



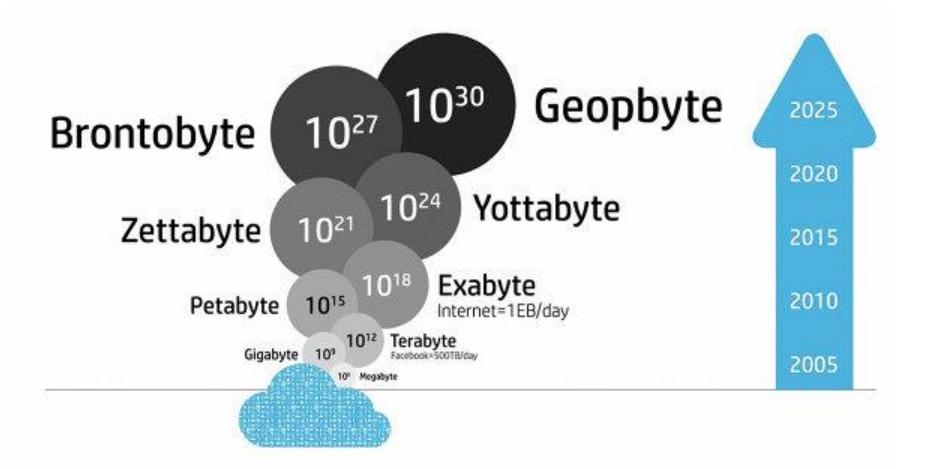


The era of micro applications is on the rise, Realtime Business Decisions and actions are of paramount importance. Time to react to market demand is key to any organisation. Any system that delivers the ability to integrate micro applications rapidly will have a clear advantage. Integrating with existing systems is best done with API gateways which means if a change happens on one side of an organisation only the gateway needs to be adapted rather than having to update thousands or millions of devices.



### How big is Big Data

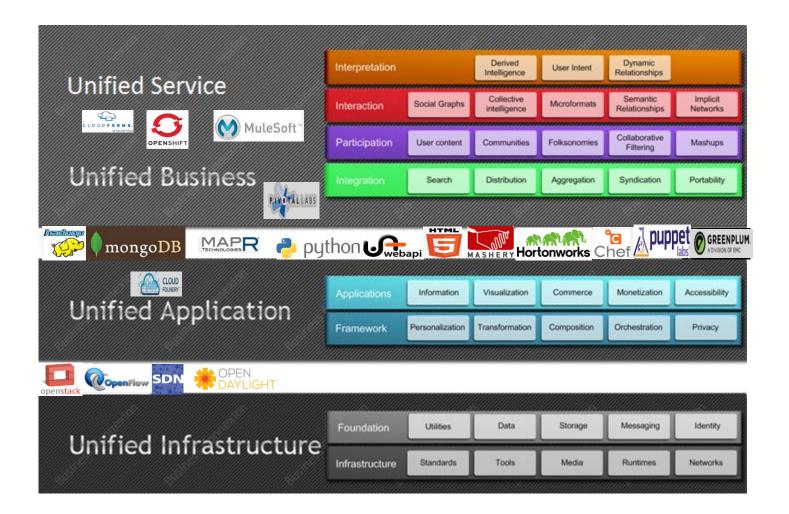








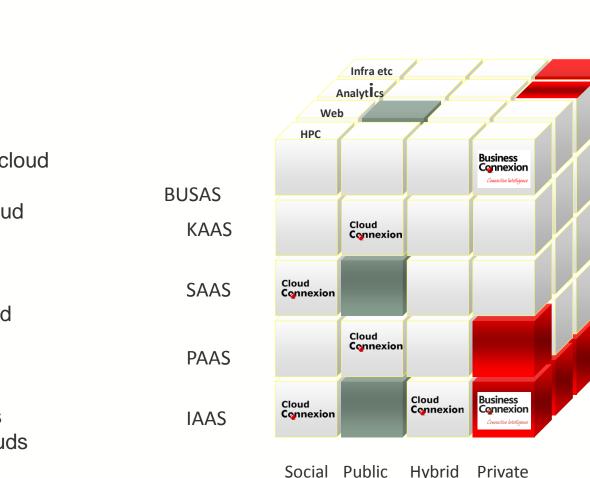
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Business Connexion

Connective Intelligence"



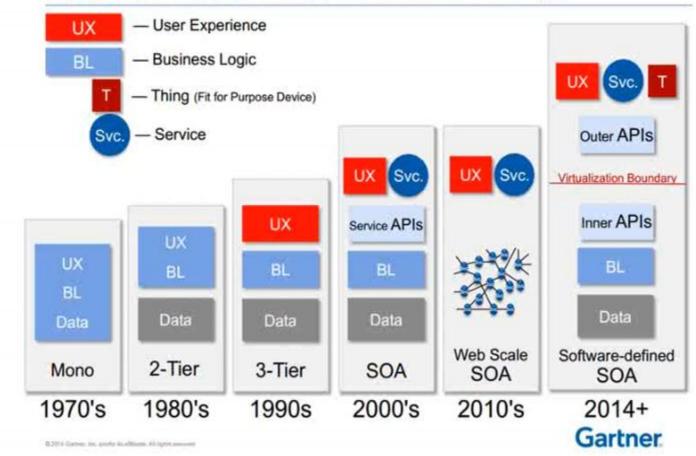
Private Cloud **Public Cloud** Social Cloud Hybrid Cloud Media Cloud Industrial Cloud Instrumentation cloud Personal Cloud **Government Cloud** Space Cloud Network Cloud Service Cloud Aggregator Cloud Military Cloud **Forensic Cloud** Hacker Cloud **Financial Clouds Educational Clouds** 

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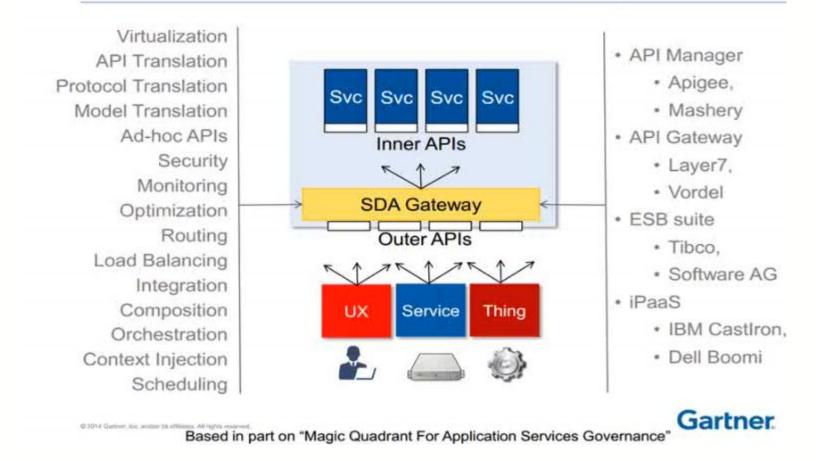
### Software-defined Applications on the Application Architecture Road Map







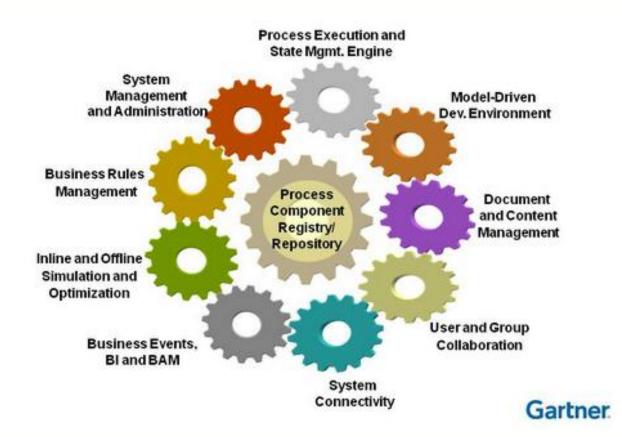
### Step Up to Digital Business: Software-defined Architecture for Applications







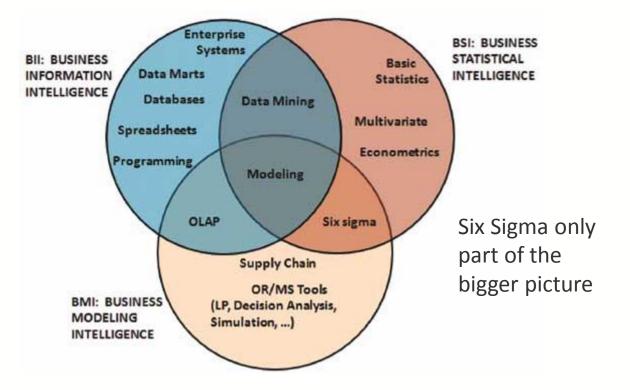
### **BPM** is an **EcoSystem**





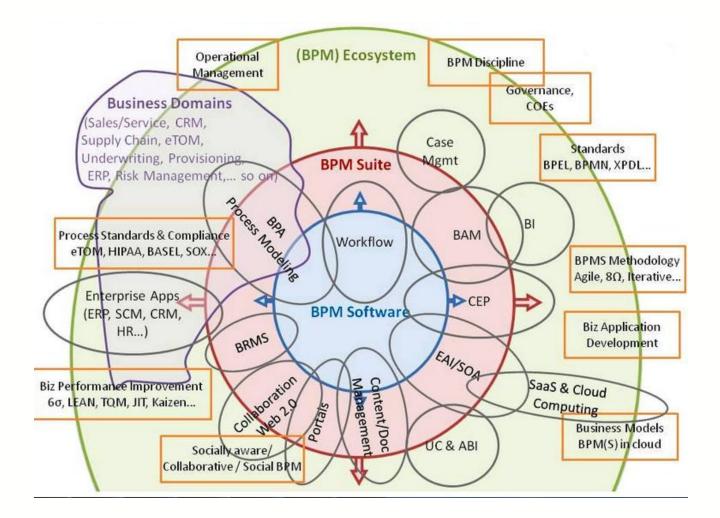


### **Business Intelligence** has been an Internal Focus





### **Process Convergence**



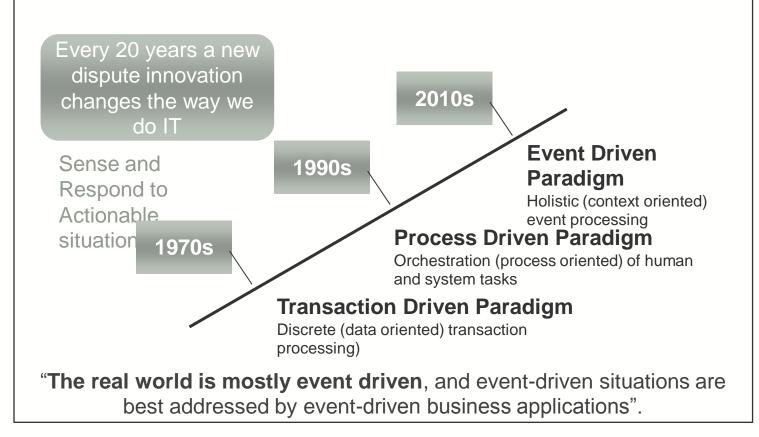




### **Unified Business**



### **Business Event Processing**



#### Social Media reflects Events faster than Traditional Business Systems



#### **Business Process Decision Base**

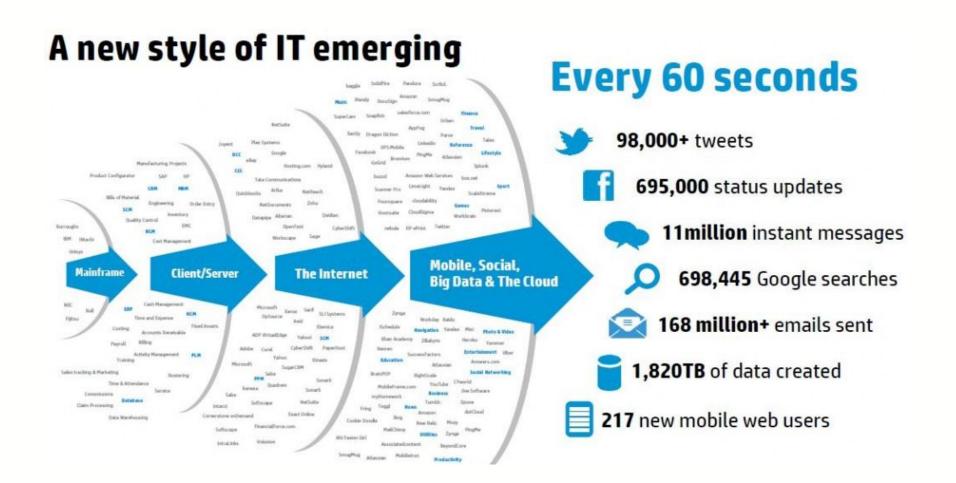


Template-based State-based Event-based Role-based Rule-based Decision-based Intelligence-based Data-based Information-based Knowledge-based Community-based Social intelligence based Social knowledge based Goal-based –Instance-based Inter-process based. Managerial based Instinct-based Inter-organisation based. Resource-based. Decomposition cascade Assembling cascade Combined cascade Life-cycle-based





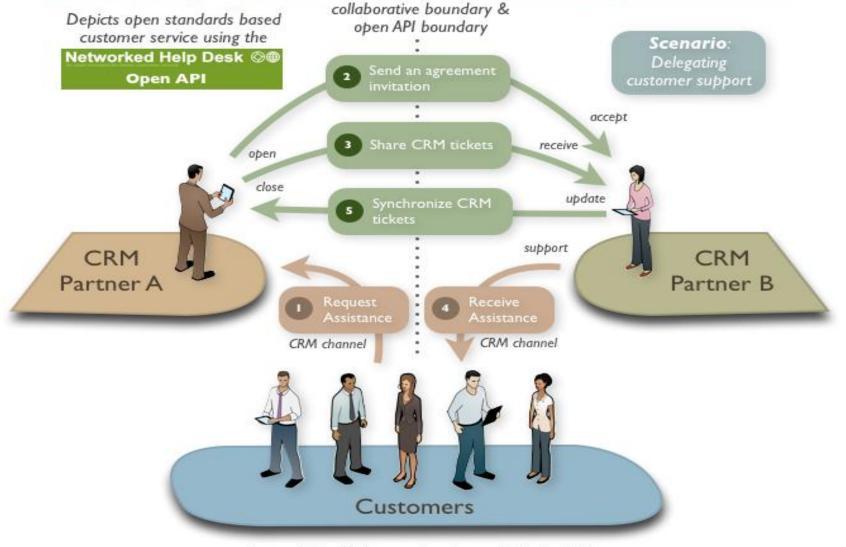
### **Flood of Real time information**



## Enabling collaboration with open APIs

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**Business** 



From http://blogs.zdnet.com/Hinchcliffe

## **The Business of Open APIs**

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26

Cultivating a Partner Ecosystem Based on Strategic Shared Data

**Business** 

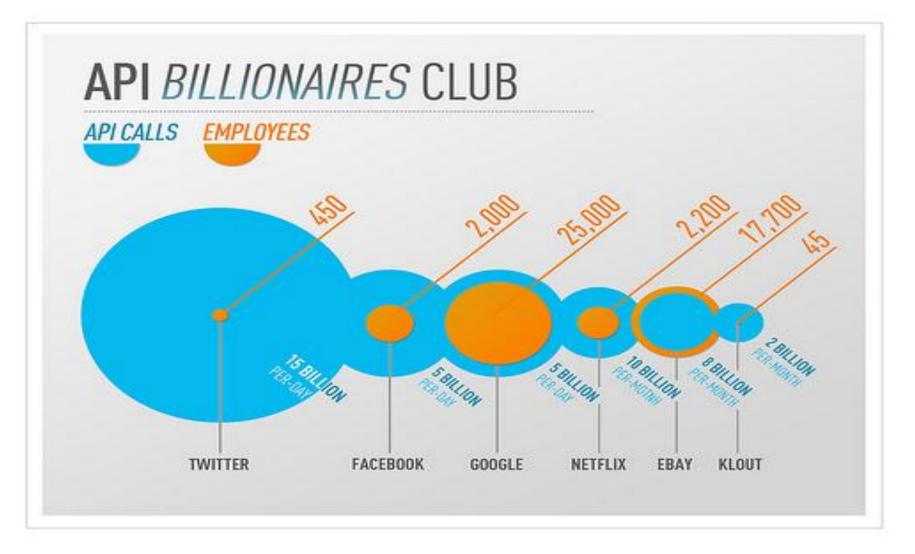
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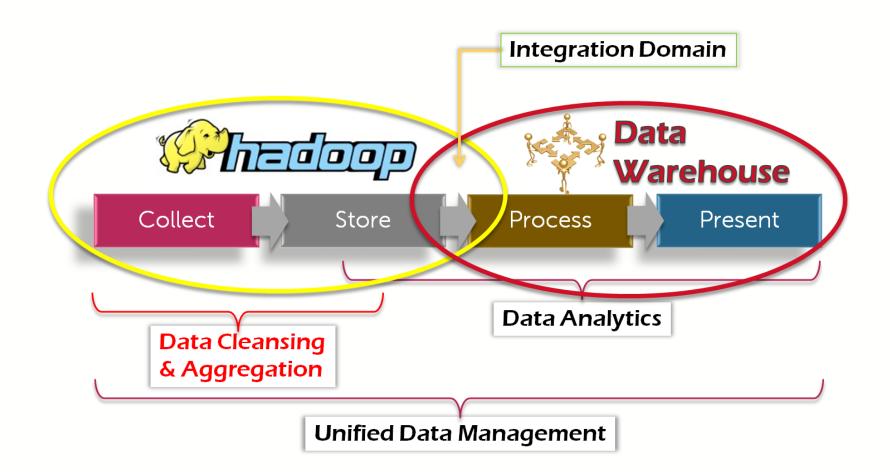






#### **Unified Data Managment**

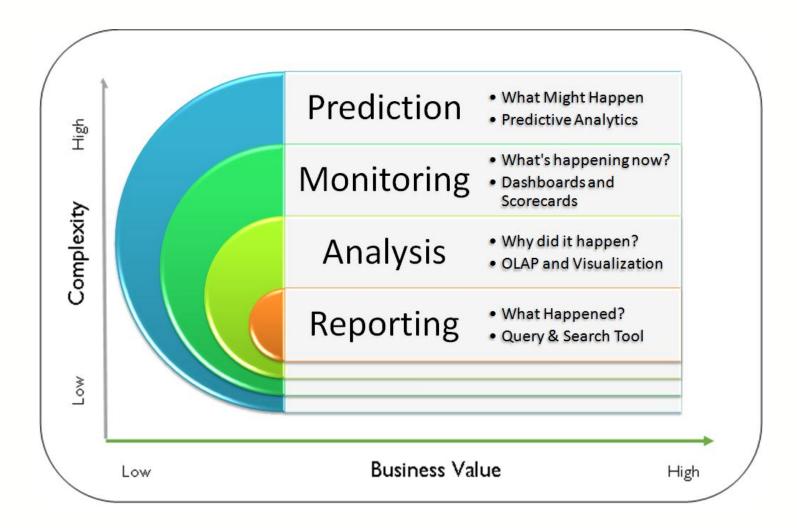








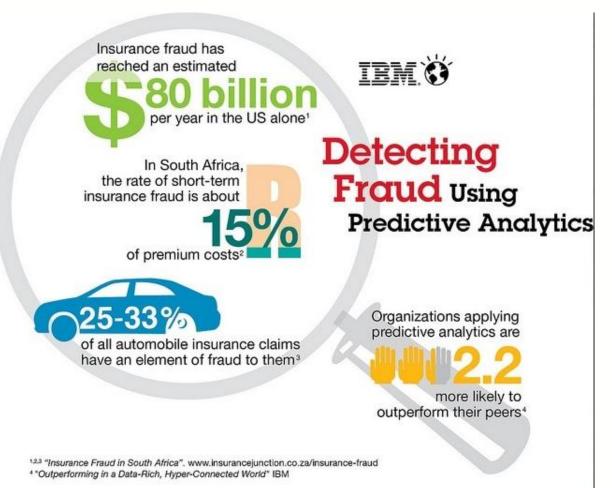
## **Real Time Focus**







## Prevention is better than cure



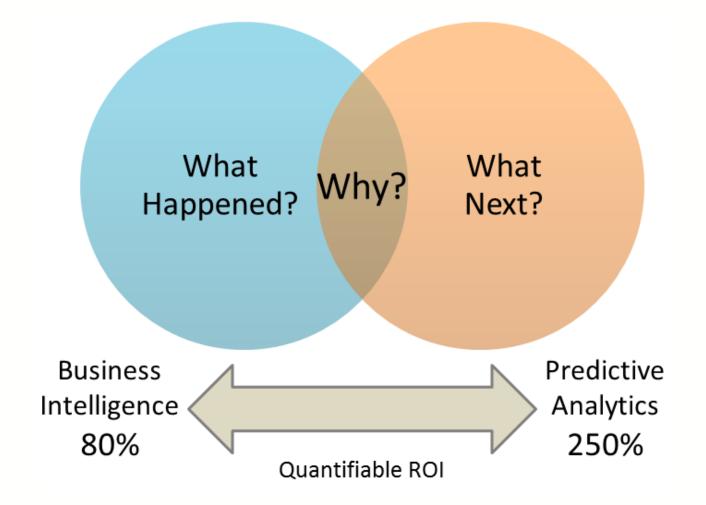
Business Connexion

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## **Return on Investment**

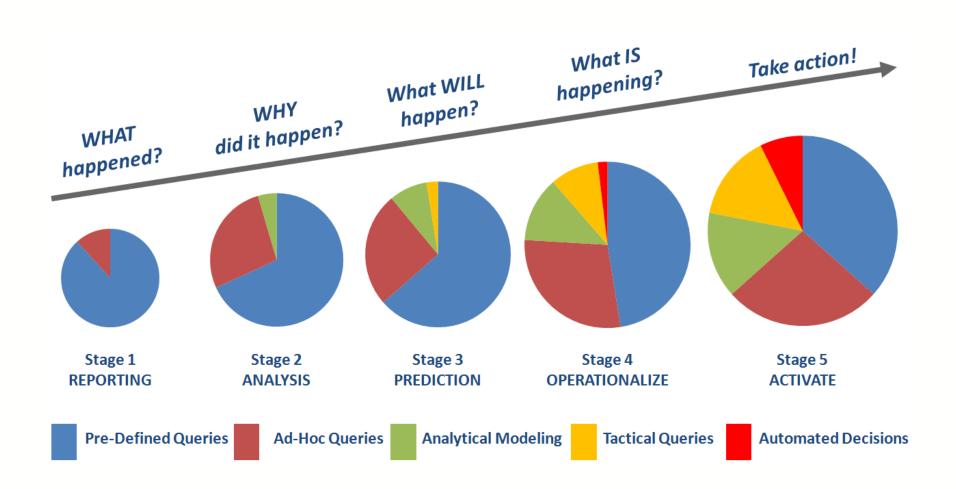
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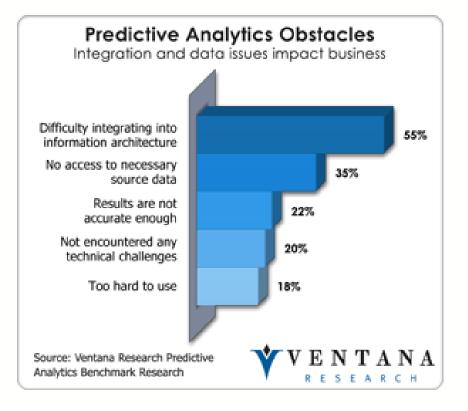
### **The Big Picture**

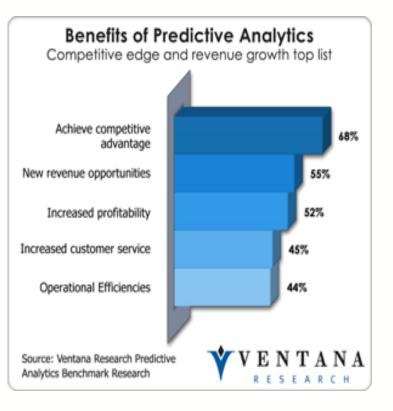






### **Obstacles and Benefits**

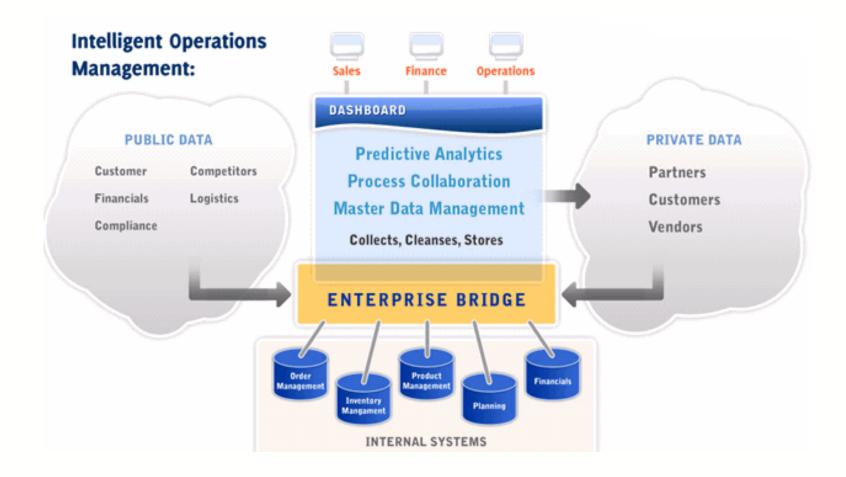






### Variables and API's

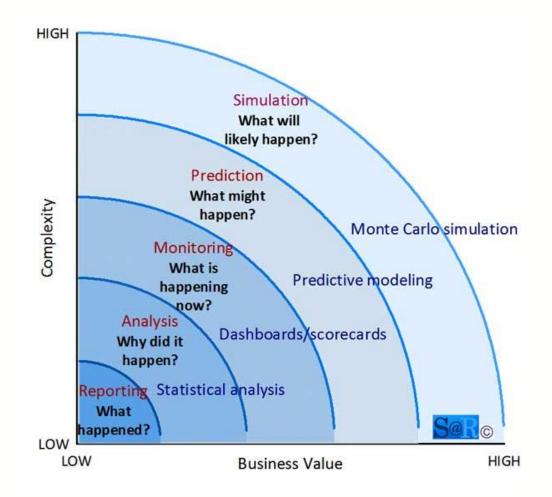








### **Monte Carlo Simulation**





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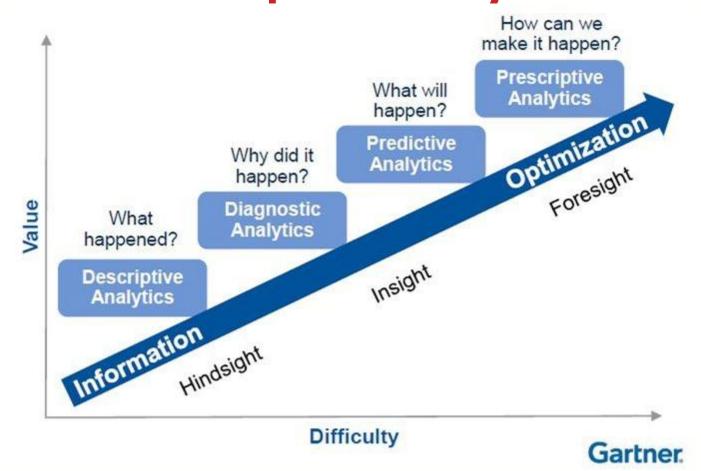
### **Nash Equilibrium**

$$\begin{cases} \frac{\partial Exp(Payoff_m)}{\partial b_m} = 0\\ \\ OR \left( b_m = 1 \text{ AND } \frac{\partial Exp(Payoff_m)}{\partial b_m} \ge 0 \right) \end{cases} \quad \forall m \in \Theta\\ \\ OR \left( b_m = 0 \text{ AND } \frac{\partial Exp(Payoff_m)}{\partial b_m} \le 0 \right) \end{cases}$$





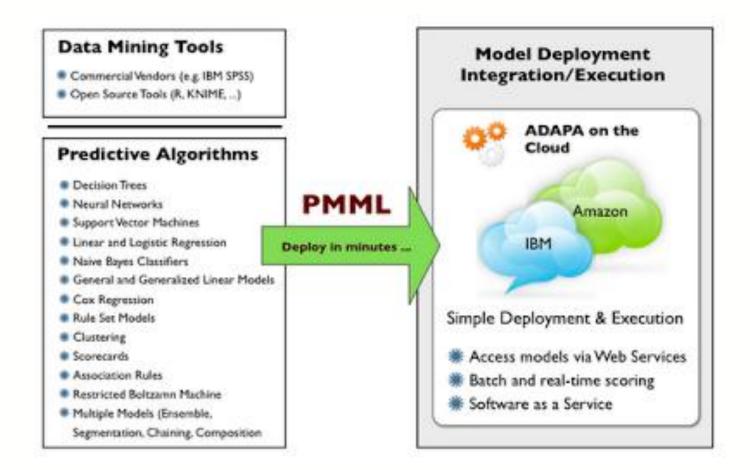
### We are aiming for Prescriptive Analytics





### Predictive Modelling Markup Language







## Key QuestionsBusiness<br/>Connexionto Drive Business Value from DataConnexion

- What business opportunity/problem are we trying to solve?
- What questions do we need to answer to solve the problem?
- What data do we need to answer the questions?
- What data do we have?
- How can data help differentiate us in the market?
- What is IP for us? Revenue generating for us?
- How do we integrate the right data together?
- How do we manage the quality of the data?
- What data does this relate to (master data)?
- Do we have all the data about this (person, event, thing, etc.)?
- What are the permissible purposes of the data? (compliance, regulatory environment)
- Who is allowed to access the data? Use this data?



### **Success measures**



- Information is trusted
- Speed to market for new products or services is improved
- Time spent looking for data is reduced
- Time-to-answer ratio is inversed
- Questions are answerable (e.g. What is the value of a customer?)
- Stratification and insight of customer is achieved
- Customer intimacy achieved
- Integration and development time slashed
- How well is the process performed

### Key important strategy Connexion for Process and predictive Analytics

- Digitize your processes.
- Identify key data sources.
- Validate your source and ensure master data can be trusted
- Make use of API Gateways to gather diverse sources of key data.
- Ensure you have a place to house the data.
- Ensure that you have a mechanism to distil the data.
- Turn the Data info Information use or develop your algorithms.
- Turn the Information into knowledge use or develop your algorithms.
- Turn Information in Intelligence use or developed your algorithms.
- Use the system with new found wisdom.





### Build predictive analytics expertise for business use Stand out from the crowd



# Thank You