

IBM INFORMATION INTEGRATION & GOVERNANCE SYMPOSIUM 2012

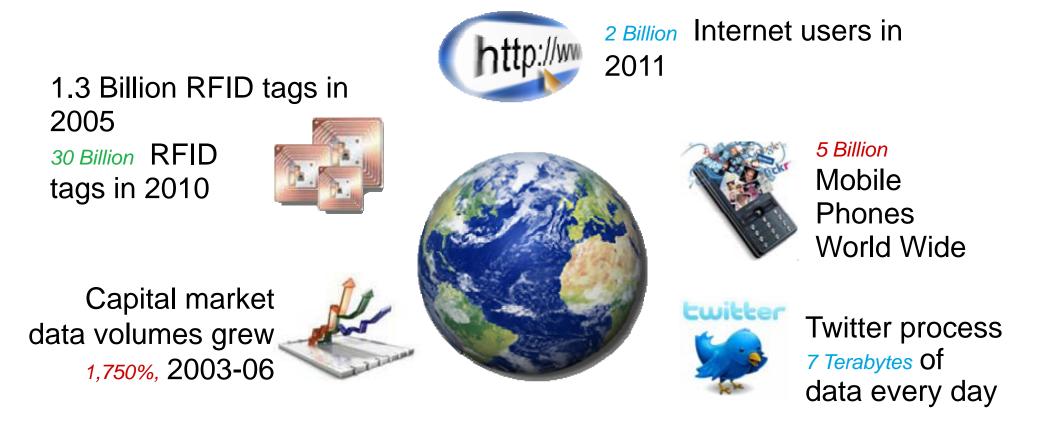
Delivering Trusted Information for Smarter Business Decisions

Improving Customer Experience and Business Performance through Data Warehousing

Darren Silvester – Chief Architect – Three UK 05/01/2012

The Business Challenge - an explosion of data







World Data Centre for Climate

- 220 Terabytes of Web data
- 9 Petabytes of additional data

facebook

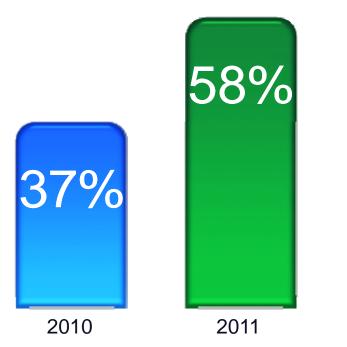
Facebook process 10 Terabytes Of data every day



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Analytics create a competitive advantage and the $g\overline{a}\overline{p}$ is widening

More organizations see analytics as competitive advantage



Percentage of respondents who cited a competitive advantage.

And it is...



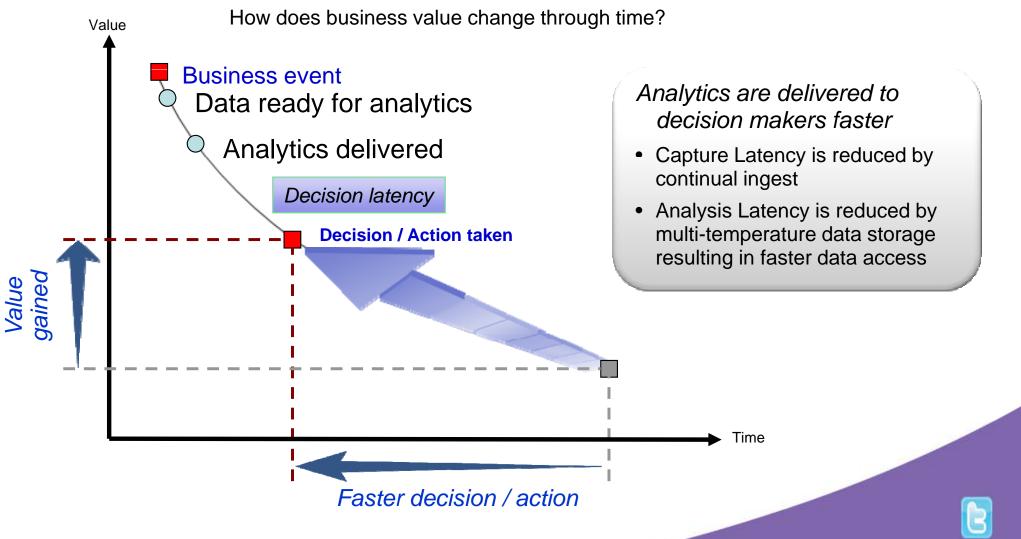


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Real-Time Operational Data Warehousing Reducing Latency improving business value of Warehousing

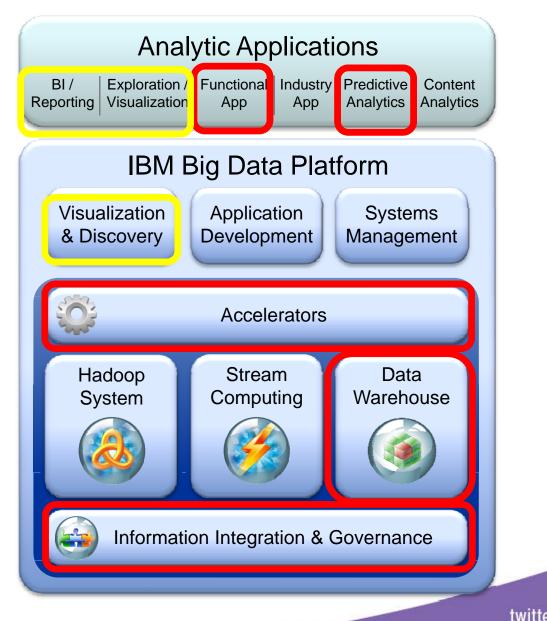
The Time-Value Curve:



* Above diagram adapted from TDWI Best Practices Report - Operational Data Warehousing by Philip Russom, 4Q 2010

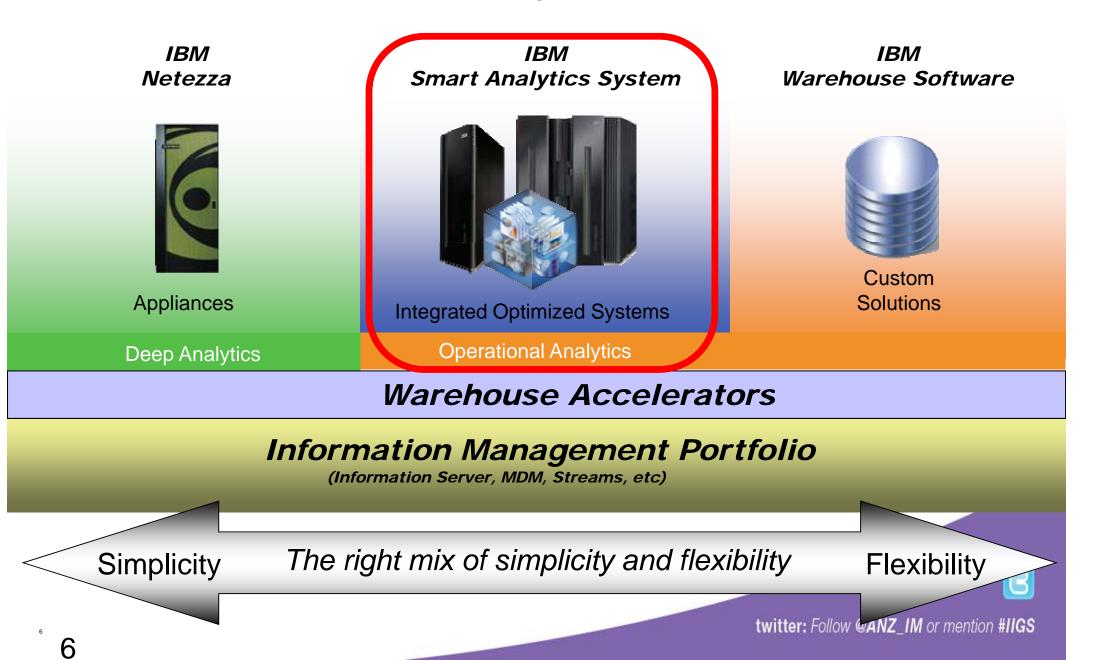
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Simplicity, Flexibility, Choice IBM Data Warehouse & Analytics Solutions



About Three UK

- Three is a communications company focused on bringing the benefits of the internet to mobile communications.
- We offer attractive pricing and give our customers the widest choice of ways to stay connected.
- To do this we've built an award-winning high-speed data network.
- Three UK is a member of the HWL group of companies, which include 3G operations in Austria, Denmark, Hong Kong, Ireland, Italy, Macau and Sweden.
- 44% of the UK's mobile data goes through Three's Network*
- The UK's Fastest Growing Mobile Network**
- * Source: Enders Analysis estimate for 12 months to June 2011
- ** Source: Ofcom's annual Communications Market Report

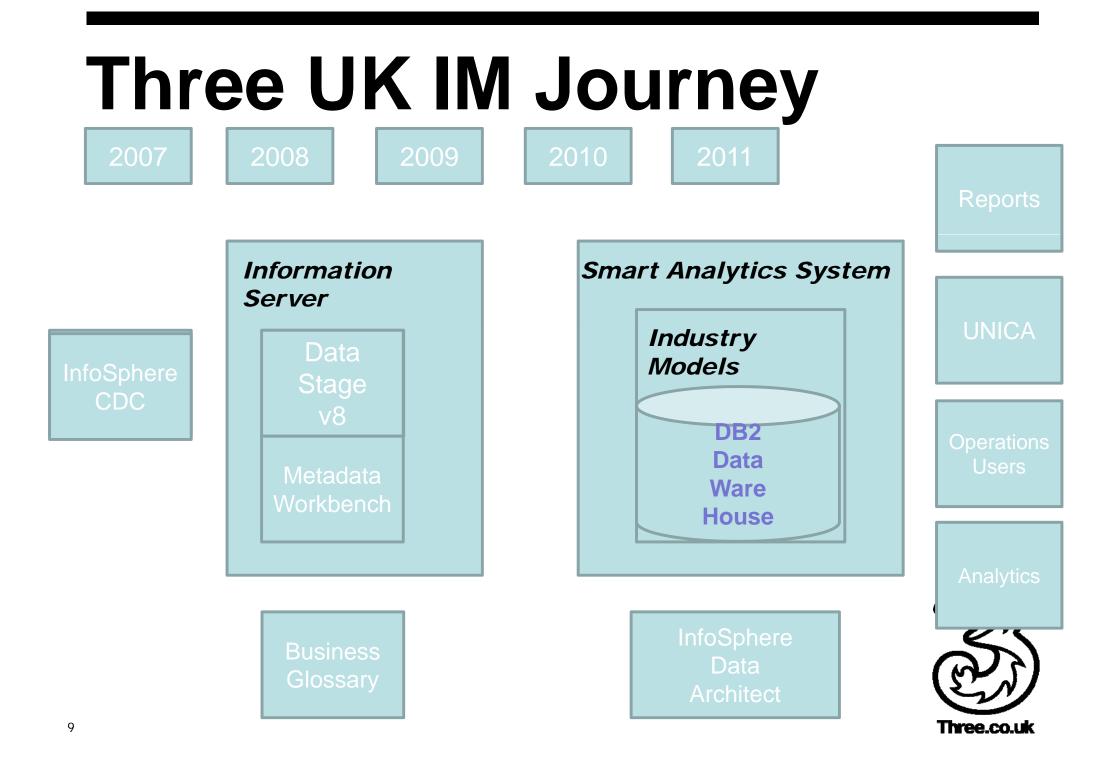
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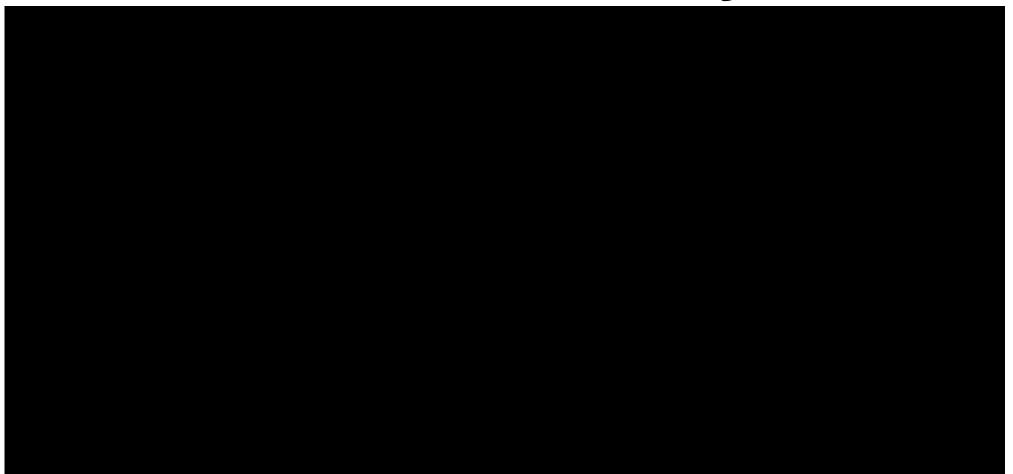
Three UK Awards

- YouGov (leading independent research organisation)
 - No 1 Network for Mobile Broadband for the 6th time (top in 9 out of 11 attributes)
 - No 1 Network for Mobile Internet (top in 6 out of 7 attributes)
 - No 1 Network for Mobile Internet on 3G Tables (top in 8 out of 11 attributes)
- Mobile Today Awards 2011
 - Broadbandgenie.co.uk Best Dongle on the Move Award
- Mobile Industry Awards 2011
 - Best High Street Retailer
 - Best Mobile Broadband





Bringing you an even better network – May 2010



Smarter Analytics Journey

- The Business Challenge
- Requirements
- Our Journey to Smart Analytics
- Smarter Analytics Available
- Smarter Analytics Actions
- ROI and Benefits
- Further Implementations



The Business Challenge

- Building The Best Network Major Programme
- Network Intelligence solution required in 3 months
- Detailed Reporting and Analytics Required
 - Understanding of subscriber network experience
 - Network performance
 - Device performance
 - Subscriber behaviour
- Challenge was set in June 2009



Requirements

- Smart analytics
- Scalable solution
- Solution to support access from Operational systems
- Sustainable Total Cost of Ownership (TCO)
- Flexible solution
- Integration with the InfoSphere stack was a key requirement
- Market Evaluation started in June 2009



Our Journey to Smart Analytics

- IBM Smart Analytics System was selected end June 2009
- From PO to Live in 3 months (Started August)
- New environments (3 Non-production, 1 production)
- Multi-skilled team (3 UK and IBM Professional Services)
- Performance Certificate
- Immediate Business Benefit
- Live October 2009
- Multiple releases since October 2009
- IBM Smart Analytics Platform is the Data Warehousing

Smarter Analytics Available

• Three UK can now

- Understand the network experience (voice and data) by a number of dimensions, e.g
 - By Subscriber
 - By Location
 - By Time of Day
 - By Device
 - By Service being used
- Optimisation of current network
- Subscriber segmentation
- In-life activity and Churn Analysis
- Actionable Insights



Smart Analytics - Actions

- What actions have been taken by the business?
- Operational Issues for Dropped Calls Fixed
- Segmentation Customer vs Behaviour Driven
- Potential Congestion Areas highlighted and upgraded
- 3000 new sites selected based on Network and Customer Experience



ROI and Benefits

- Business benefit delivered during testing
- TCO of new solution far cheaper than upgrading current
- On-database analytics possible
- Many additional business benefits
- Data is available at our fingertips
- Efficient Network rollout targetting high usage sites
- Plans All You Can Eat Data (Unlimited)



Further implementations

- Further data all available on the same platform
 - Subscriber Data
 - Product & Billing Data
 - Interactions History
 - Network Data Services
 - Addition of 3000 additional sites (masts) based on Analytics
- Next Phases
 - Active Data Warehousing
 - Smart Campaigning utilising Unica



Questions?

• Any questions?



Thank you.

