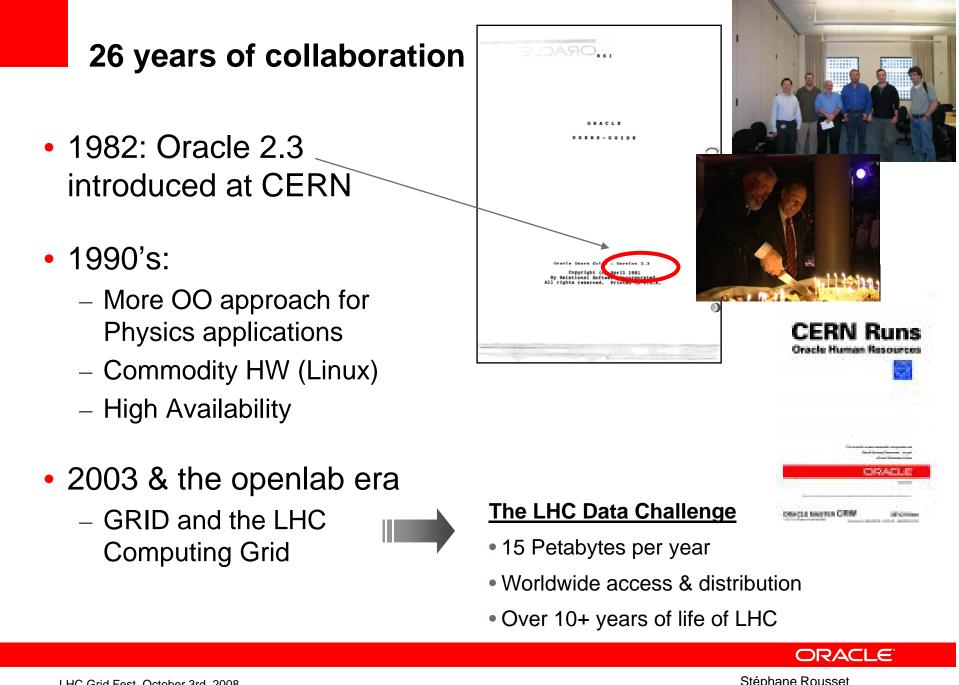


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When Research meets Industry

Stéphane Rousset Senior Vice-President, Oracle EMEA

LHC Grid Fest, Oct 3rd 2008



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Oracle Grid Technology

Environment resources sharing,

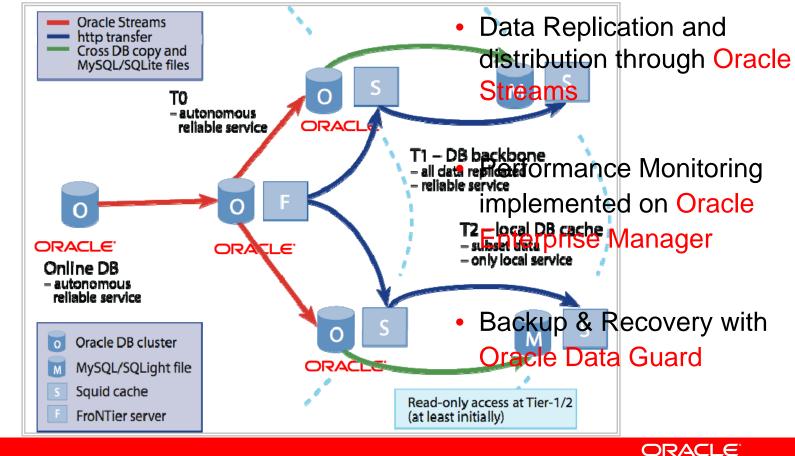
- ~280 Database Strong independency
- ~600 TB Rawdisight Ageailability, Scalability,
- RedHat Linux
- 41 Production Olisters Real Application Cluster (RAC)
- 24x7 Availability
 Oracle Enterprise Manager (OEM)
 - Oracle Automated Storage Management (ASM)
 - Oracle Data Guard

LCG Distributed Deployment of Databases (3D) Project

• A worldwide distributed database infrastructure for LHC

• Around 120 RAC nodes = 450 CPU cores at CERN

• Several tens of nodes at 10 T1 partner sites are in production now



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... and more!

- Alpha and Beta Testing
 - Oracle 11g
 - Oracle Enterprise Manager
 - Oracle Streams
 - New products
- Benchmarking
- Performance & Tuning
 - PVSS
 - Commercial SCADA application, critical for LHC and experiments
 - Archiving in Oracle Database
 - Tuning Results: moving from 100 "changes" per second to CERN needs 150 000 changes per second



DATABASE ENTERPRISE EDITION



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ENTERPRISE MANAGER

REAL APPLICATION CLUSTERS

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Business Impact

- Technology
 - Software enhancements
 - Software testing
 - Creating new Oracle experts (OCP)
- Customers Interaction
 - Customers Advisory Boards
 - Reference Calls and Visits
 - Best practices





- From R&D to Innovation: Future Business Opportunities event (Feb.2008)
 - Opportunities 50 senior leaders from customers, partners, business schools, European Commission
 - Round Table on issues preventing optimal interaction between Industry and Science/Academia

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CERN-Oracle Partnership

- Long-term
- Trust
- Openness

• CERN openlab is the right framework





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