



Ajay Bhaga

- Technology Lead
- 40+ Unica Engagements across 25+ customers
- 9 years of Enterprise Marketing
 Management (EMM) Experience:
 - Senior Architect
 - EMM Technology Road Map Specialist
 - Agile development team lead for EMM customizations and add-on solutions



Client Spectrum

- Founded in 2005
- Specialize in IBM®, Adobe® and SAS® Enterprise Marketing Management (EMM) Solutions
- 50+ full-time IBM®, Adobe® and SAS® EMM consultants (350,000+ service hours)
- Offices in Montreal, Toronto, and Calgary



Agenda

- 1. Webinar Objectives
- 2. Common Questions by IBM Campaign & Interact customers
- 3. Unstructured Data Marketing Opportunities
- 4. Common Misconceptions
 - Relational Database vs. Hadoop + Big Data
- 5. Use Case
 - Mapping IBM Campaign & IBM Interact to Hadoop + Big Data



Webinar Objectives

Today's Webinar

- Understand marketing opportunities for Big Data and Hadoop with your existing investment in IBM Campaign and/or IBM Interact.
- Demystify common Hadoop + Big Data related misconceptions.
- Mapping Hadoop related technologies to a financial industry use case for IBM Campaign and IBM Interact customers.

Webinar Objectives (Upcoming)

Upcoming IT Focused Webinar

- Hadoop: Under the Hood architecture review and technical detail.
- Comparison of Hadoop + Big Data ecosystem & concepts.
 - (e.g. Hbase, Hive, MapReduce, Spark, Kafka, etc.)



Common Hadoop-related Questions for IBM Campaign & Interact Customers:

What types of new marketing campaigns does Hadoop + Big Data enable?

How are my industry peers using Hadoop + Big Data with IBM Campaign and IBM Interact?

What's the difference between a Traditional Relational Database Data and Hadoop + Big Data?

What has changed?

What Has Changed?

Scrictured Data Ability to Ability to provide highly predictive cost effectively exploit and interactive customer marketing opportunities experiences with very using unstructured data high-volumes of data in (near-)real-time

What Has Changed?

School Data Ability to cost effectively exploit marketing opportunities using unstructured data

Ability to provide highly predictive and interactive customer experiences with very high-volumes of data in (near-)real-time



Unstructured Data Examples for Retail

Shopping Cart

Basket analysis and product recommendations, shopping cart abandonment campaigns

Geolocation history

Detect customer shopping in competitor store and provide incentives for win-back

Clickstream & web body language

Cross-sell based on interests, engagement level and explicit search terms to next best product category

Unstructured Data Examples for Finance

Online tools (e.g. "mortgage calculator")

Detection of high-engagement customers and nurturing with retargeting campaigns

Absence of employer direct deposit

Detection of attrition risk. Incorporate into customer churn and retention strategies

Unstructured Data Examples for Health

Internet of Things

Confirmation of engagement with wellness program for insurer via Fitbit wearables & scale data

Service provider handwritten notes

Risk calculation and insurance premium adjustments

Prescription refill history

Risk calculation and insurance premium adjustments based on non-adherence

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Unstructured Data Examples for Travel/Loyalty

Survey Results

Determine Net Promoter Score over time and apply nurturing campaigns

Social media activity

Detection of brand advocates vs. risks for sentiment analysis

Facebook postings in affluent customer groups

Allow for offering of more appropriate products to customers (e.g. premium products to premium customers)

Unstructured Data Examples for Insurance

Video content & viewing statistics

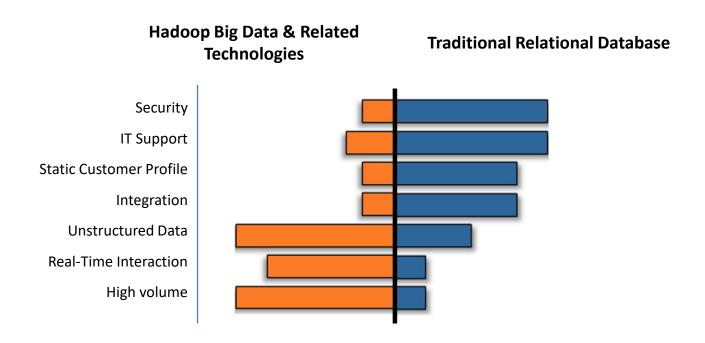
Detection of high-engagement customers and nurturing with retargeting campaigns. E.g. watched full educational video on life insurance product

Inbound call center recordings

Assess customer mood and apply retention or win-back strategies. For example, customer who is upset during their first claim experience



Big Data vs. Relational Database



Examples of challenging questions for Hadoop

"Does the customer have a credit card?"

"Can I market to this customer?"

"I see the customer has two debits and one credit on their account. What is the customer's current balance?"

"Should I send my communication in English, French or Spanish?"

"What products or services does this customer currently have with us?"

Schema "On Read" vs. Schema "On Write"

Relational Database

- Schema "On Write"
- Rules, constraints & cleansing done by DBAs and modelers

Hadoop + Big Data

- Schema "On Read"
- Rules, constrains & cleansing done by diverse users

What Has Changed?

Ability to cost effectively exploit marketing opportunities using unstructured data

Ability to provide highly predictive and interactive customer experiences with very high-volumes of data in (near-)real-time

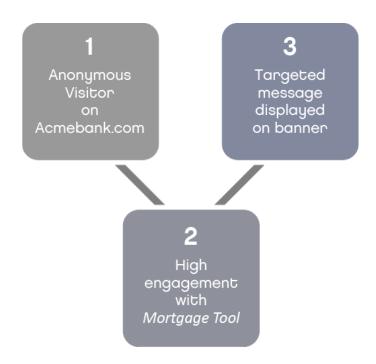
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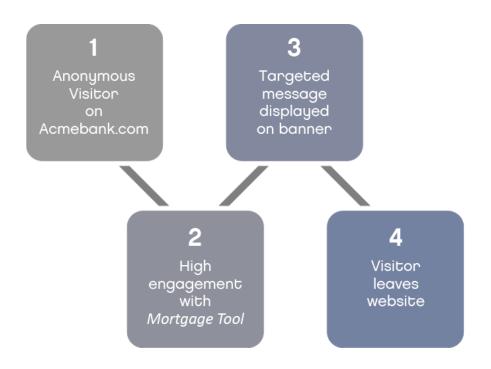


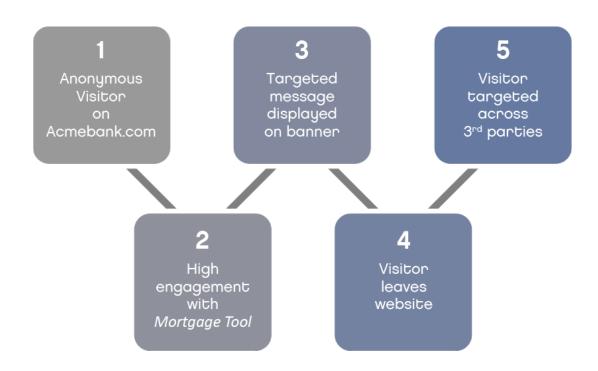
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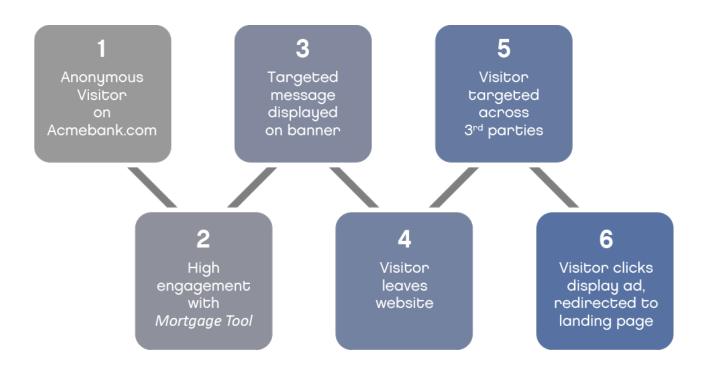
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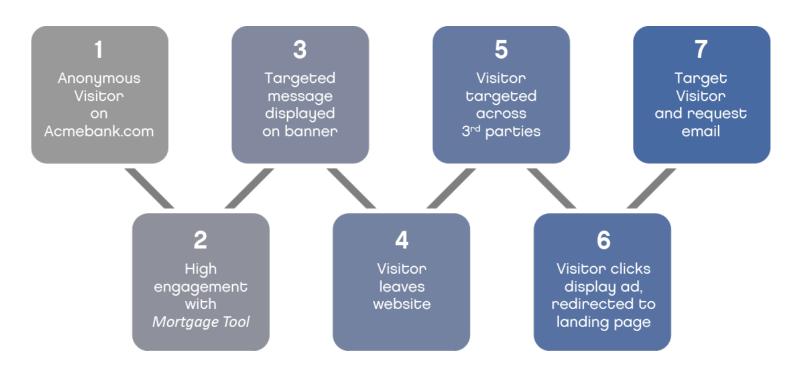
Anonymous Visitor Acmebank.com High engagement with Mortgage Tool

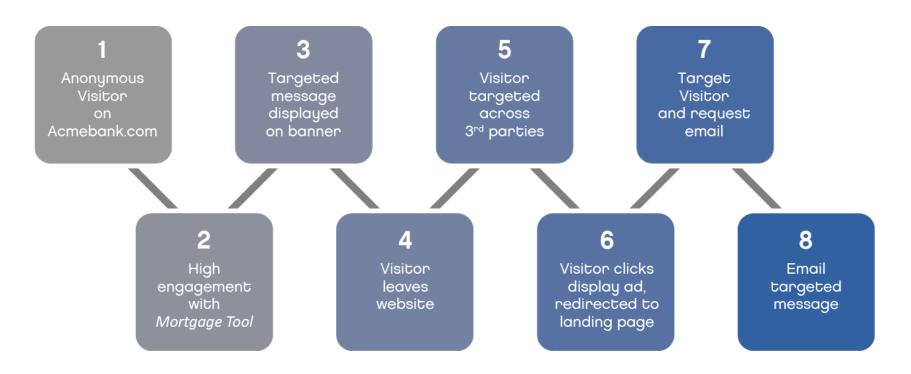


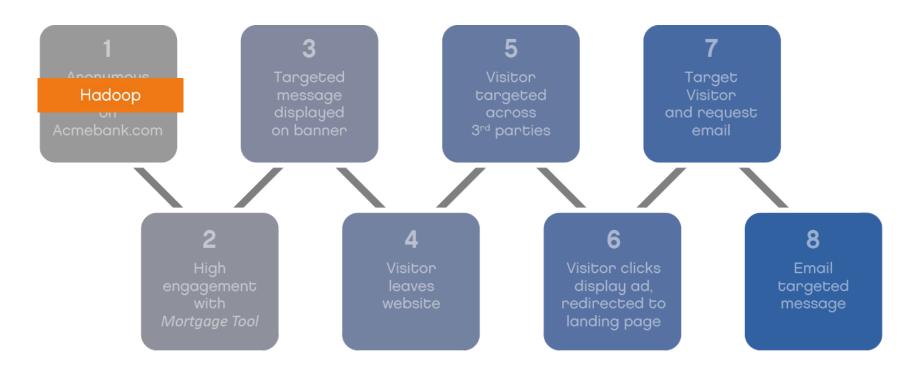


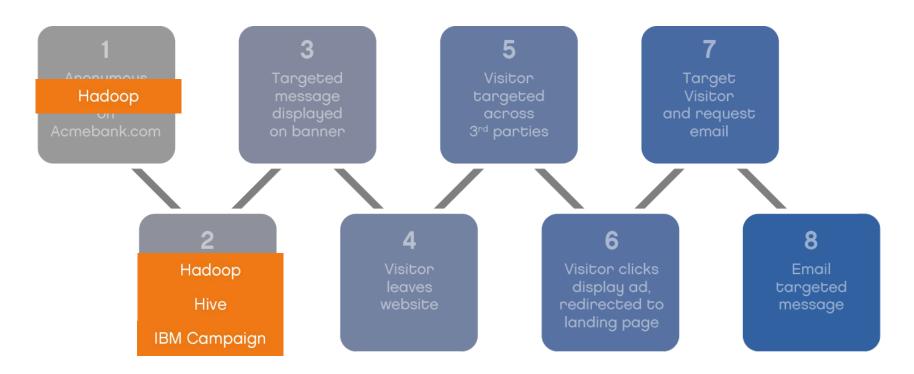


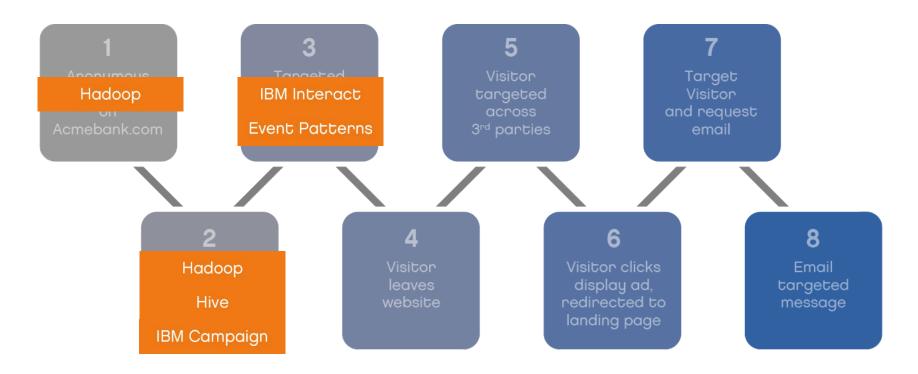


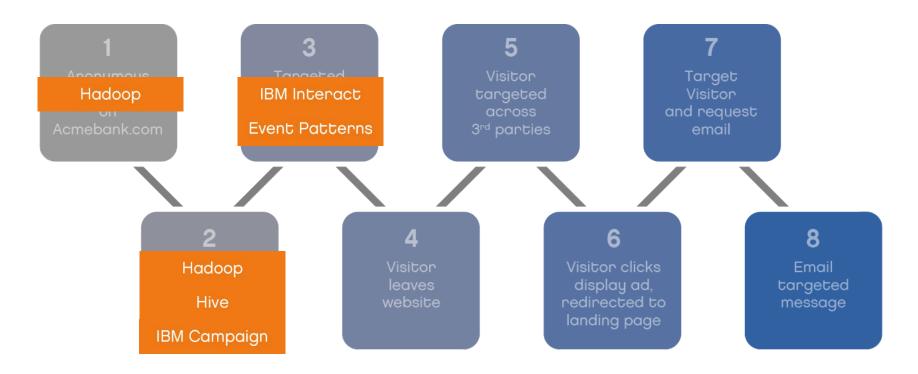


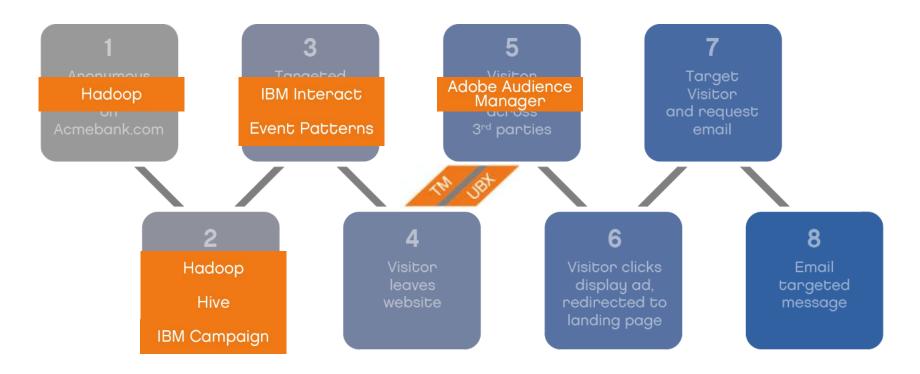


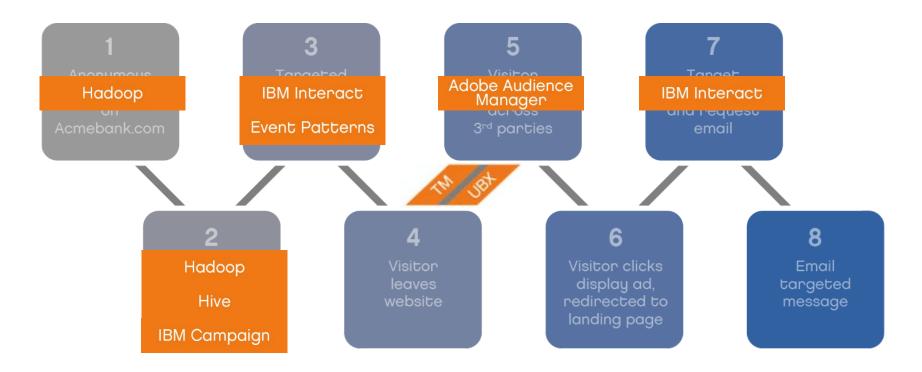




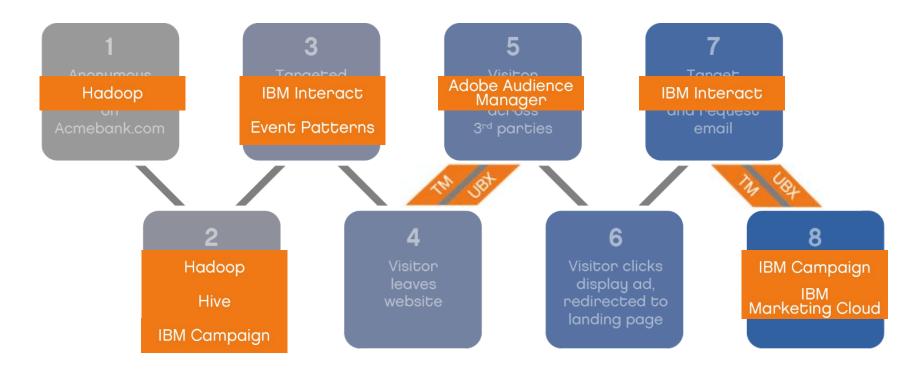


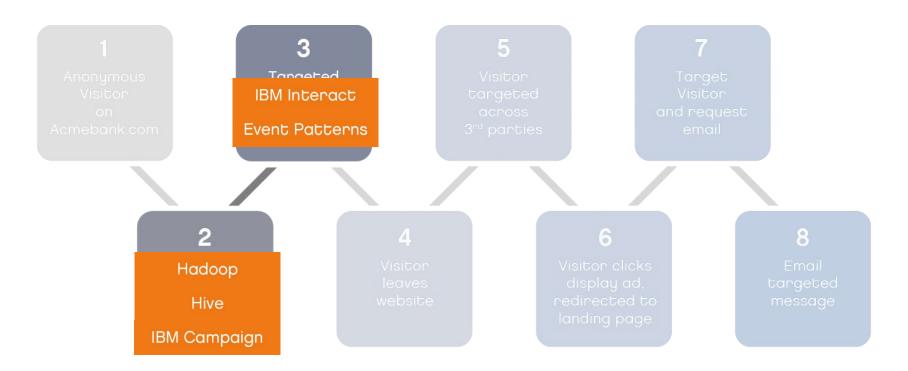




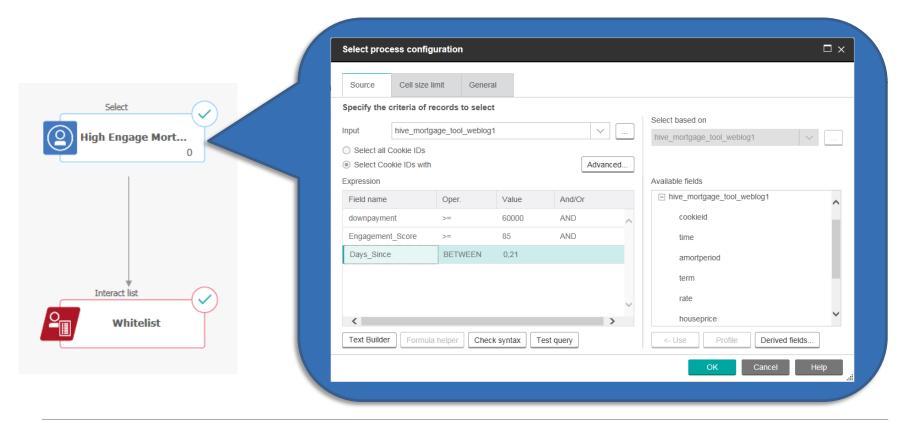


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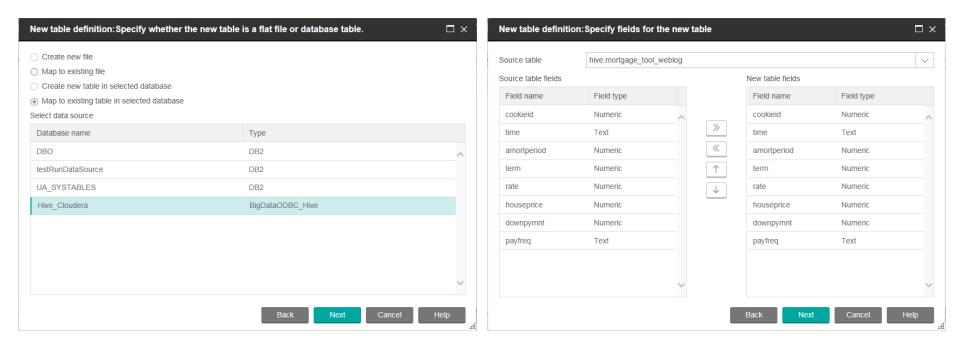




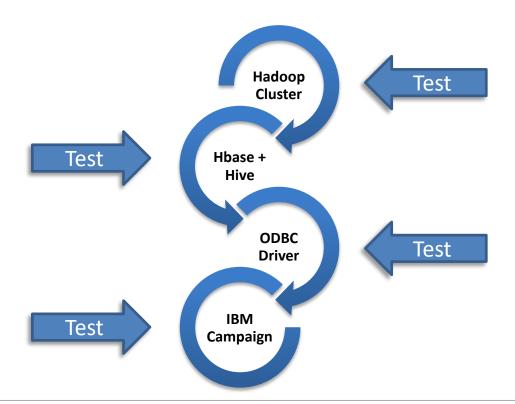
IBM Campaign Integration with Hadoop/Hive



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Troubleshooting Hadoop / IBM Campaign





Further Questions

- We will be providing a follow up email
- We will be making a recording available
- Meet us at IBM Amplify in Las Vegas (March 20 -22)
- For additional questions, email us at: sales@munvo.com