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.
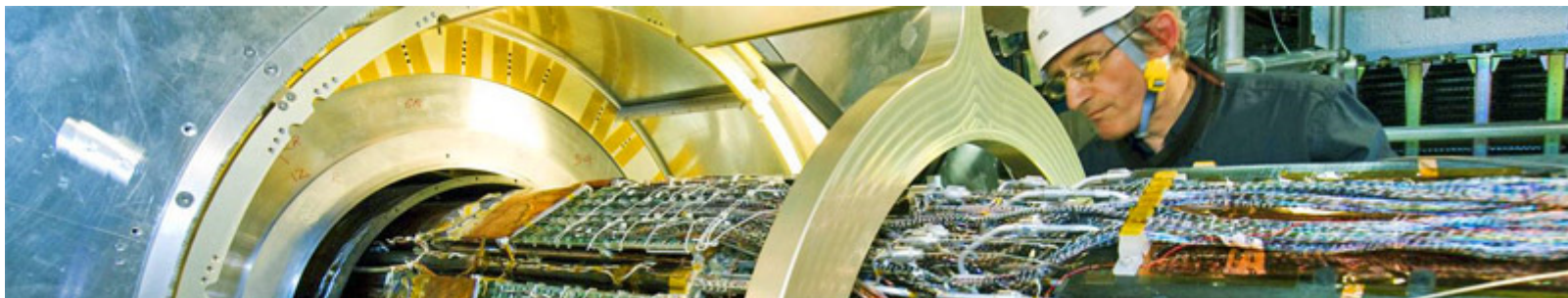
FMW Solution 2: Web Application HR Toolkit

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

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

- 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
- 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
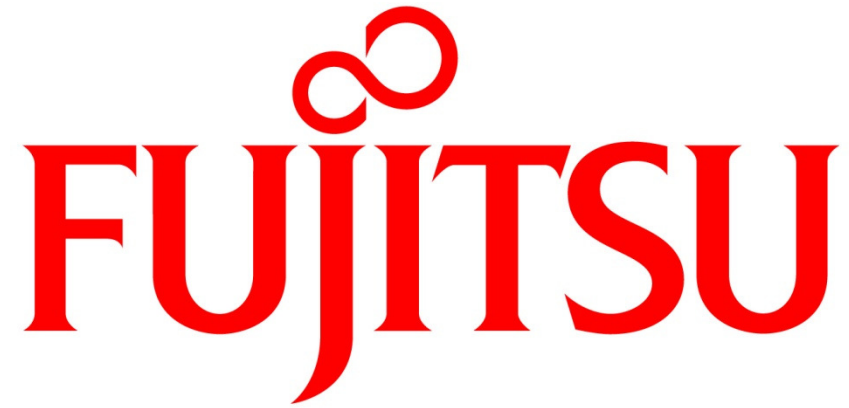
- Think *Big*, Start *Small*

White Paper Contributors

Questions

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