

ORACLE®

Extreme Performance with In-Memory Database Technology – Real Life Stories

Presented at Oracle Open World



Ericsson Charging System

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Revenue Management



Do NOT turn off







Mobile Phone Statistics

- >6.800.000.000 people in the world
- >5.000.000.000 subscriptions
- >2.000.000.000 has access to PC
- >20% are Charged via Ericsson



What is Mobile Phone Charging System

Rating



- Calculate Price
- Promotions and Loyalty



Accounting

- Spending Control
- Multi Account
- Multi Units (\$, min., byte, SMS)
- Historical Usage



Non Functional Characteristics

Performance

- Real Time
- •# msec response time

Availability

- Telecom Grade
- •99.999% (max down 5 min/year)
- Quick and Automatic Failover



How is it done

High Performance

- In-Memory Database
- Quick Queries
- Predictable Response Time
- ACID

High Availability

- Share Nothing Cluster
- Replication
- LAN and WAN



Key Features in TimesTen

- > High Performance
 - In Memory
- Standard Interface
 - SQL
 - JDBC/ODBC
- > Low Maintenance
 - No DBA needed
- > Wide Hardware/OS support
- > Low System Impact



ERICSSON