Future envisioned operational risk data architecture
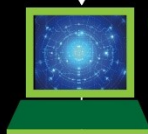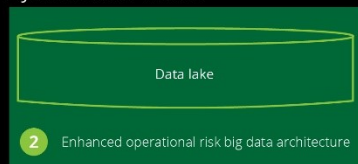
Legacy OR platform

GRC | RCSA | Loss data | KRI's | Scenario Analysis

1 Legacy operational risk management platform including traditional Basel infrastructure for operational risk quantification

Enhanced OR data infrastructure

Compliance | HR | Transaction Systems | External Data | Front Office Supervisory Data

5 Process efficiency through robotic process automation, natural language processing and business process management and decisioning tools to automate collection, cleaning, and transformation of applicable operational risk data

Dynamic data model

Data lake

2 Enhanced operational risk big data architecture
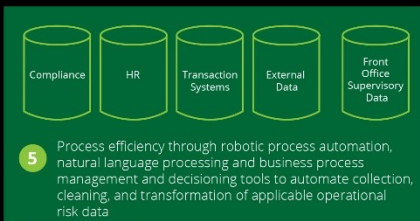
3 Predictive analytics engine for the identification of previously unknown patterns, correlations and causation

Reporting Layer

4 Leverage of information across lines of defense to promote efficacy and action, over protocol and procedure