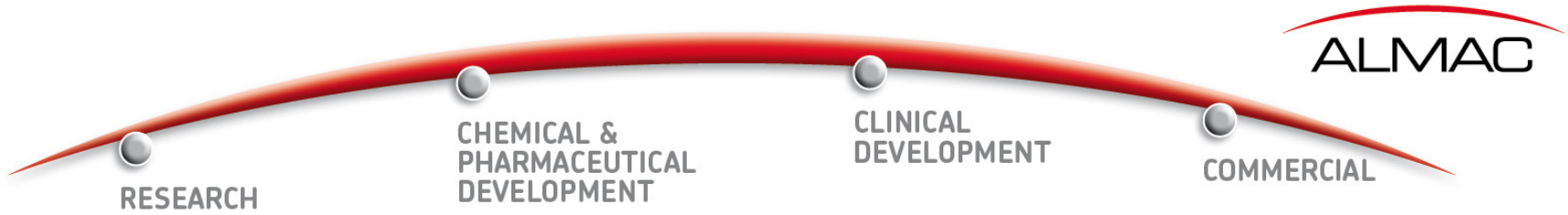
- EBS 11.5.10 and 12.0.6
- Multiple Enterprise DB licenses 10gr2
- Multiple Standard DB licenses 8i – 10g
- Multiple Standard Edition 1 DB licenses 10g + 11g
- Oracle RAC 10g
- OAS 10g
- BPEL 10g



FMW solution:

- The AutoShip and SPM projects deal with data sent in from various (customer) sources in a range of different formats. In SPM we have individual BPEL processes to handle specific steps of the process and/or different files that we receive. This allows us to extend our solution relatively easy to include functionality for new file types, data sources and many more possibilities. AutoShip uses a similar architecture, but it addition also uses BPEL to assist in the construction and ftp data files.

- Some processes originally carried out using pure BPEL have now been rewritten to include reusable web servies.



Next Steps

- The DCRI project is the third project to have BPEL as part of its solution. A lot of lessons learned from our first two projects will benefit this implementation greatly. For example, we know that although BPEL has a FTP component, it does not support sFTP. To work around this we will have BPEL interact with a web service that supports this protocol

- Recently we have been working with Almac Clinical Technologies (another division in the Almac Group)and exchanging the data formats we expect in order to interact with SPM and AutoShip. Almac Clinical Technologies will be using AutoShip for site creation and drug orders and using SPM for patient enrolment and resupply events. Even though both groups of services were developed independently, Clinical Technologies will be using them simultaneously to update the same set of protocol data in COSMOS

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The Universe

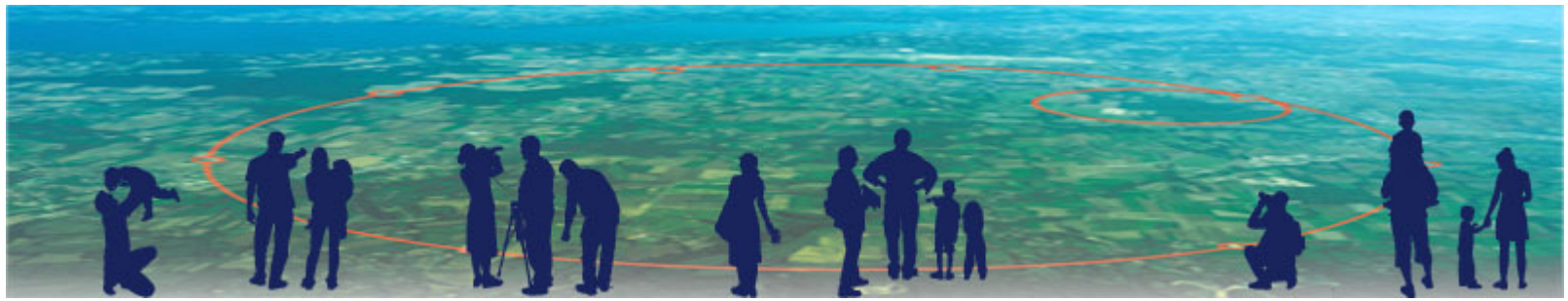
Standardization of Mid Tier Architectures

CERN in a nutshell

CERN, the European Organization for Nuclear Research, is one of the world's largest and most respected centers for scientific research. Its business is fundamental physics, finding out what the Universe is made of and how it works. At CERN, the world's largest and most complex scientific instruments are used to study the basic constituents of matter — the fundamental particles. By studying what happens when these particles collide, physicists learn about the laws of Nature.

The instruments used at CERN are particle accelerators and detectors. Accelerators boost beams of particles to high energies before they are made to collide with each other or with stationary targets. Detectors observe and record the results of these collisions.

Founded in 1954, the CERN Laboratory sits astride the Franco–Swiss border near Geneva. It was one of Europe's first joint ventures and now has 20 Member States.



European Organization Nuclear Research

The name CERN

CERN is the European Organization for Nuclear Research. The name is derived from the acronym for the French Conseil Européen pour la Recherche Nucléaire, or European Council for Nuclear Research, a provisional body founded in 1952 with the mandate of establishing a world-class fundamental physics research organization in Europe. At that time, pure physics research concentrated on understanding the inside of the atom, hence the word ‘nuclear’.

http://public.web.cern.ch/public/

CERN as consumers of IT

FMW as strategic platform to build & deploy CERN administrative applications.

Oracle Estate:

- Oracle EBS 11.5.10 for HR
- All systems have Oracle databases
- Use Oracle iAS 10.1.3 for their original SOA implementation, moving to WebLogic
- Agile for Product Lifecycle Management (one of the underlying systems).

CERN - examples of use

FMW Solution 1: Web Application Document Handling

Business Benefit : Movement of documents around the organisation, this is a global process. The routing and authorization of these documents is a custom built solution. Every member / employee of CERN is a user of this system.

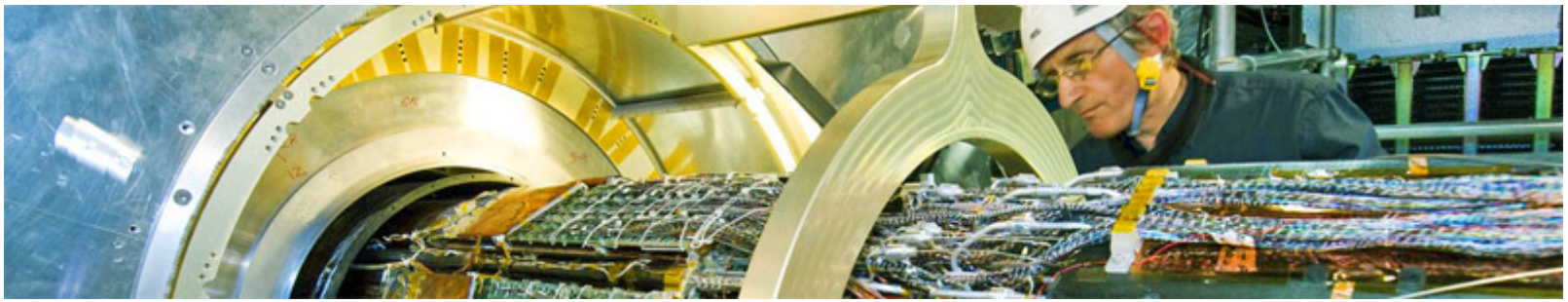
FMW Solution 2: Web Application HR Toolkit

Business Benefit : Light touch front end to HR, similar to self service but at less cost

FMW Solution 3: Engineering & Equipment Data Management System

Business Benefit: Portal like front end to a variety of systems.

A presentation layer is written in Java with some PL SQL, access to design documents



CERN - Current Plans

"Oracle WebLogic Server with Oracle JRockit Virtual Edition significantly simplifies the maintenance of our middleware solutions and provides cost-effective scalability on demand as it runs without a guest operating system. Overall, WebLogic Server with JRockit Virtual Edition will allow us to respond faster to the request of our users"

Carlos Garcia Fernandez, Computer Scientist, CERN

Panellist on upcoming Oracle Virtualization & private Cloud Webcast

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Everything - Shared Services

By their very nature government departments and agencies are very cautious about sharing specific information. This example is based on several real life organizations.

Extension of Packaged Applications

Common Pain Points

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- Increasing cost of ownership for IT
- High internal cost of supporting IT change, Testing etc
- Slow response time to change
- High level of customisation driving cost
- High operating cost – e.g. FTEs
- Solution includes workarounds
- Staying aligned with Oracle roadmap
- Need to improve ease of use and enhanced functionality
- Difficulties / limitations in adding to shared service

Oracle Shared Service Insight

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Conference Room Pilot approach	
Release Management	
Planning for upgrades etc	OEM
Data management	SOA, BI
Integration	SOA
Minimal customisation	EPM
User Acceptance Testing	
Business Change Programme	
Project Team	
Training	
Methodology	
Governance	
Roles and Responsibilities	ID Mgt
Business Processes	BPM
Harmonisation	Portal
Security	Portal, ID Mgt

Summary

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- Fusion Middleware can revolutionize your IT estate
  - *Or*
- Simply iron out your issues

- Your Project doesn't have to be enterprise wide
  - *But*
- There is a cost point for ROI

- Think *Big*, Start *Small*

White Paper Contributors

Questions

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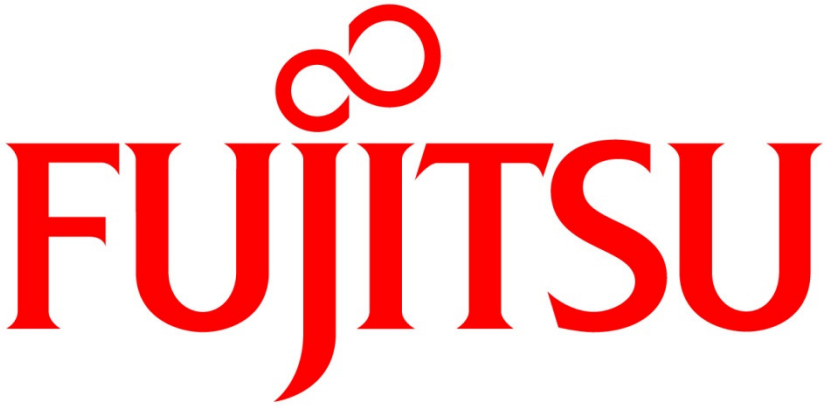

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