Innovation in Risk Assessment

ICAO: Innovation in Aviation Security

Wayne Liepmann | Associate Partner, IBM Global Business Services

October 23rd 2014
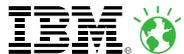
Objectives

- Illustrate the role of data/information in performing a traveler's risk assessment
  - Note: Physical screening and queues are still required, however benefits are gained by risk-screening in advance

- Explore the key components that form a risk assessment solution
  - Harvested from our global teams and experience

- Touch on Major Trends in this particular area of risk assessment
 - Cloud Concepts, Data Sharing, and Master Data Management

Innovation in Risk Assessment

Information Exchange Tools

Collect Airline Data

Reservation and Departure Control

Integrate with other sources

Master Data

Transform & Cleanse

Integrated Database

Analyse

Content

Big Data

Dimensions

Intelligence Alerts Experience

Governance

Quality

Lifecycle

Security & Privacy

Standardisation

IBM
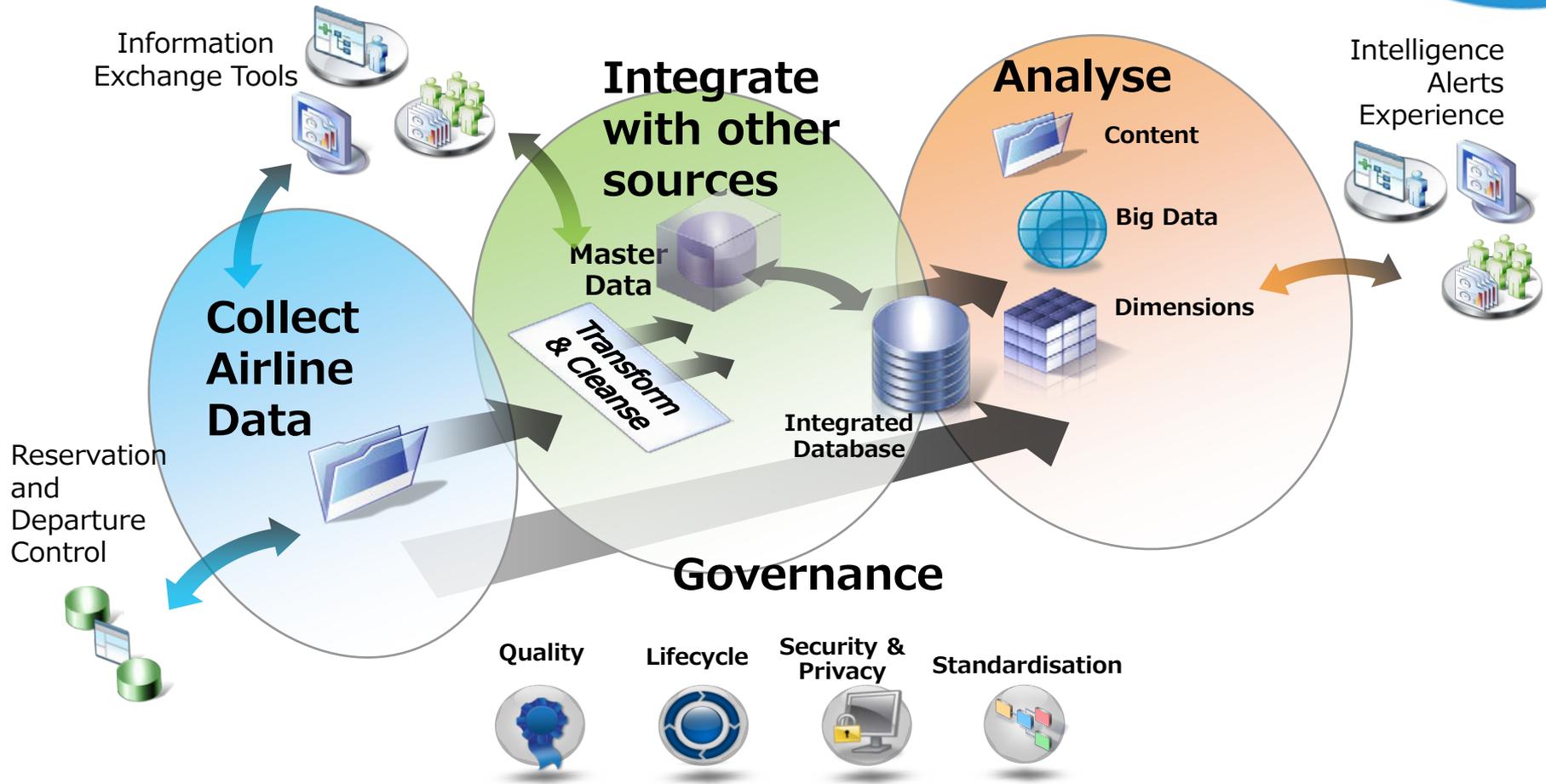
Innovative Exchanges
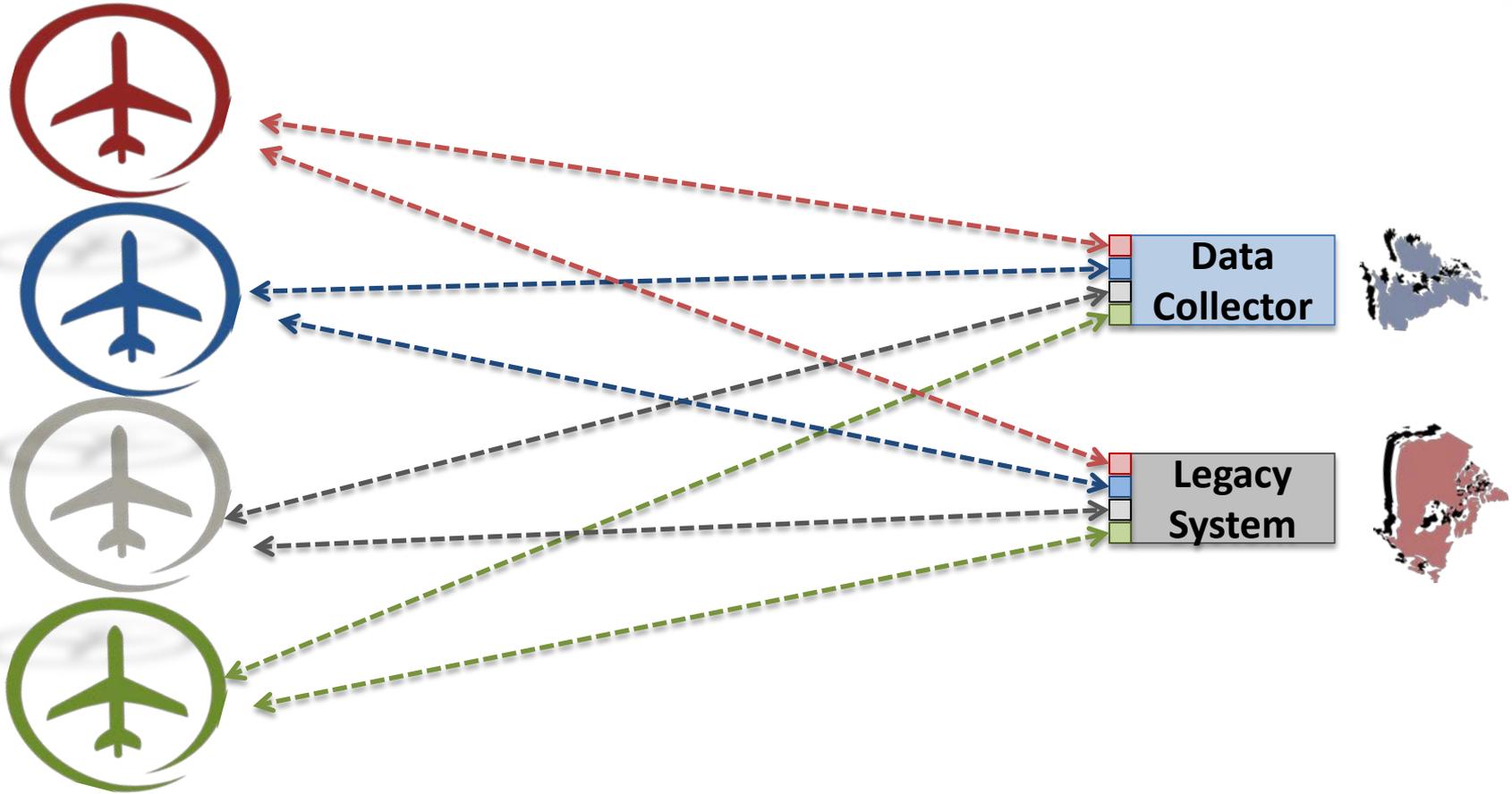
Innovative Exchanges - Cloud
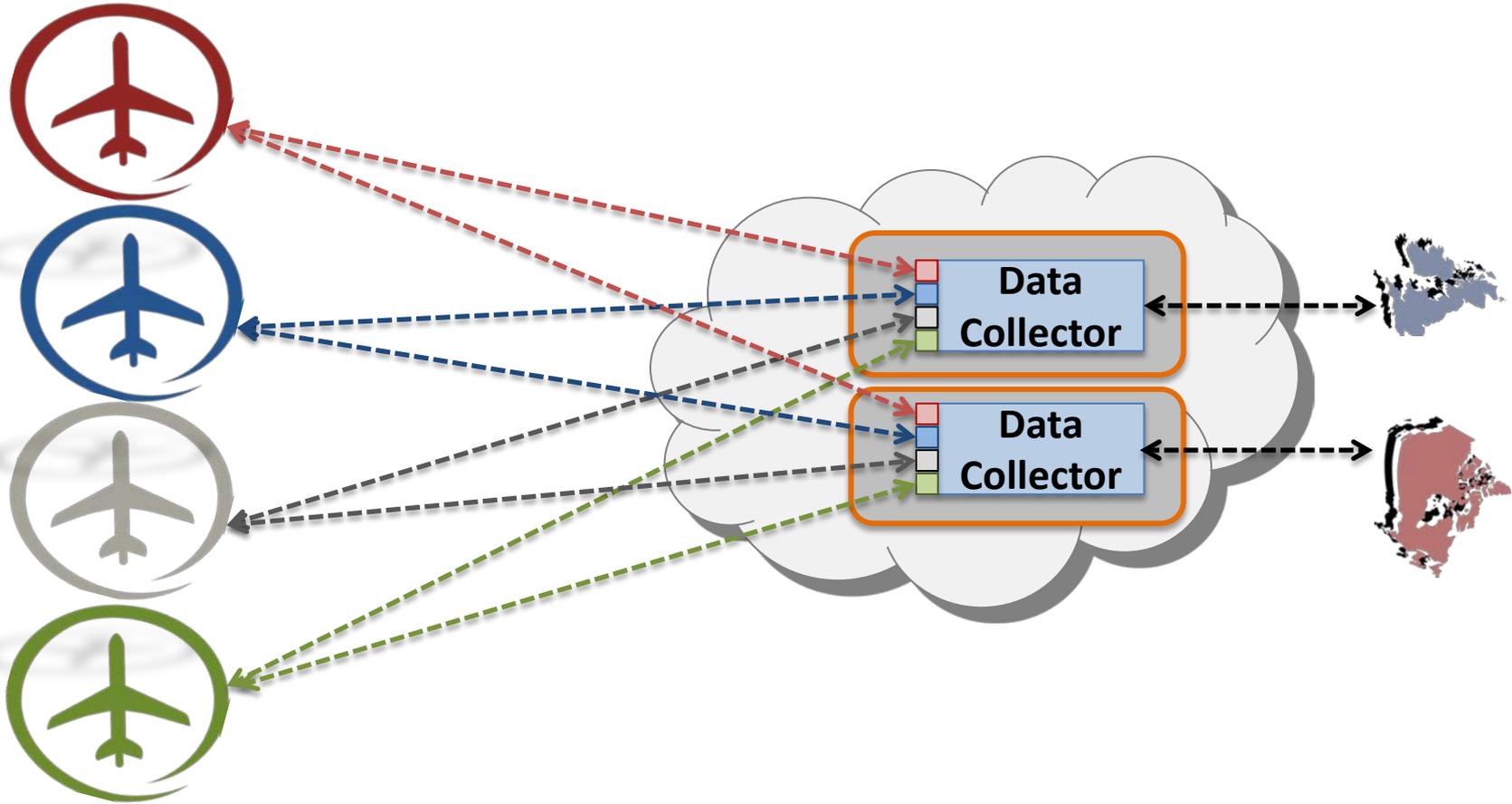
Innovation in Risk Assessment

Other Major Trends/Topics:

Frequency of Risk Assessment
- Responding to "Business Events" and Metered Systems
  - Ultimately enabling more advanced physical controls

Data sharing amongst agencies with "Watch-Lists"
- Privacy concerns are legitimate and require safeguards
  - Solutions feature "Anonymous Resolution" to protect citizens

Increasing use (and understanding) of Master Data Management
- Powerful and effective solutions exist in the marketplace
  - Enables a view of travelers as "repeat customers"

IBM