

Analytics that drive high impact customer-focused enterprises

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The customer focused enterprise

Motivations for Superior Customer Service

- Effective customer experiences impact the bottom line!
- Happy customers who get their **issue resolved** tell about **4 to 6 people** about their experience.⁴
- Attracting **a new customer costs 5 times as much** as keeping an existing one.⁵
- **86% of consumers quit doing business with a company because of a bad customer experience**, up from 59% 4 years ago.²
- For every customer complaint, there are **26 other customers who have remained silent**.³
- **A dissatisfied consumer will tell between 9 and 15 people** about their experience. About 13% of dissatisfied customers tell more than 20 people.¹



¹ Source: White House Office of Consumer Affairs, Washington, DC

² Source: Harris Interactive, Customer Experience Impact Report

³ Source: Lee Resource Inc

⁴ Source: White House Office of Consumer Affairs, Washington, DC

⁵ Source: Lee Resource Inc.

Leading with customer service is critical to the business

Customer Service across the Business

- Customer Care
- Help Desk/Line
- Product Support
- Telesales
- Inside sales
- Order Desk



Mission Statement

- Develop loyal customers
- Meet and exceed customer expectations and contribute to their success
- Provide timely, accurate and professional service at each and every customer contact

The state of customer service today



Instill confidence in customers

- 76% of customers believe companies lie in advertisements
- Growing trust gap in many consumer focused industries



Adapt how you interact with customers

- Social media changed purchaser influence; opinions viewable instantly
- Mass customization and personalization of products and services



Understand changes in customer expectations

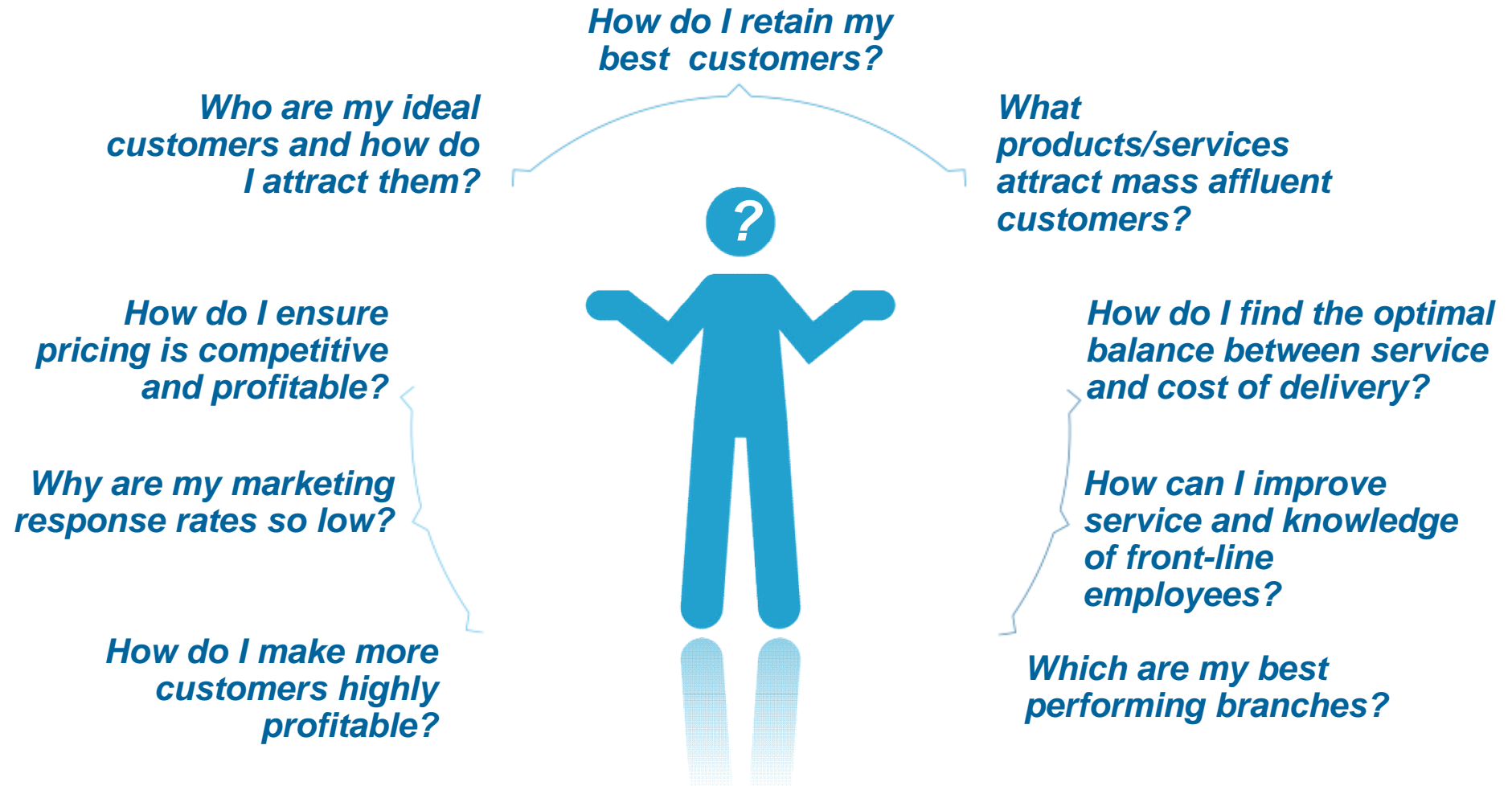
- Focus is on value, transparency and accountability
- Customers want to be seen holistically across the enterprise



Rediscover your customers

- Consumers are experiencing brands in new ways through new channels
- Micro-targeting: the move beyond 1 on 1 is accelerating

Rediscovering Customers



Customer-focused enterprises strive to optimize...

Customer Interactions

- Identify the most profitable customers
- Identify clients most likely to respond with the correct offer, channel, & time
- Improve 1st contact resolution with personalized up-sell & cross-sell offers
- Help detect & mitigate customer issues during interactions
- Uncover emerging patterns in customer behavior
- Deliver targeted retention offers in real time

Operations

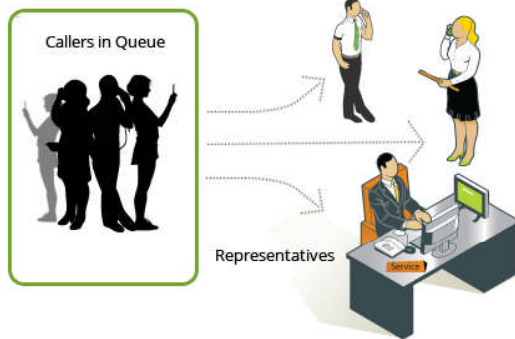
- Measure and report performance & customer KPIs
- Improve agent productivity
- Reduce cost per interaction
- Help customers help themselves by providing routine analytics to customers directly
- Optimize budgets to align with goals
- Ensure investment is delivering the ROI

Looking at the Business of Customer Service

Fundamental Customer Service Tools & Technology

Having the Right People in the Right Place at the Right Time

A call/contact distribution solution



Customer Relationship Management



Historical reporting to measure contact center performance



Real-time traffic monitoring to respond instantly to changing traffic volumes



Broader requirements for success

Access the full spectrum of data required for a 360 degree view of the customer



Leverage the **right data, faster** for more effective customer service



Embed analytics into the fabric of the **agents** day to day activities



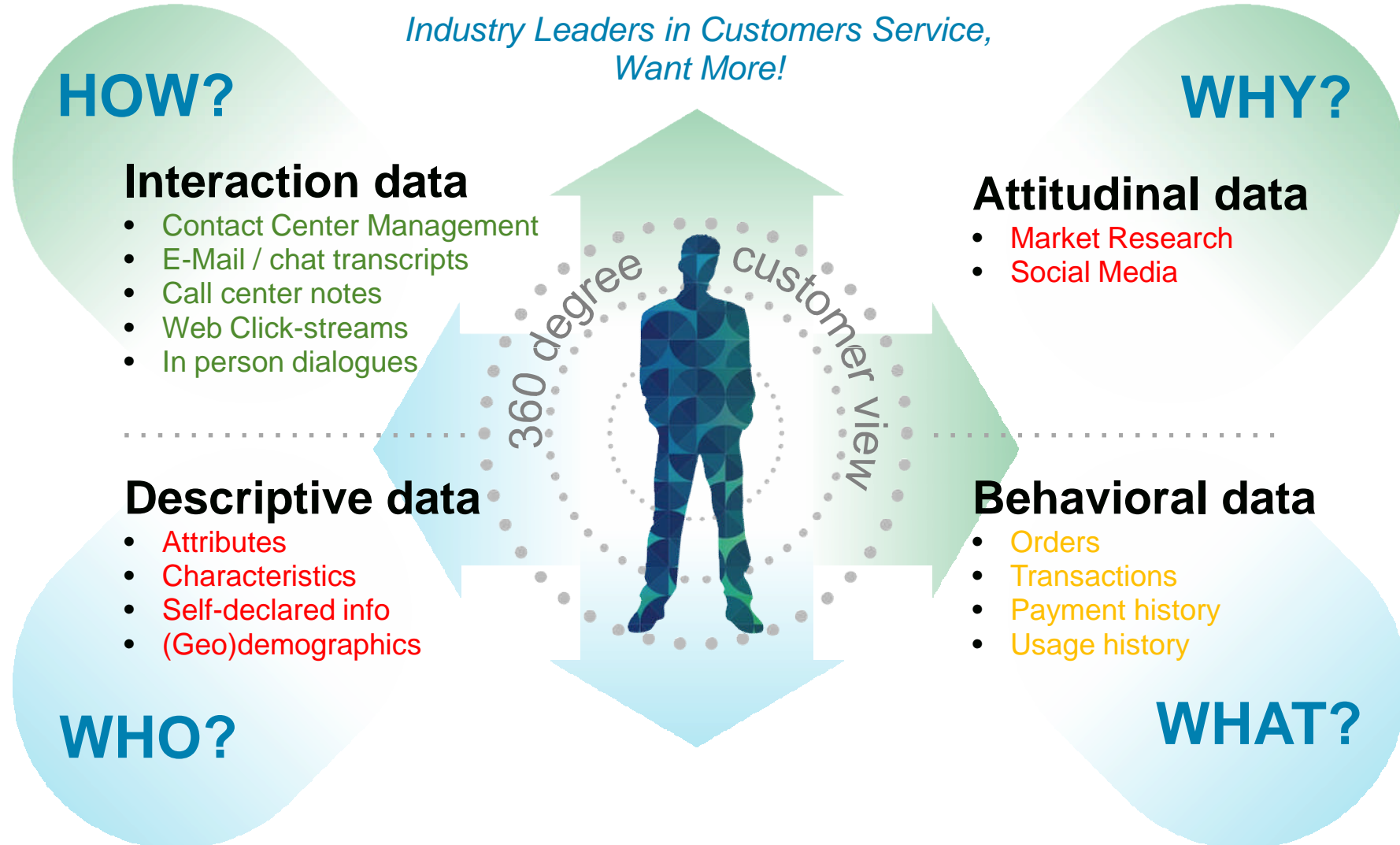
Ensure with **great confidence** the **qualities of service** required in customer service departments at all times



Addressing the broader
customer service requirements
with the right analytics and infrastructure

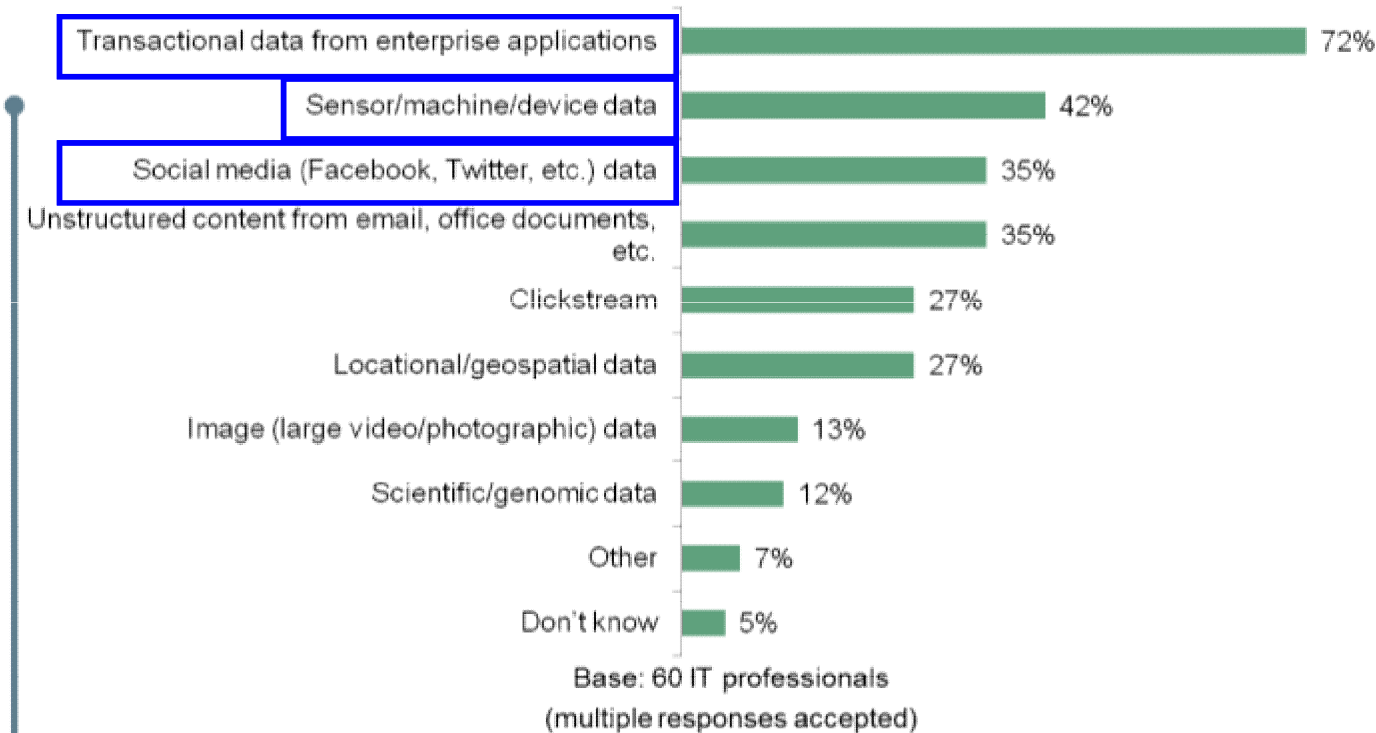
Gaining a 360 degree view to better service customers

Industry Leaders in Customers Service, Want More!



Where are organizations are currently getting the most return out of Big Data Analytics

“What types of data/records are you planning to analyze using big data technologies?”



! Most big data use cases hype its application for analysis of new, raw data from social media, sensors, and web traffic, but we found that firms are being very practical, with early adopters using it to operate on enterprise data they already have.

Source: 2012 IBM Global Big Data Online Survey

Where is data coming into your business?

For many organizations the answer to that question is the IBM System z mainframe



- *25 of the top 25 worldwide banks*
- *23 of the top 25 U.S. retailers*
- *9 of the top 10 global life/health insurance providers*
- *64% of Fortune 500*
- *45% of Fortune 1000*
- *71% of Fortune Global 500*

These organizations benefit from a platform that

- Runs many of the **world's mission critical business applications**
- Renowned **superior qualities of services**
- Touts that an estimated **80% of world's corporate data** resides or originates on its servers

Big Data Analytics on IBM System z

Improves Experience → Increases Adoption → Drives greater insight



Broader requirements for success

Leverage the right data, faster for more effective customer service



Leverage the right data, faster for more effective customer service

Speed up complex query response times
by up to 2000x for improved insight



- Help detect & mitigate customer issues during interactions
- Uncover emerging patterns in customer behavior

Support better, faster, more cost effective analysis and scoring of data as it is coming into the business



- Improve 1st contact resolution with personalized up-sell & cross-sell offers
- Deliver targeted retention offers in real time

Why speed up complex query response times?

The faster you can analyze it, the sooner you can use it!

How would you classify your current employment status?

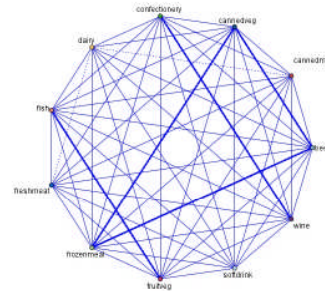
- Full time employed
- Part time employed
- Student/Unemployed
- Household duties
- Retired
- No answer/refused

What is your current marital status?

- Single
- Married/Partner
- Separated
- Divorced
- Widowed
- No answer/refused

Previous Next Stop

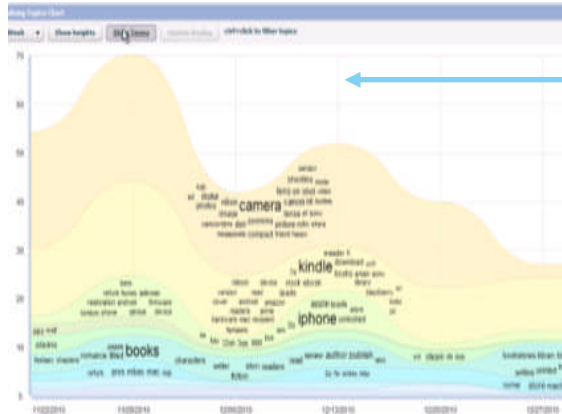
Capture customer preferences through survey research



Uncover patterns in customer behavior through market basket analysis



Target those likely to respond with the correct offer, channel, & time



Personalize up-sell & cross-sell offers with social media data

Value being realized today



“The store employee enters what the customer is purchasing, and with the DB2 Analytics Accelerator appliance, the Cognos BI and SPSS tools **deliver information on complementary products in seconds.**” --A Chief Information officer--



“DB2 Analytics Accelerator **helps over 1,000 business users to get fast access to vital insights** – informing the development of new products, services and strategies to grow the business.”
Daniele Cericola, CIO, Banca Carige

Swiss Mobiliar
Insurance & Pensions

“**Queries that used to take five hours to complete are now processed in just 20 seconds** in the optimized mainframe environment—and we can run them any time, day or night, with **no interruption to our production systems** on the mainframe.”
Thomas Baumann, IT Performance Architect at Swiss Mobiliar

What makes it possible...

▪ IBM DB2 Analytics Accelerator

- A high performance appliance that integrates Netezza technology with zEnterprise technology, to deliver dramatically faster business analytics

▪ What does it do?

- Accelerates complex queries, up to 2000x faster
- Lowers the cost of storing, managing and processing historical data
- Minimizes latency
- Reduces zEnterprise capacity requirements
- Improves security and reduces risk
- Complements existing investments



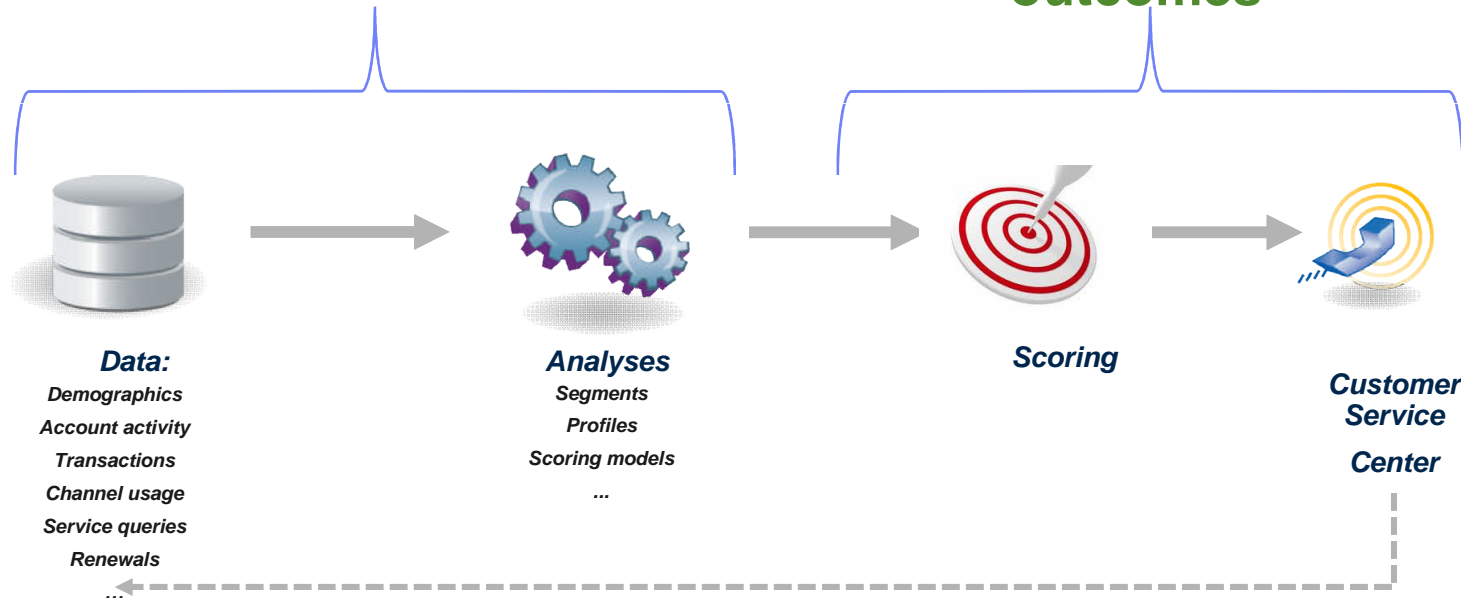
Support better, faster, more cost effective analysis & scoring of data as it is coming into the business

Banking	Monitor credit card usage in real time to proactively detect/prevent fraud
Insurance	Score claims in real time to immediately identify fraudulent claims and identify up-sell opportunities
Retail	Combine today's purchase details, with current market information and historical purchase patterns to determine the best upsell opportunity when they are ready to spend money.
Telco	Combine today's complaint with the current account status and previous behavior to determine best upsell

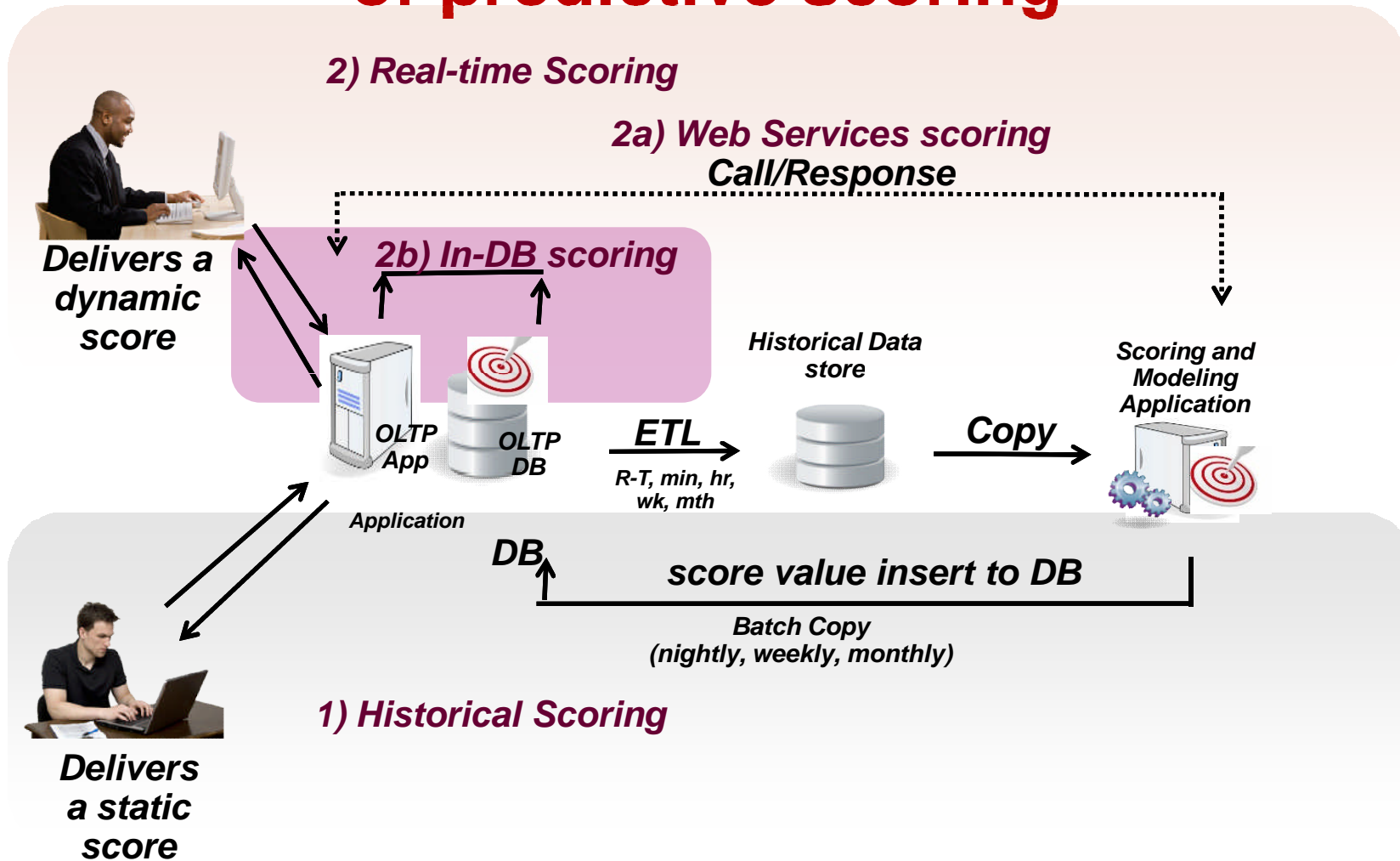
What is Predictive Scoring

Identify **predictive models/patterns** found in historical data

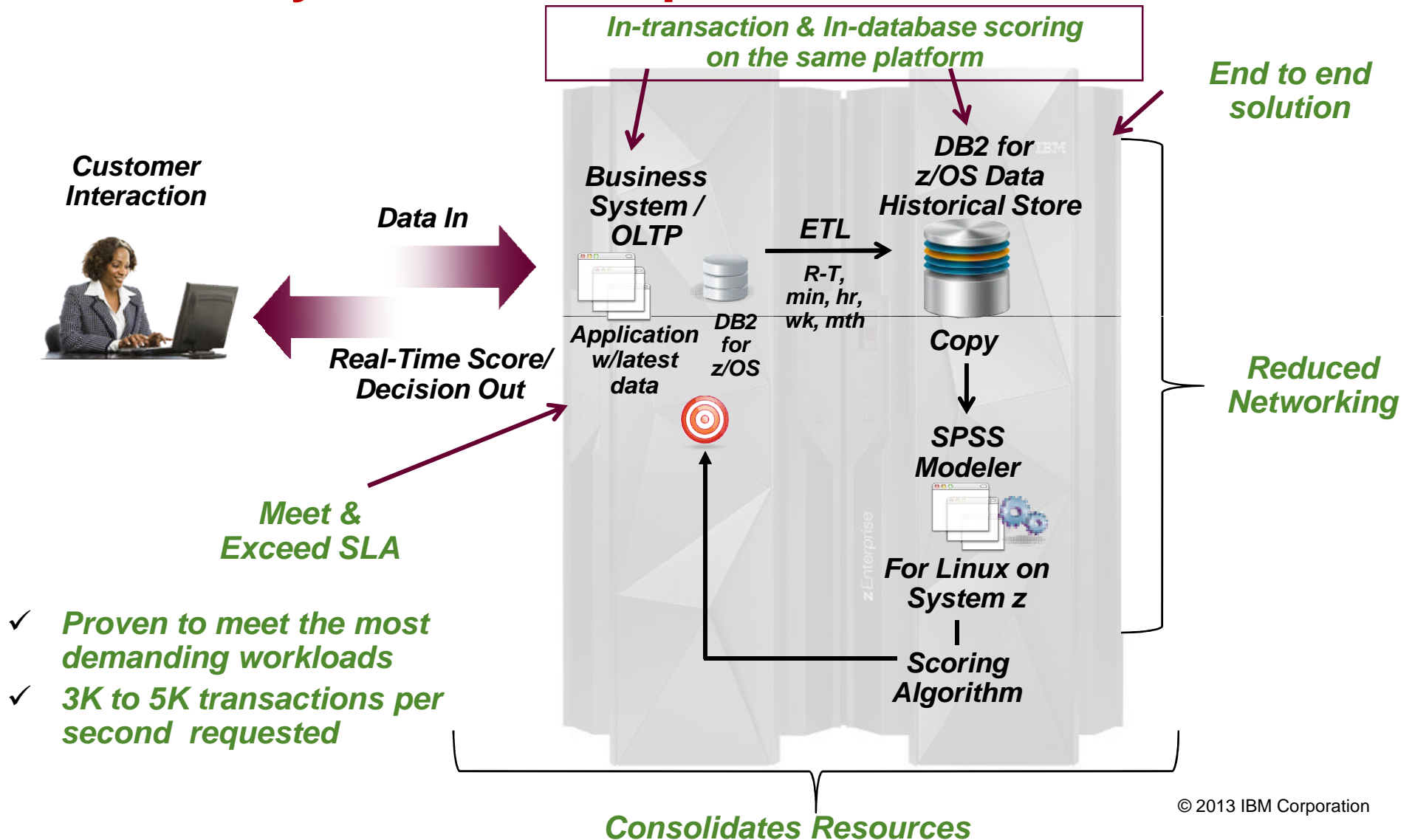
Use those predictive models with variables to score transactions & **identify the best possible future outcomes**



Understanding the fundamentals of predictive scoring



Taking Predictive Scoring to the next level with System z for improved customer service



Broader requirements for success

Embed analytics into the fabric of the agents day to day activities



Why embed analytics into the fabric of the agents day to day activities?

Because it will:

- Improve the ROI
- Improve agent productivity
- Reduce cost per interaction



But it Must be:

- Easy to Use
- Integrate into Existing Tools
- Optimize Resources

What you need to be successful



Cognos BI for System z Business intelligence

- Understand your current state and your potential state
- Monitor results and fine-tune your business
- Inform strategy with a view into the future



SPSS for System z Predictive analytics

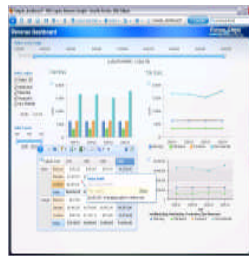
- Predict customer segment and category affinity
- Market Basket Analysis to identify the next best offer for the customer
- Overlay browsing history onto purchase history to profile customers



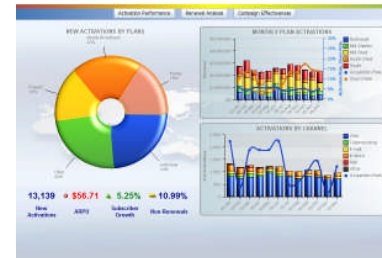
TM1 for System z Performance management

- Reporting, analysis, operational & financial planning and consolidation.
- Product profitability solutions across customers, business lines and channels
- Sales Performance Management to improve pay-for-performance programs and efficiency in incentive compensation processes

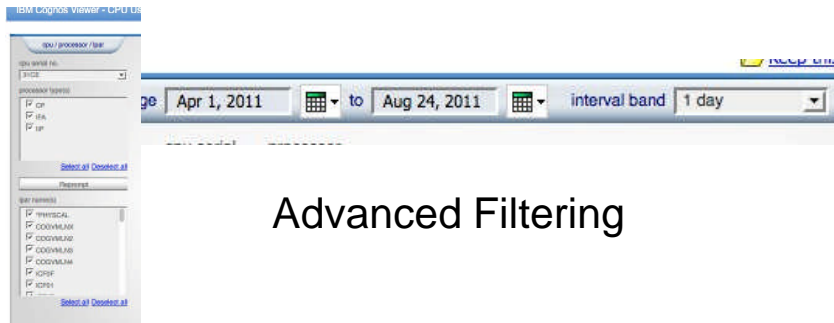
Easy to use...



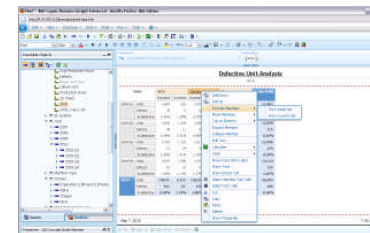
A workspace with greater power, intuitive navigation & cleaner look



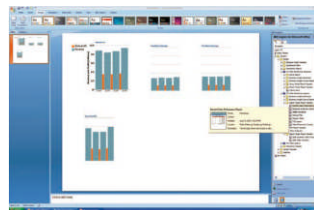
Pixel perfect reporting



Advanced Filtering



Seamlessly shift to more advanced analysis interaction



Communicate your analysis using Microsoft Office



Analytics on the go with Mobile devices and disconnected interaction

Integrates into existing tools...

Analytics integrated in the agents desktop, to improve agent productivity.



Before...

After...



Optimizes Resources...



Agents	Costs	Time
<ul style="list-style-type: none">• Scales to support offloading routine analytics to customers and partners	<ul style="list-style-type: none">• Reduces the hardware and software investment required to leverage analytics	<ul style="list-style-type: none">• Reduces the time to execute on new or growing analytics initiatives

Broader requirements for success

Ensure with great confidence the qualities of service required in customer service departments at all times



High impact customer service organizations demand an always on environment

Getting at the insight they need demands low latency, high qualities of service and performance

- Infrastructure must be scalable, available and reliable
- Data governance and security must be effective
- Analytics must be timely and accurate



Extend the same QoS to analytics that you rely on for transactional systems



System z proven QoS deliver on business critical analytics

- High security (EAL5+)
- High availability (99.999%)
- Performance at 100% capacity
- Prioritization of critical queries & workloads
- Integrated disaster recovery

Supporting a high impact, customer focused enterprise with IBM System z Analytics

IBM zEnterprise offers distinct analytic advantages that are very difficult to replicate on any other hardware

- ✓ Easily and efficiently **integrate social data & operational data**
- ✓ Give the business faster, more direct access to the data as it is coming into the business to drive **real time analytic insights and decision making**
- ✓ Extend the same **proven qualities of service** that you depend upon today for your transactional environments to your business critical analytic processes
- ✓ Run transactional and analytic processing in a single environment with **minimal to no impact on transactional workloads and expense**

Where do you go from here?

If you're in customer service:

- Do you have the insight you need when you need?
- Do you have access to data as it is coming into the business?
- Can your technology support you in the 24x7, on demand customer service workforce you work in?

If you're in IT:

- Can you give your customer service teams access to data as it is coming into your business?
- Are your customer service teams able to fully exploit analytics for competitive advantage?
- Are you able to deliver business critical analytics effectively and cost competitively?

Learn more!

- [Visit the zAnalytics Website](#)
- [Join the Analytics Networking Community](#)



