

## Know the Future:

Be a Predictive Enterprise with IBM Connectivity and Integration

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## Why Become a Predictive Enterprise?



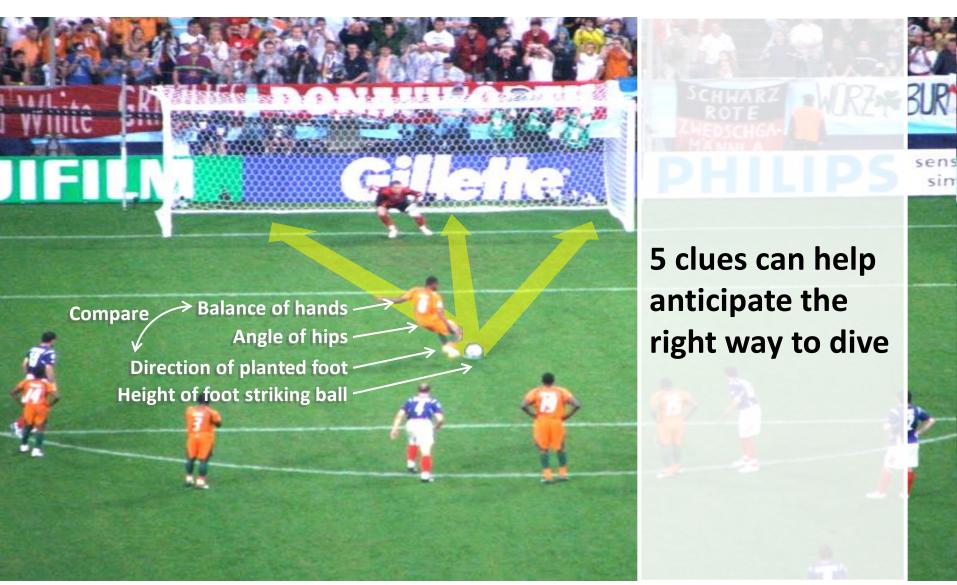
Penalty takers are successful about 80% of the time



http://news.discovery.com/human/penalty-kicks-world-cup.html



#### What if you could foresee the outcome?

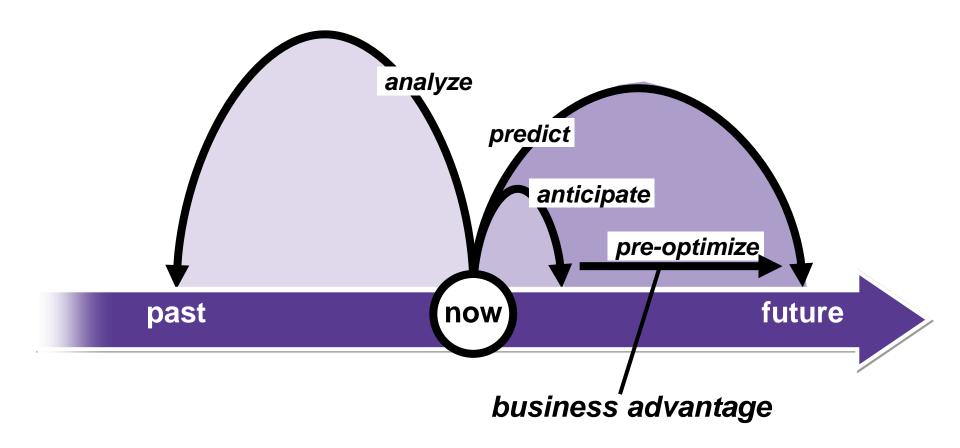


http://news.rpi.edu/update.do



#### What is a Predictive Enterprise?

Organisation that compares what is happening right now with past experience to predict the future so that it can anticipate the changes needed to proactively optimize the business





#### **Examples of Predictive Enterprises**















#### 4 Reasons to become a Predictive Enterprise

1 Stay Competitive

- Exceed reactive competitors
- Superior customer service
- Pro-active supply chain

2 Manage Risk

- Avoid non-compliance and fraud
- Adapt in time to reduce risks
- Reduce unnecessary costs

3 Grow Revenue

- Discover emerging opportunities
- Pre-empt trends in demand
- Better targeting of offers

4 Better Decisions

- Improve on intuition with real data
- Empower decision makers
- Gain fresh insights



#### Predictive Enterprise is a game changer

 Not just about fast reactions – but leverages unique insights based on your treasure trove of data

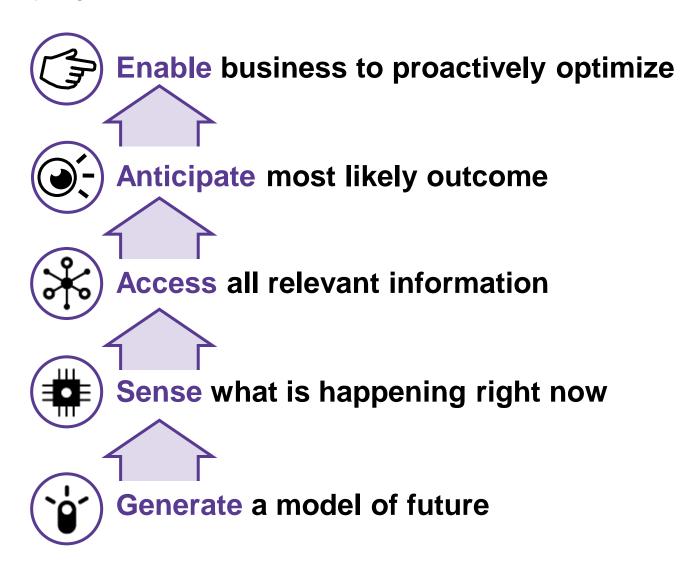
	Sense and Respond	Predictive Enterprise
Outcome for business	Reactive	Proactive
Business value based on	Reaction speed	Your unique insights
Competitive advantage	Responding faster than competitors	Being able to optimize the business beforehand
Bases action on	Reacting to pre-defined events	Insights based on real-time events + historic data
Response time	2 seconds after	Before it happens

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#### What's needed to be a Predictive Enterprise

Applying the capabilities of a smarter planet

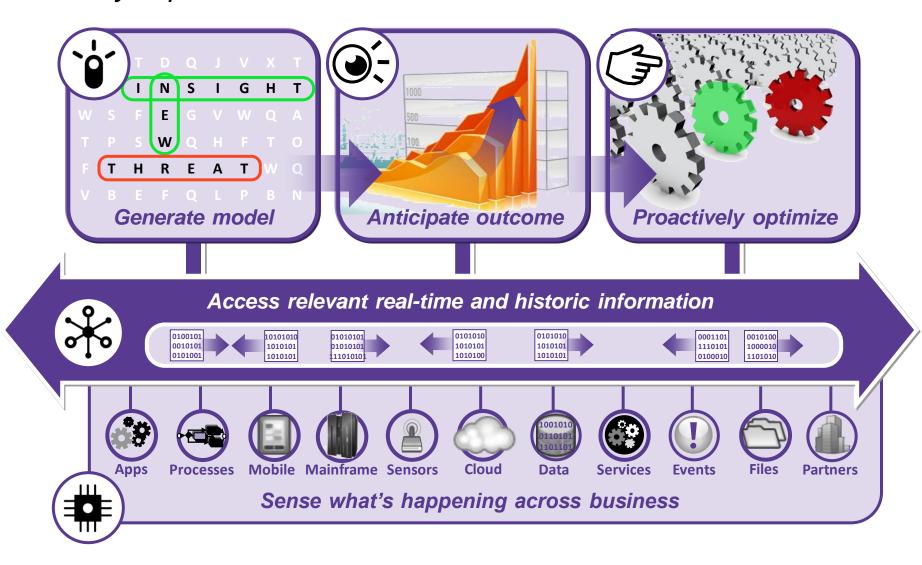


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#### **Enabling the Predictive Enterprise**

#### Five key capabilities





Real-time

## Progressively becoming more predictive

Phased approach to increasing predictive capabilities

Business Outcome

**Predictive** 

**Forecast** 

Reactive

What should we do in the future?	What should we do soon?	What should we do now?
What's going to happen in the future?	What's going to happen soon?	What's going to happen next?
What has happened?	What just happened?	What's happening now?

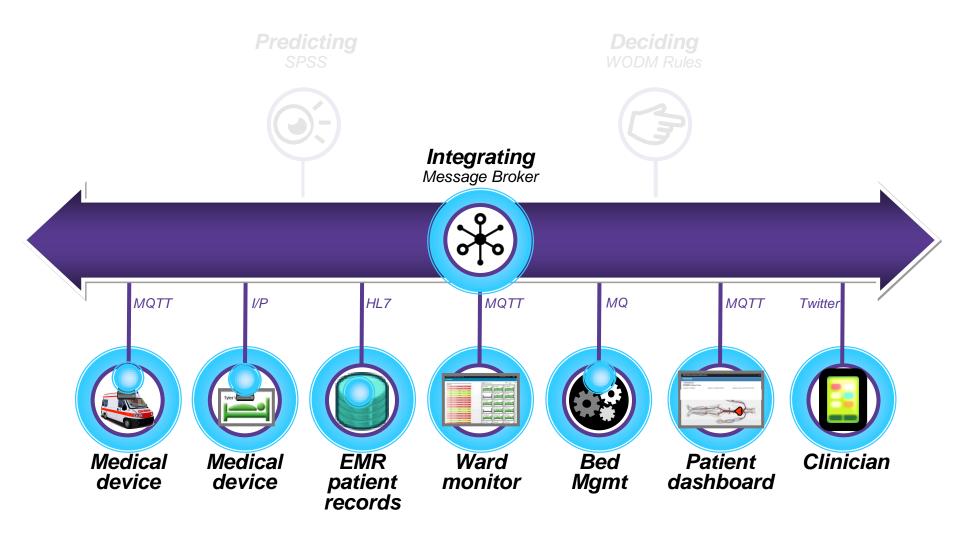
Recent

Timeliness of Data

Historic

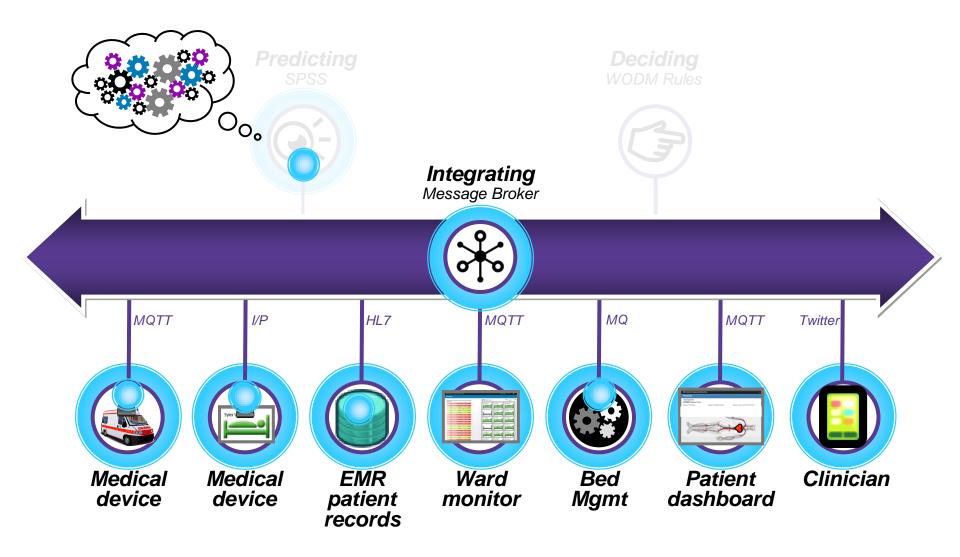


### **Predictive Enterprise – Healthcare Example**



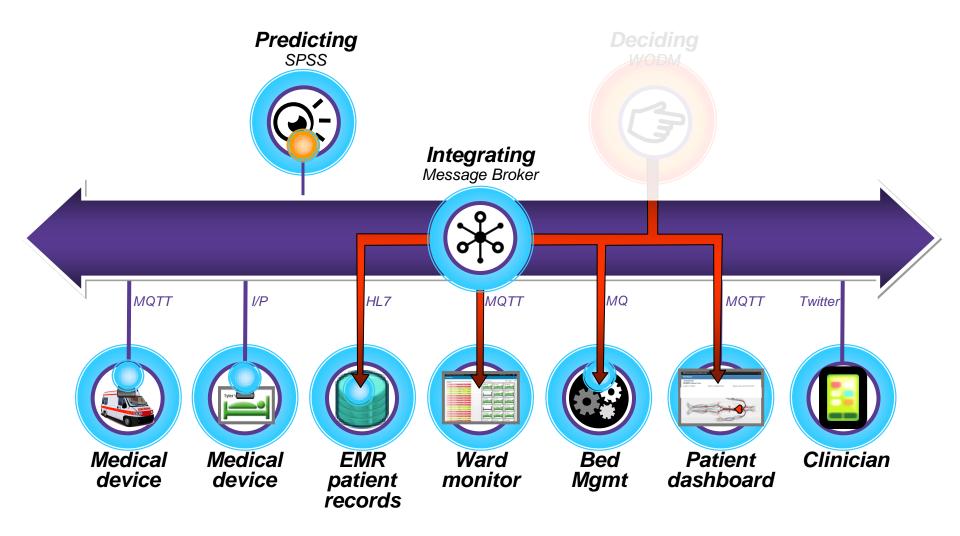


## **Predictive Enterprise – Healthcare Example**





## **Predictive Enterprise – Healthcare Example**





# Predictive Enterprise Healthcare Demo





#### Ward management real challenge

Many factors affect utilization of beds

#### Delays in assigning beds affects care

Patient satisfaction, recovery time, costs

#### Long process to free up beds

- Bed blocking affects ongoing care
- Organizing transport or pick up
- Check out and final assessment
- Drugs, equipment, prepping bed



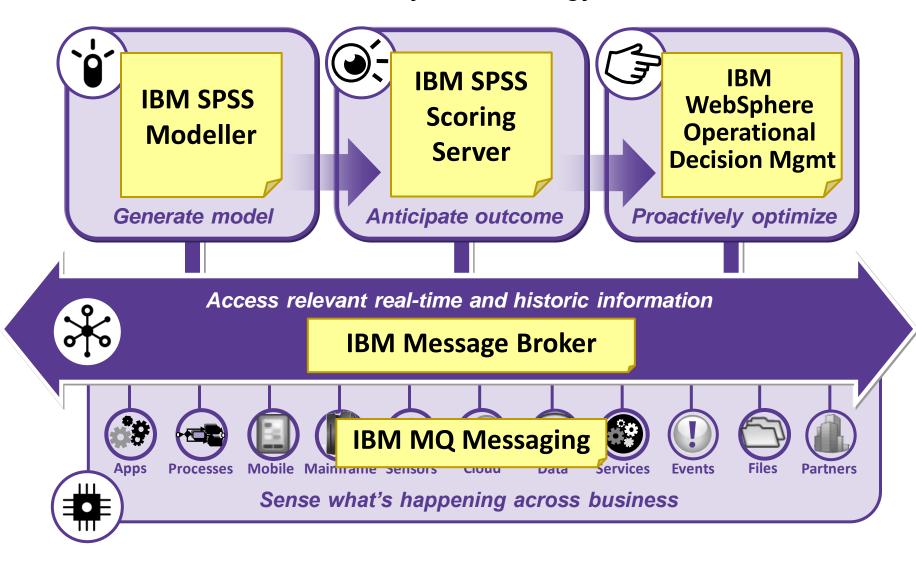
#### Need to anticipate resource requirements in advance

Predict future utilization requirements to improve management Opportunity to take proactive steps to free critical resources



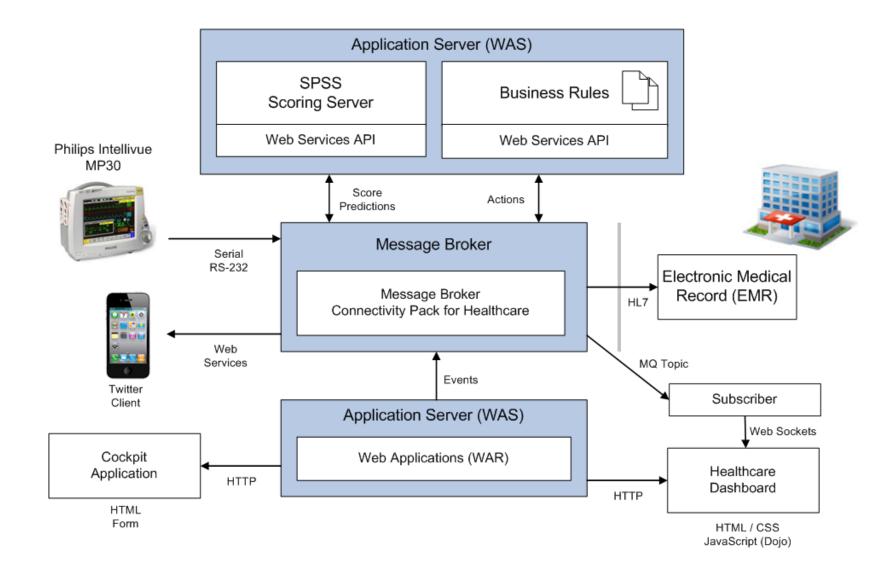
#### IBM capabilities enable Predictive Enterprise

Can be realized now with today's technology





## **Predictive Enterprise – Architecture**





(Play)

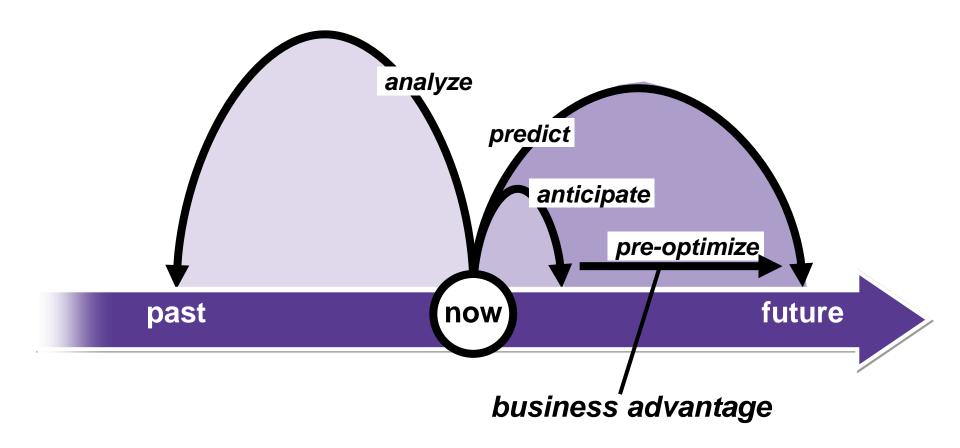


## **Summary**



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#### **Enabling the Predictive Enterprise**

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