



Big Data & Analytics

Wrestling with a yellow elephant

How to get started on a big data journey

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Tools of the past may not meet current needs...

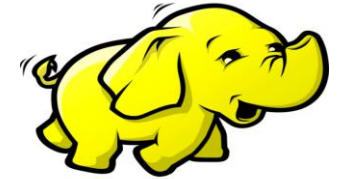


Topics for discussion:

- Business changes driving the need for Big Data & Analytics
- Evolving to a modernised Big Data & Analytics platform
- The transformation roadmap



So, what is this Big Data thing anyway?



- Do you know this character?

Big Data & Analytics



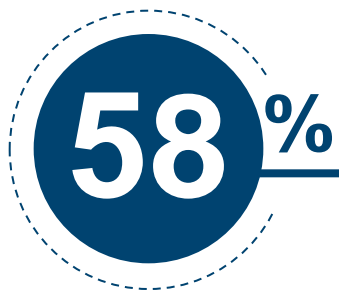
- Mine multiple data sets, apply a range of analytics
- Capture the time-to-value of data
- Embrace cognitive computing

It's all about data,
and about ALL the data



Big Data and Analytics:

The new business imperative



of organisations indicate that analytics creates a **competitive advantage** within their market segments or industries.¹



of line-of-business (LOB) and IT leaders are **planning big data implementations** or already leveraging them.²



of organisations with wide deployment of analytics and business intelligence found that the **benefits met or exceeded expectations**.³

¹ MIT Sloan Management Review in collaboration with IBM Institute for Business Value, *Analytics: The Widening Divide*, David Kiron and others, Fall 2011

² 2013 version of an IBM annual survey of IT and LOB leaders

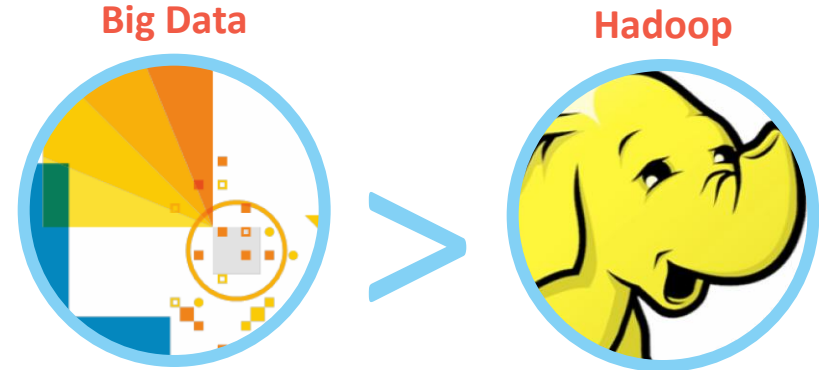
³ IDC and Computerworld, 2013 Business Analytics & Big Data Survey, June 2013



Big Data Myths



- Big Data is primarily about **large datasets**
- We will have to **replace all older systems**
- Older transactional **data does not matter**
- Data warehouses are **a thing of the past**
- Big Data is only for **internet savvy customers**
- We do not have the **need, budget or skills**



“There’s a belief that if you want big data, you need to go out and buy Hadoop and then you’re pretty much set. People shouldn’t get ideas about turning off their relational systems and replacing them with Hadoop.”



Ken Rudin


Head of Analytics at Facebook



The foundation of Big Data & Analytics, and the starting point for an organisation, is the modernisation of the information management landscape.

This is Big Data.

Volume




Data at Scale

Variety




Data in Many Forms

Velocity



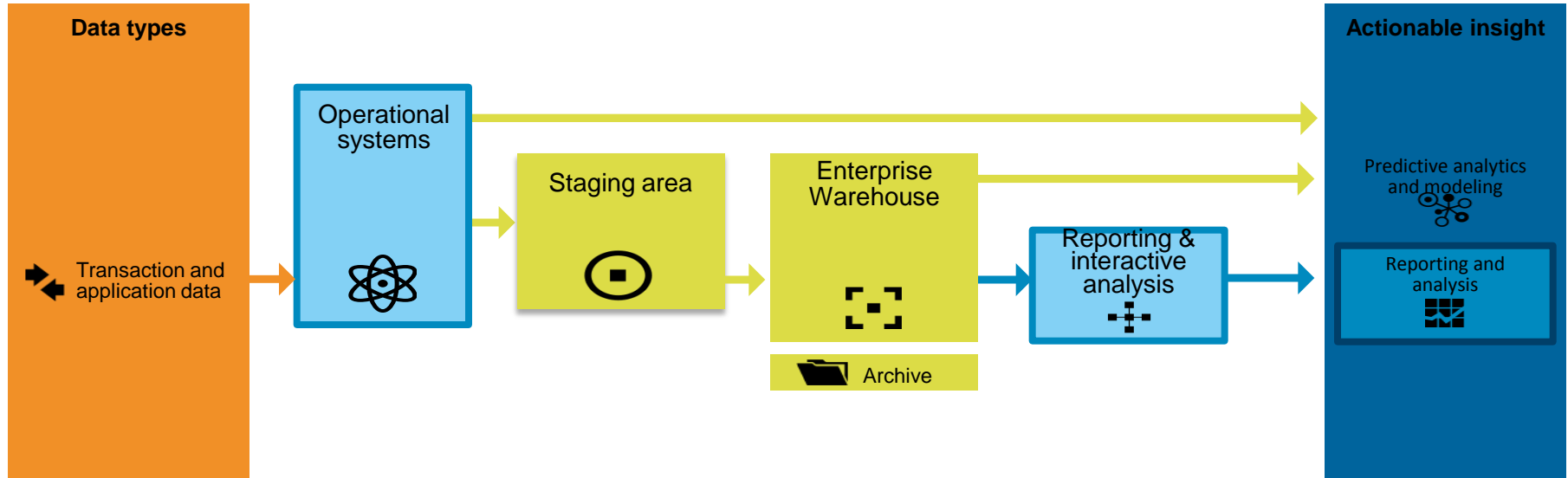
Data in Motion

Veracity

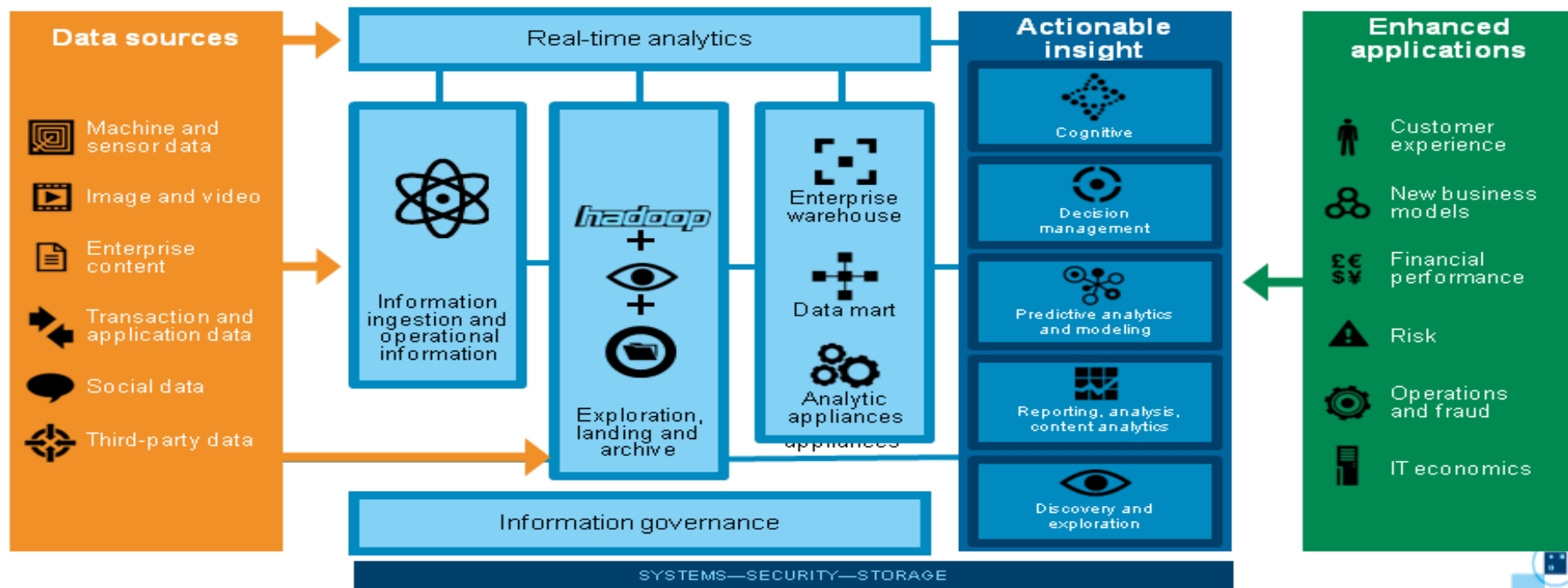


Data Uncertainty

The Information Supply Chain



The Modernised Environment



So, how to get started?

**IT'S DIFFERENT
FOR EVERYBODY**
(but the stages are surprisingly similar)

Building the business transformation



IDENTIFY

high-value opportunities



ESTABLISH

the right architecture for business and IT



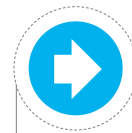
PROVE

value to business leaders through pilot programs



SCALE

by expanding to additional use cases



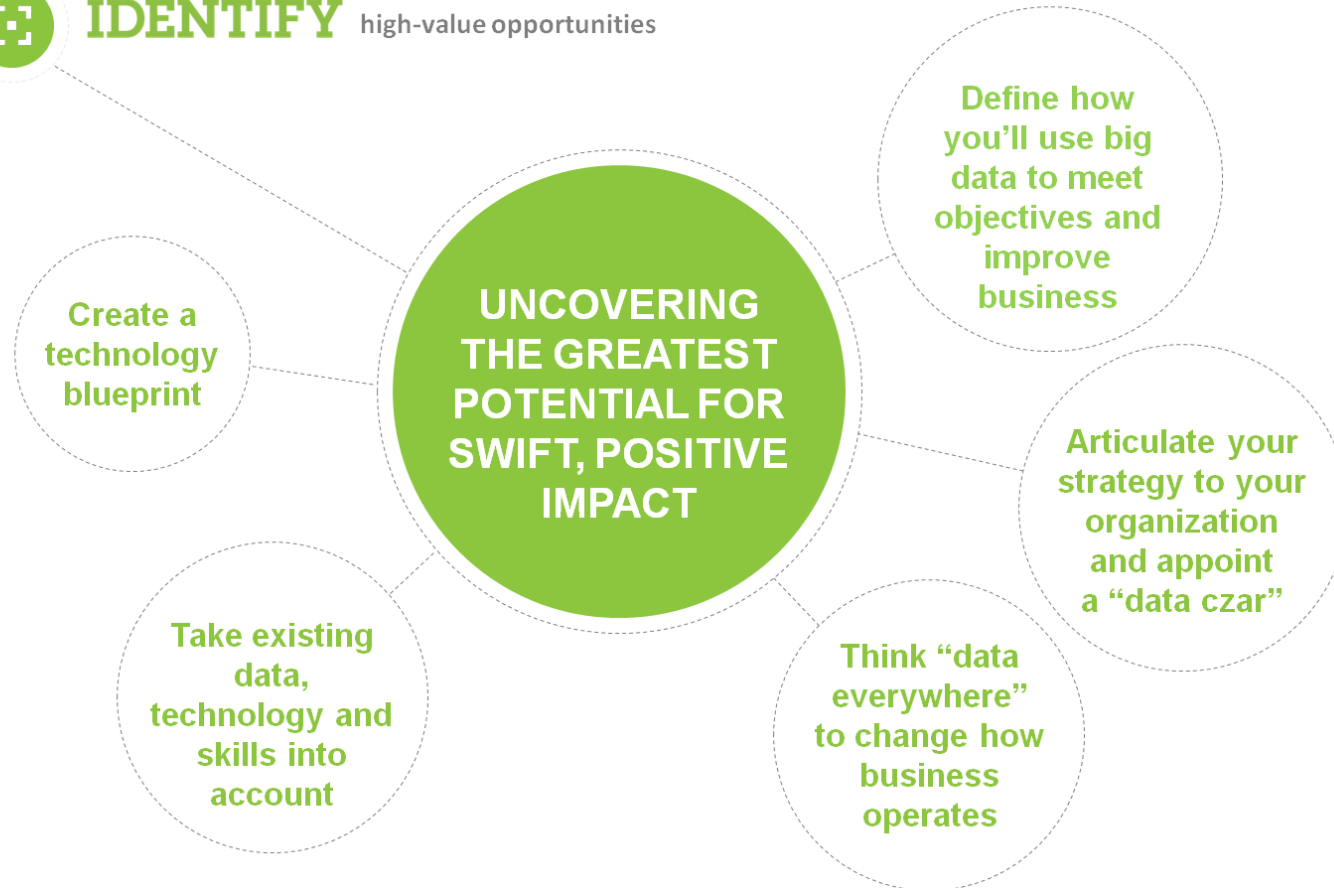
TRANSFORM

to a data-driven culture





IDENTIFY

 high-value opportunities



ESTABLISH the right architecture for business and IT

Develop a clear, goal-oriented technical architecture

Building on ideas, Strategies and technologies

Plan for internal and external function

Tap external expertise

Start with the most pressing need

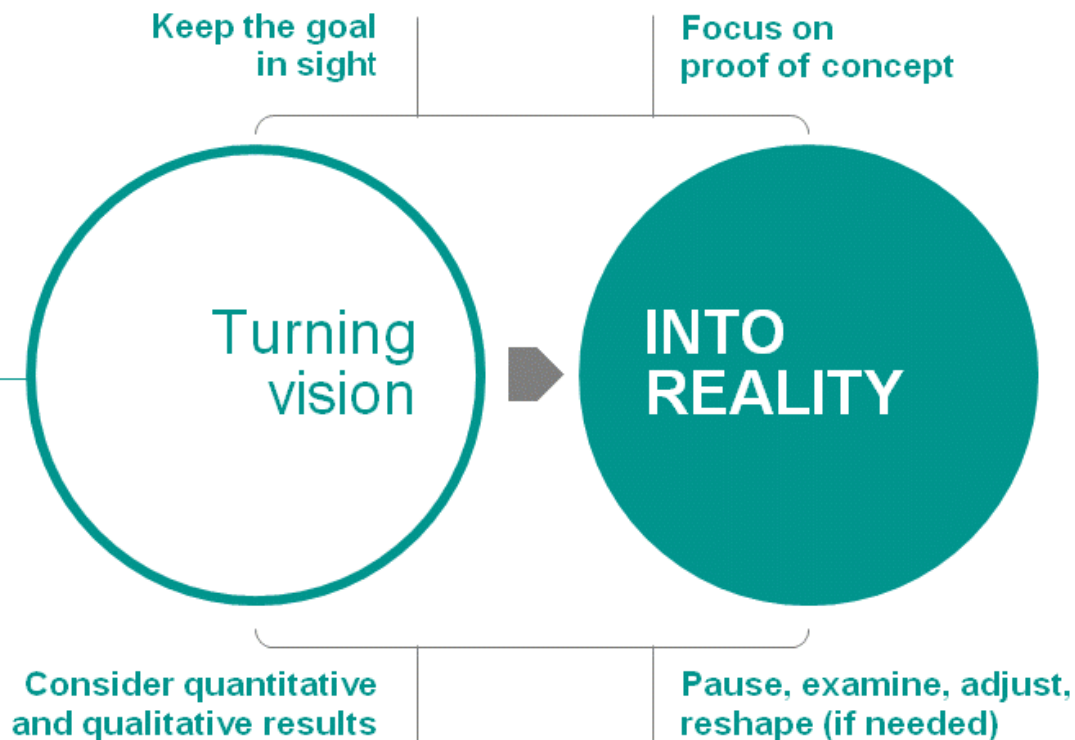
Be scalable and sharable

Gain the support of business and IT





PROVE value to business leaders through pilot programs





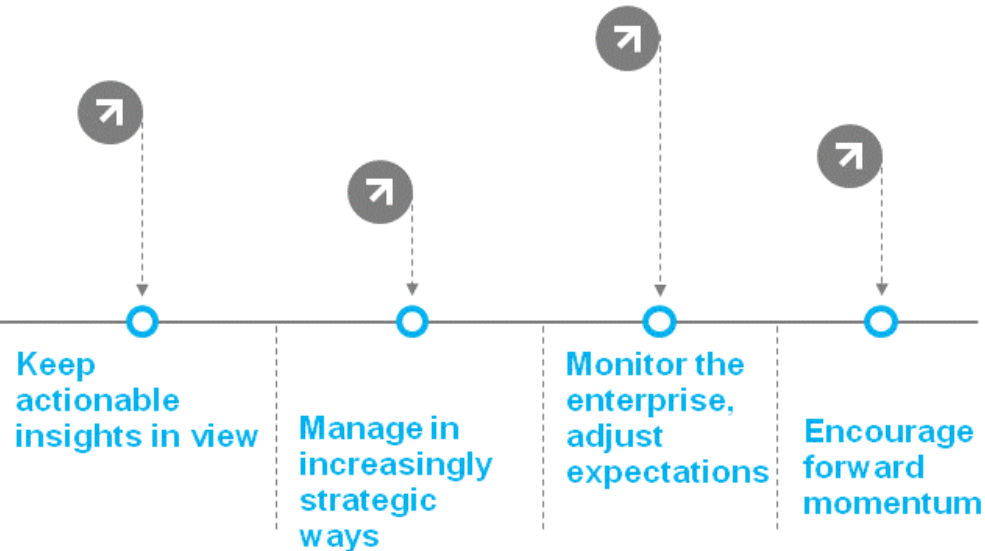
SCALE by expanding to additional use cases



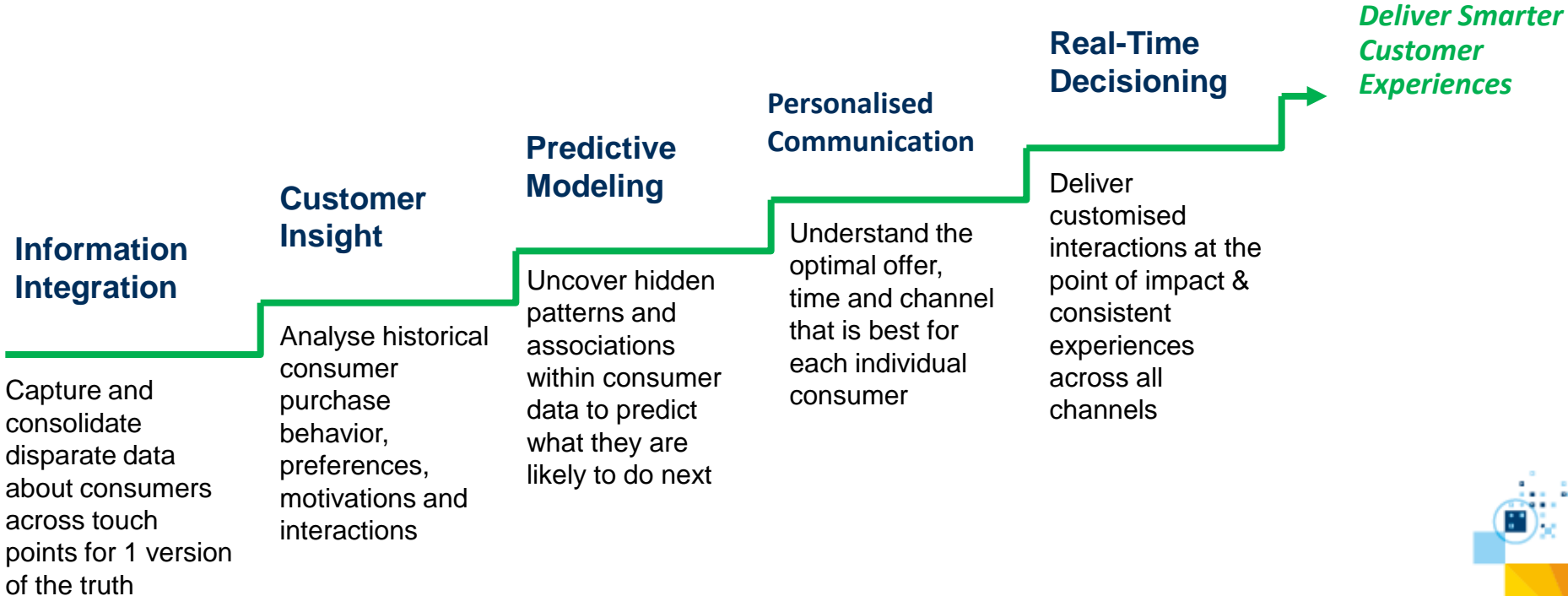


TRANSFORM to a data-driven culture

SEEKING OUT
THE NEXT
OPPORTUNITY



Where do you stand in your customer journey?





Acquire, grow and retain customers

642%

return on investment (ROI) in two months



Optimise operations and reduce fraud

30%

cut in serious crime



Improve IT economics

97%

reduction in response time



Transform financial and management processes

95%

reduction in loan delinquency in one year



Manage risk

USD493 million

in cost savings



Create new business models

300%

increase in potential licensing partners



Heighten the possibilities



**SEE
MORE**



**KNOW
MORE**



**DO
MORE**



Be

the transformation



IBM Big Data & Analytics

A transformation that can change everything

IBM Big Data: ibm.com/bigdata

IBMBigDataHub.com

BigDataUniversity.com



We invite you to continue the conversation

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