Extreme Financial Forecasting with In-memory Analytics

Gilles FIORIO

Head of Consulting

Synchro *tech*

conseil d'entreprises

ORACLE®

EXALYTICS

The new «normal» of Planning

Uncertainty

If it ain't broke, don't fix it

Anytime, anywhere

If you don't know where to
go…go !! …As fast as you can…

Beyond budgeting

| Decentralization |
| Automation |
| Agility |
| Trends |
| Performance |

Dynamic Forecast

From rolling Forecast…

…to event-based approach

 3

Volume	More insight
Unstructured	Big challenges

Will the FP&A charter be transformed ?

Decision support

Speed

Responsive

Leadership
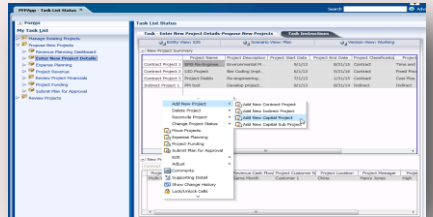
Timely

Accurency

Data analysis

Impact on Planning process

Specific skills

Exalytics provide the best software

Rolling forecast   Mobility   Data enrichment   Discovery

Master data Mgt   ETL

Collaboration   Unified reporting

Hyperion Planning   **Oracle BIFS**   **Endeca**

Top-down Bottom-up   Trigger event

Workflow and tasks   Times-Ten
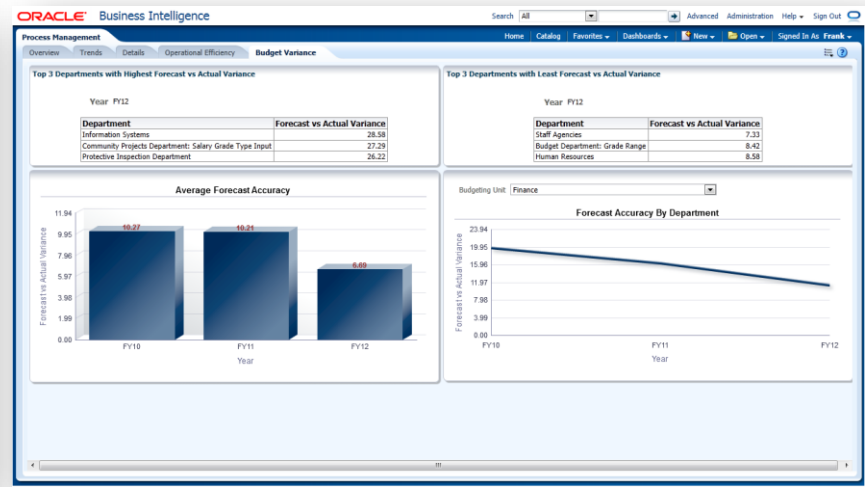
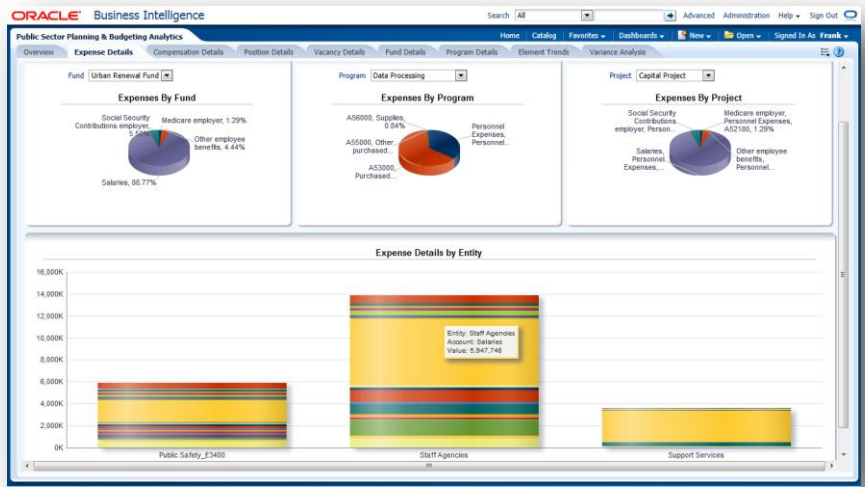Productivity

MOLAP Essbase engine
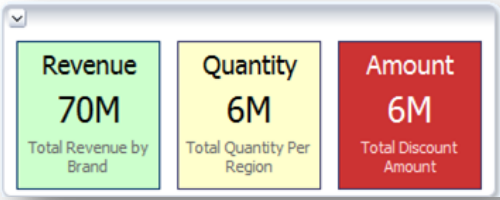
What if   Decision support   Sentiment analysis

Specific processes
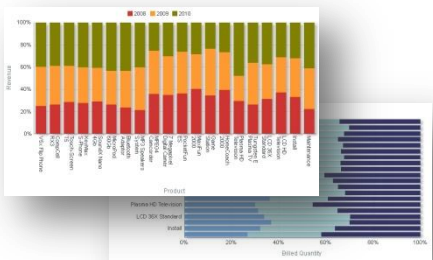
Progressive vizualisations

Progressive vizualisations

Performance Tiles

100% Stacked Bar
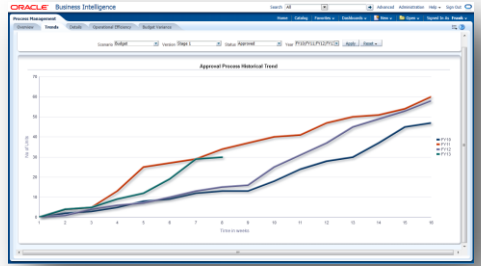
Trends
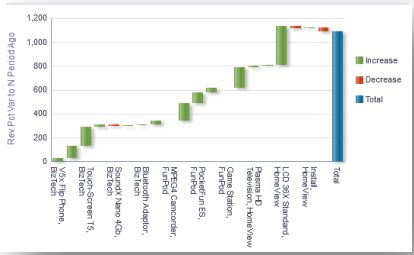
Waterfall

Trellis Chart Grid
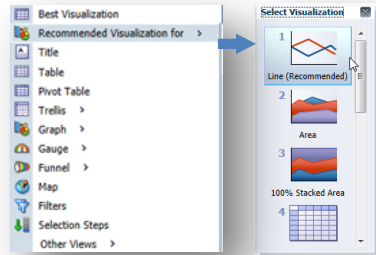
View Suggestions

Matching requirements ?

Decentralization

Automation

Agility

Trends

Performance

Volume

Unstructured

Timely

Accuracy

Decision support

Speed

Responsive

Leadership

Data analysis

Exalytics is the hardware too !

T5-8 or X3-4

Reliable

Compatibility

Sparing

40 to 128 CPU core

2 to 4 TB DRAM

2.4 to 6.4 TB of PCIe Flash

2 to 4*40 Gbps InfiniBand

2 to 4*8 Gbps Fibre Channel ports

2 to 4*10Gb Ethernet Ports

Up to 9.6 TB of raw disk capacity

Planning engine enhancements

7x
Calcul

80x
Read

20x
Write

More Planning cycle

Expend scope

Faster parallel load and export

Faster calcs and cube restructuring

Faster MDX queries

Indexes and data blocks in memory

Better cache management & index

Better workload partitioning & distribution

Matching requirements ?

Decentralization

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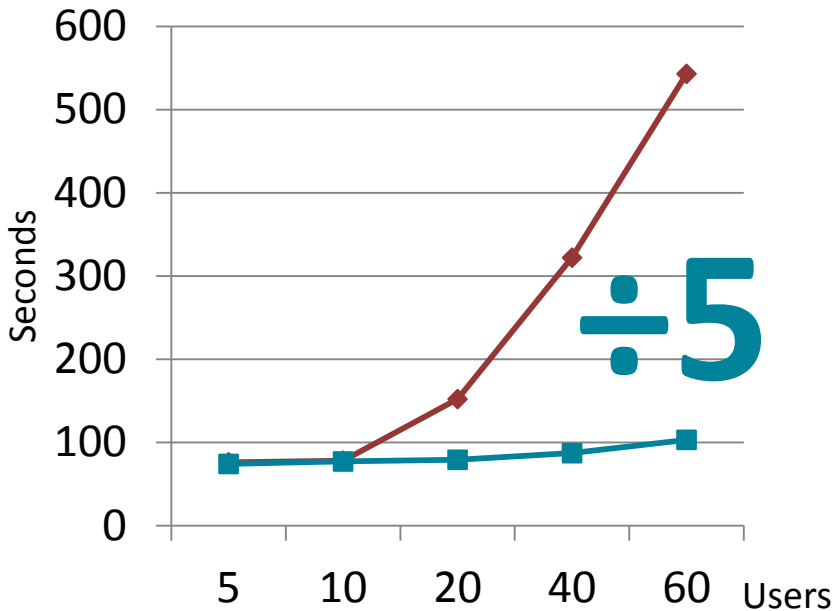
Data analysis

Performance Benchmark

Oracle Exalytics vs standard Oracle envt

Planning application and engine

Multi-user stress test with robot

Scenario 1. Response time retrieving
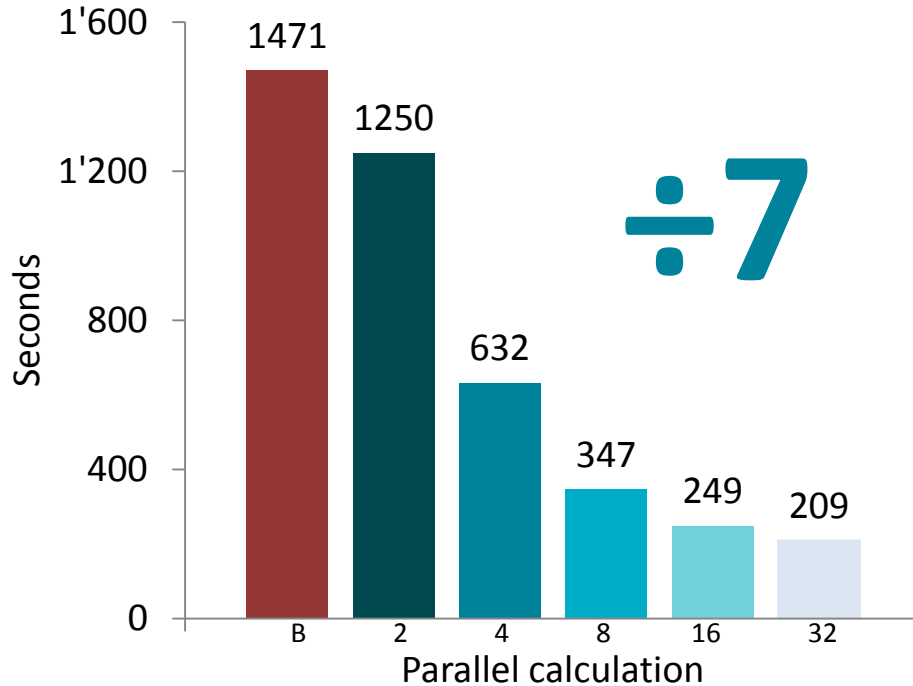

÷5

Data updated in five composite forms

12 dimensions

10'000 members Employees
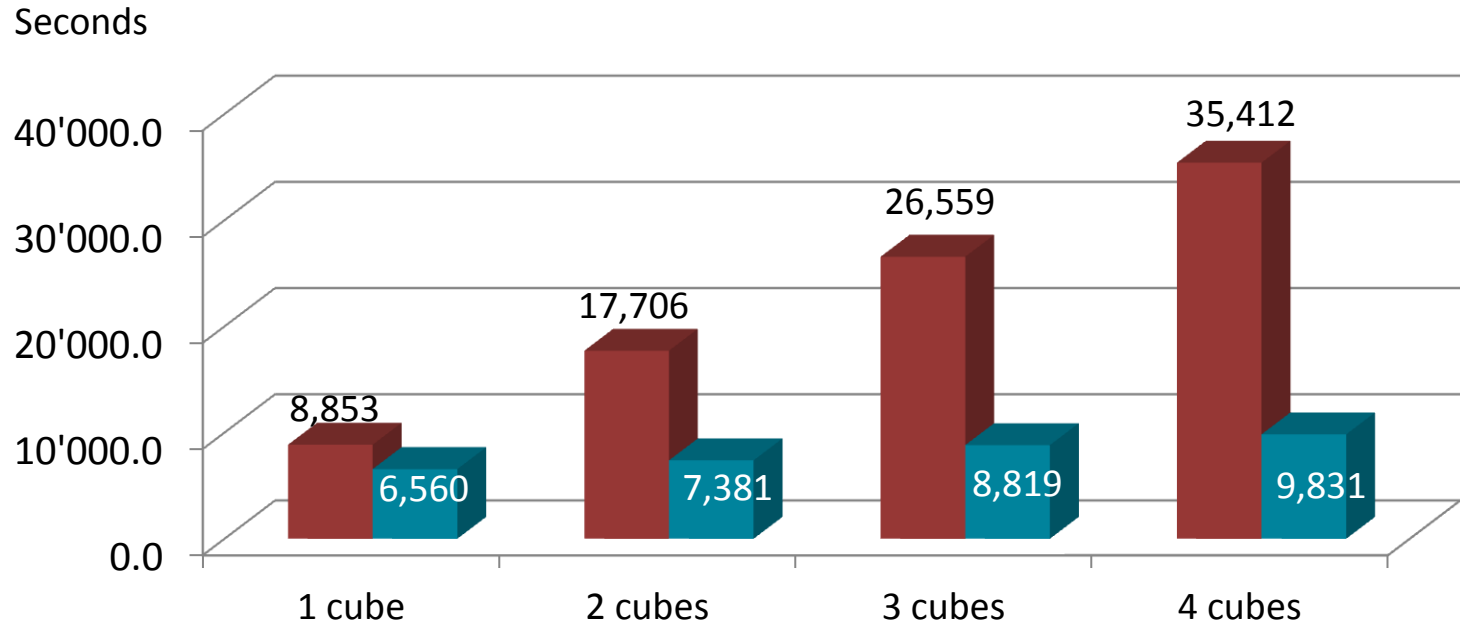
Scenario 2. Batch calculations
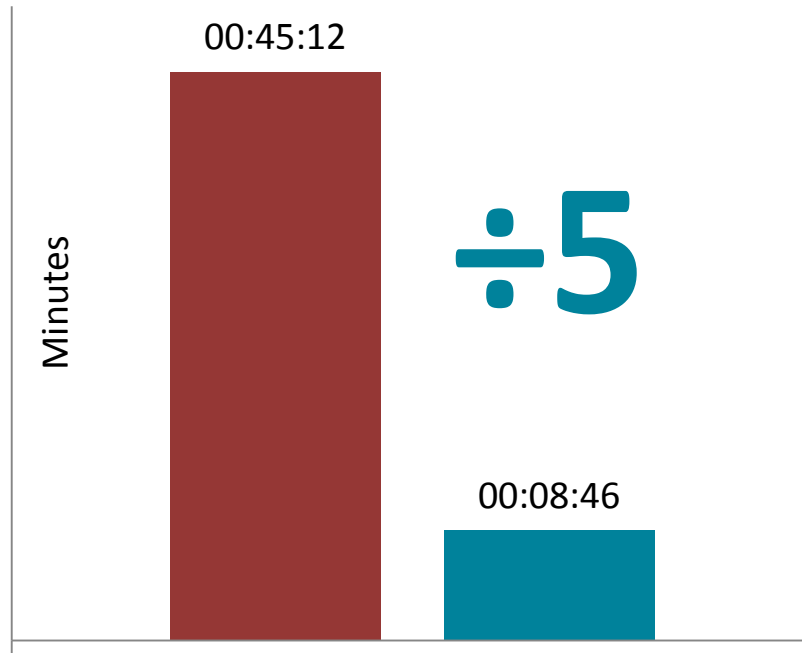

14 dimensions BSO cube

4 GB total size

Calcparallel calculation method

Scenario 2. Batch calculations

16

Scenario 3. Restructuration

00:45:12

÷5

00:08:46

Minutes

14 dimensions BSO cube

24GB (compressed) to 120GB

Scenario 4. Data load

Base line sequential load

Seconds

÷2

Exalytics parallel load

0   200   400   600   800   1'000

10 file data

2 GB each
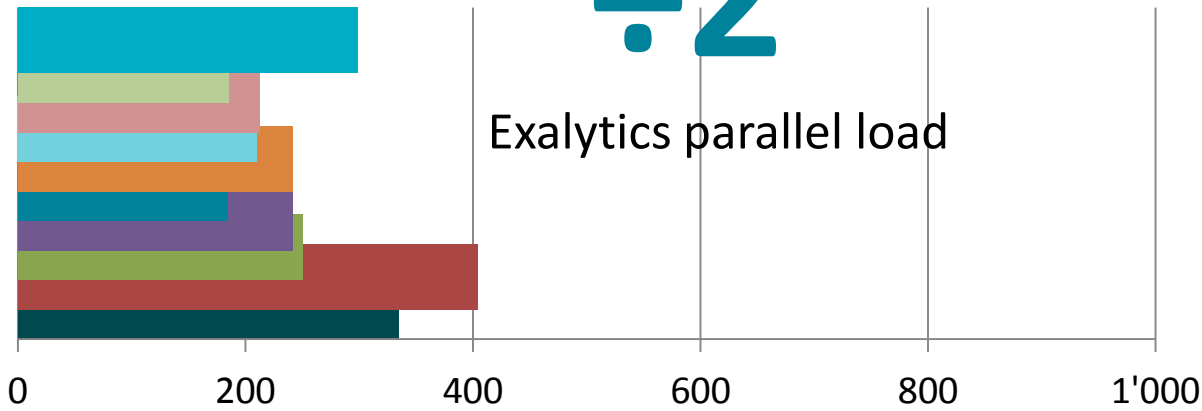
Use Parallel load

Optimize TCO

50x

Essbase

12x

Essbase
+BI Platform

Lower man-hours

Environments consolidation

Savings in scalability

Leveraging your existing license

Increased Application Availability

IAAS

Gilles FIORIO

Head of Consulting

Synchrotech SA

Rue du Châble-Bet 41, 1920 Martigny

Valais-Switzerland

+41 27 322 69 54 Phone

+41 79 220 02 43 Mobile

gilles.fiorio@synchrotech.ch

http://www.synchrotech.ch

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