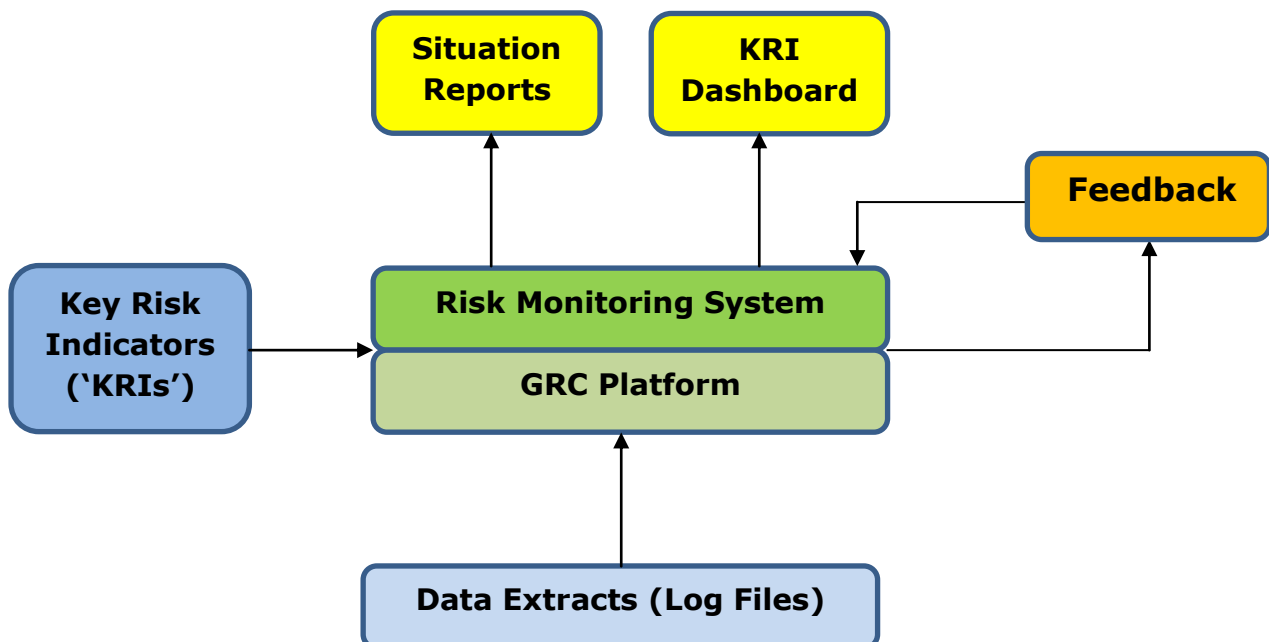# BI on the Beach for Risk Monitoring

1. Introduction

This short Paper describes the approach of a general 'BI on the Beach' approach to the specific example of Risk Monitoring. It replaces general Key Performance Indicators (KPIs) by specific KRIs

2. Risk Monitoring System

A Risk Monitoring System (RMS) is set up to provide timely notification to the Security Administrator of any situation that requires his attention.

A number of Key Risk Indicators ('KRIs') will have been identified and Dashboards produced regularly by the RMS that tracks the KRIs.

The RMS allows the Security Administrator to pay attention only to the situations needing attention.

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3. User Scenario

- The Security Administrator is relaxing on the beach
- An Alert is sent to his Mobile phone about a situation that requires his attention.
- He drills down to the details
- He identifies the appropriate response
- He sends an Alert to the appropriate member of this staff back at the office.
- He goes back to his relaxation

4. Typical KRIs

The KRIs will be agreed with the business and will include such things as :-

- Peaks in unsuccessful attempts to login.

- Attempts to access Sensitive Data

- Compliance with Statutory regulations, such as Sarbanes-Oxley.

- Compliance with Best Practice in Data Management, such as Data Consistency checks on Master Data Management, Orphan Orders, and so on.

5. Risk Dashboard

The KRIs will be displayed in a Risk Dashboard looking something like this :-

6. A Data Migration Architecture

This Data Migration Architecture provides for a controlled transformation of data from a variety of Data Sources, through Data Integration to an integrated Data Warehouse.

This Data Warehouse provides a 'Single View of the Truth' and Data Marts are then populated for specific purposes such as Basel 3, Risk Management, Customer Sales, Profitability and so on.

Finally, the data in Data Marts is then displayed by 'BI in the Clouds' with Dashboards, KPIs, Reports and so on.

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              Governance, Risk
              and Compliance
                     ↑
              Business
              Intelligence Layer
                     ↑
   ┌──────────────────────────────────────────┐
   │  Financial      Performance    Risk and Other │
   │  Data Mart      Data Mart      Data Marts      │
   └──────────────────────────────────────────┘
                     ↑
              Data Warehouse
                     ↑
         Data Integration and
         Master Data Management
                     ↑
              Data Sources
```