



**Lowering Computing Costs and Real  
Time Business Intelligence with  
InfoSphere Change Data Capture**

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# InformationOnDemand**India2011**

The Premier Conference for Information Management  
**Manage. Analyze. Govern.**

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## Agenda

- Background
- Why InfoSphere CDC?
- Achievements



## Kotak Life Insurance

- 74:26 joint venture between Kotak Mahindra Bank Ltd., its affiliates and Old Mutual plc.
- Pan India Presence – 152 locations
- Covers over 3.4 million lives
- Wide range of products across the ULIP, Traditional and Term Spaces
- Capital efficiency and employee productivity among the best

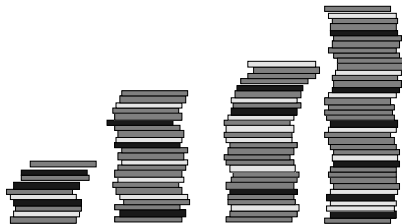


## Business Objectives

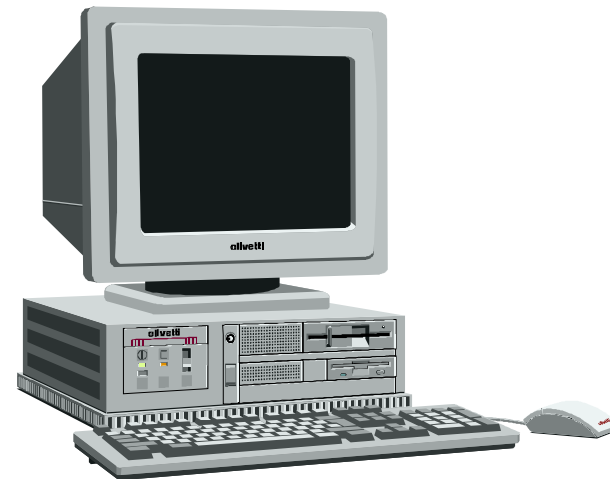
- Web Based Transaction Management Systems
- Information Portals for Customers, Agents and Employees
- Value Added Services for Customers and Agents like SMS, Email etc
- 24X7 Availability of the Core Systems
- Add-on Systems with Real Time Information Flow



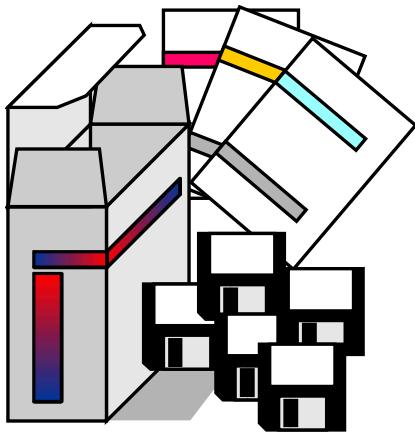
## Technical Concerns



**Heterogeneous and Disparate Databases**



**Most of the Core Systems are on Legacy Technologies**

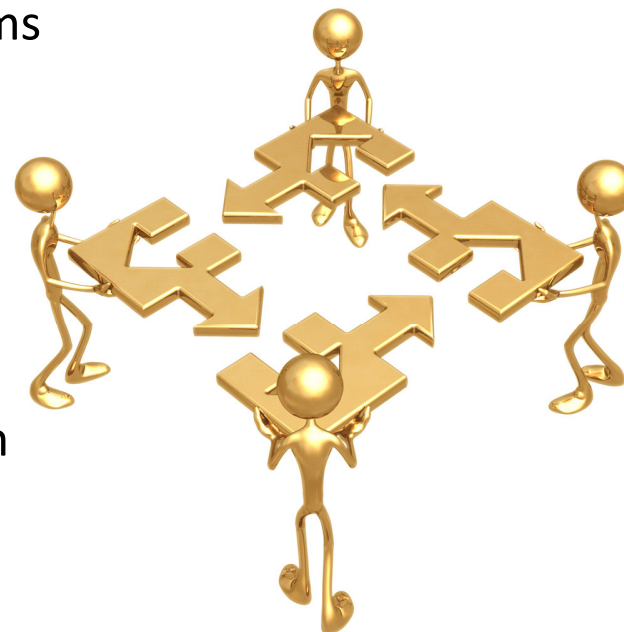


**Data Transfer were in batches and causing huge load on systems**



## The Solution

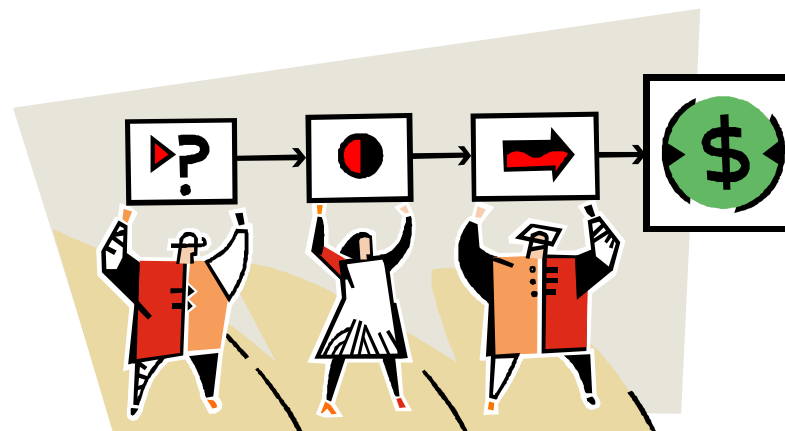
- Creation of Operational Data Store for all Systems
- Online or near Real Time Replication as far as possible
- All New Systems Development using this as the base data
- Transactions to be executed on the main system using messaging framework.



**The Success of this solution lies on a very strong and reliable Data Replication Tool**

## Proof of Concept

- Manual Scripts were created to replicate Data from AS400 to Oracle – ODS Platform
- Scripts were scheduled for every 4-6 hours
- The Data was checked and found to be usable by other teams.
- The Issues faced
  - Load on core systems
  - Prone to errors
  - Difficult in managing and supporting
  - Security issues
  - Maintaining data consistency
- POC taught us what are our critical needs.



## Replication Requirements

- A holistic heterogeneous replication solution
- A non reliance on a footprint by vendor specific tools
- Peer to peer replication
- A near real time replication tool
- Light to medium ETL capabilities
- Improved network traffic
- An asynchronous replication tool
- Event detection and auditing capabilities





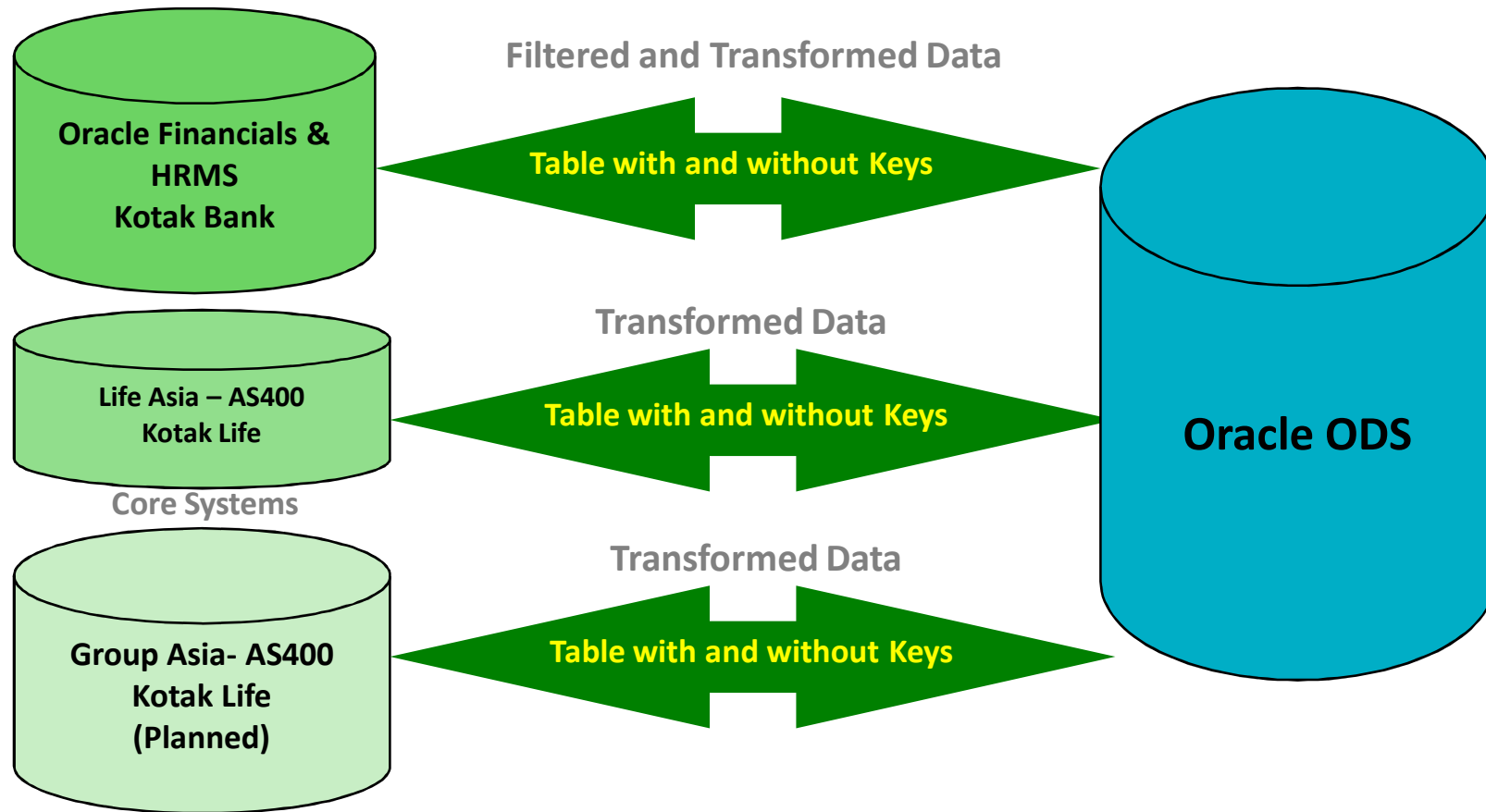
## Why InfoSphere CDC?

- **Platform**
  - Supports both DB2 and Oracle
- **Administration**
  - Single Point Centralized Administration
- **Unique Features**
  - Allows for light to medium ETL capabilities
  - Supports Tables without Unique or Primary Keys
- **Performance**
  - Very less Load on Source Systems
  - Allows Asynchronous Replication and Full refresh if required.
  - High Performance due to No Triggers, Double inserts etc.



# Kotak Deployments

In a different location and network across firewalls



## Achievements till date

- **Reduce load on core systems**
  - 30% reduction of load due to offloading report processing work
  - Only filtered data to target systems
- **Lower cost**
  - Less reliance on costly resources
  - Reduced manual overhead of maintaining replication
- **Real Time Business Intelligence**
  - Reduced risk of maintaining and operating replication
  - Near real time replication of data across the network
  - ODS from various system feeds and as inputs to other Data Marts
- **Saving Support costs**
  - Monitoring through notifications
  - Reconciliation report automations
  - Security



# Questions??





**Thank You**



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