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Oracle's Activity in openlab II: 2007 Achievements and 2008 Plans

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EMEA Oracle in Research & Development Programme



2007 Activity



Supporting the LCG

- Getting Ready for LHC Operation.
- Building a reliable Service.

Dissemination and Outreach

- Publicise the successes.
- Papers.
- Events and Conferences.
- Customer Visits.

New Product, Version & Feature Testing

- Learn from the CERN Environment.

Supporting the LCG

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Oracle Technology behind the LCG



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DATABASE **10^g**

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REAL APPLICATION
CLUSTERS

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ENTERPRISE MANAGER **10^g**

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DATABASE **10^g Streams**

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DATABASE **10^g Partitioning**

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DATABASE **10^g ASM**

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Dissemination & Outreach

Dissemination & Outreach



NOVEMBER 11–15, 2007
MOSCONE CENTER | SAN FRANCISCO

2 Presentations & Intel CEO Keynote



5 Presentations plus 1 related (UK RAL)



DataGuard based Migration Paper

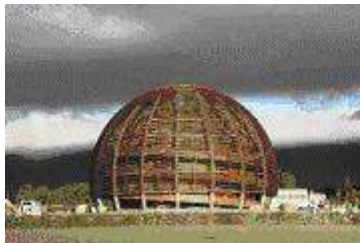
Plus EGEE, CHEP ...

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Dissemination & Outreach



Local Launch at CERN by Ken Jacobs



From R&D to Innovation:
Future Business Opportunities



Latest Event hosted by CERN

Oracle & CERN – 25 Years



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Product & Feature Testing

Joint Software Testing Programme (JST)



Ongoing goal to test early releases of database software

- Originally targeted at Oracle11
- Now including other releases and patches



Benefits

- for CERN is much earlier access to new code and direct contacts to development
- for Oracle is additional testing and feedback at early stages

2007 Achievements

- Successful testing of Database Capture and Replay technology
 - Test involving Oracle 10 and 11
 - Good and effective communication directly between CERN and Oracle Development
- Various other Oracle 11 features tested
 - Many bugs identified and fixed

Oracle Enterprise Manager



CERN is part of the *Strategic Customer Programme for Enterprise Manager*

- Direct peer access to Oracle EM development from within CERN
- CERN requirements/enhancements captured for consideration as future product incorporation (some examples on next slide)
- If/when necessary, escalation management from within SCP programme helps fast-track diagnostics and fixes through support & development
- As part of this community CERN are also priority invited to participate in the EM Beta programmes and Customer Advisory Board for EM

Oracle Enterprise Manager



- **Benefits & achievements to date**

- Development assistance on Solaris patching issues, EM cross-platform migration from Solaris to Linux, NetApp Filer monitoring bug fast track fixes, Job system/scheduling debug support, Linux x64 Agent fast track fixes
- CERN requirements captured on enhancements for :
 - Configuration management enhancements (future)
 - Apache Tomcat monitoring (delivered)
 - Streams monitoring enhancements (future)
 - Mac Safari support for EM (future)
 - Provisioning (possible future)



2008 Activity



Supporting the LCG

- **Getting Ready for LHC Operation.**

New Product, Version & Feature Testing

- **Learn from the CERN Environment.**
- **Still in planning, but lots of opportunities and ideas.**
- **E.g 11gR2 Database, 11g EM, TimesTen, Coherence DataGrid,**

Dissemination and Outreach

- **Publicise the successes.**
- **Papers.**
- **Events and Conferences.**
- **Customer Visits.**

Collaboration Strengths



- Tight, Trusted and Long-Term relationship
- Regular Exchange

- Direct Link to Development
- On-site regular presence
- Planning Forum
- Workshops

CERN openlab
is
the framework
and
the enabler



Thank you!!!



Fellows:

- Eva Dafonte Pérez
- Anton Topurov
- Dawid Wojcik

CERN Groups

- Mats Möller's
- Reinaud Martens'
- openlab management
- CERN IT management

Development:

- Bjørn Engsig
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Team

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- Graeme Kerr
- Account Team

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