



CASE STUDY

**RISK BASED SUPERVISION ENABLED
BY BIG DATA PLATFORM**

Analyse | **P**redict | **M**onetise

RISK BASED SUPERVISION ENABLED BY BIG DATA PLATFORM

Overview

This case study focuses on implementation of the technology stack at the client's data center.

Primary use of the platform would be for:

1. Access of data to Reserve Bank of India in a controlled manner
2. Intensive regulatory reporting
3. Automated workflow of reporting

Client profile

Leading private sector bank handling 7 Billion+ transactions.

Pain points

- No unification between multiple systems providing duplication of data
- Advanced analytics not possible on such high volume of data
- Manual process for reporting, making it error-prone

Solution Offered

- A big data solution architected on Virtual Machine environment with Cloudera and Tableau.
- Integration of structured and unstructured data to achieve single high-performance system.
- Secured archival data storage.

➤ **Automation of Reporting**

- Automation of Reporting Big data solution required only a fraction of time to that of a relational database solution, reducing reporting time from hours to few minutes.
- Set up of a single server/ staging area for extraction of all regulatory data requirements.
- Generate reports in the regulatory prescribed formats through a reporting tool on the data mart.

➤ **Navigating Risk-based supervision**



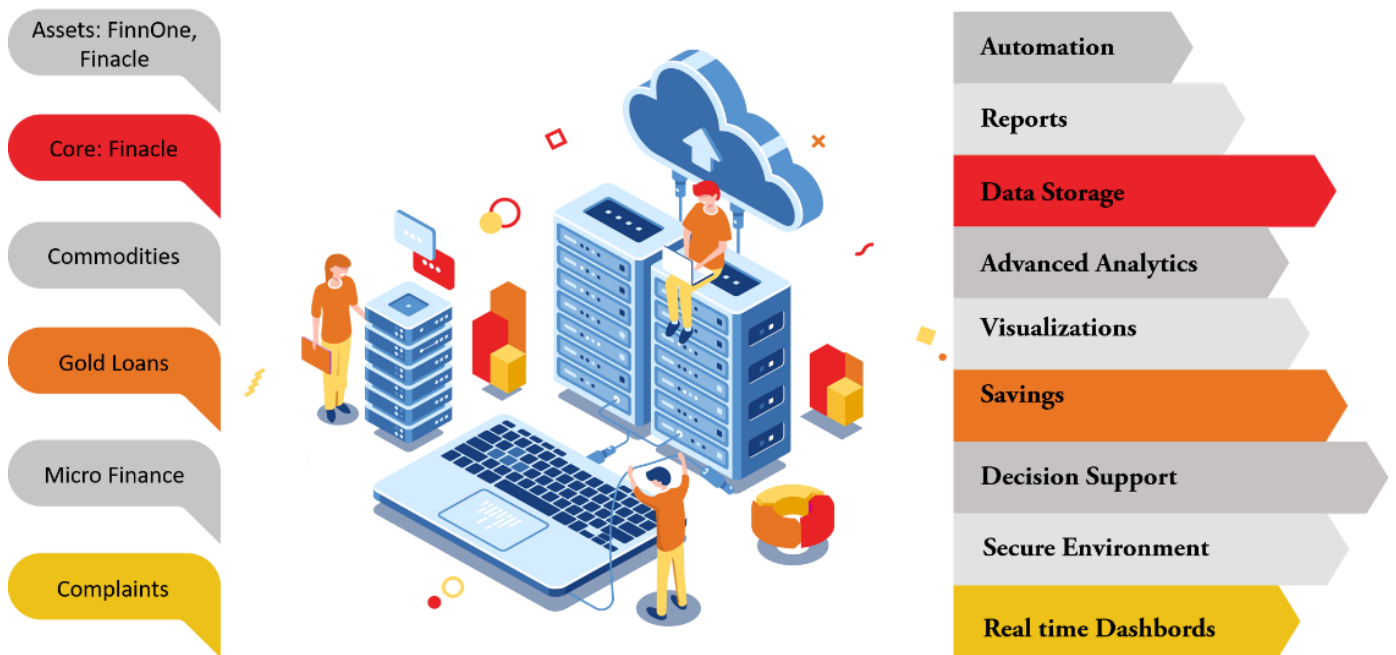
➤ **Embedding risk indicators within the business processes for long-term sustainability of risk- based supervision and integration**

- Traditional relational database system would be too resource-intensive due to volume and velocity.
- Our Big Data solution enabled the bank to gain an immediate focus and attention to data for meeting regulatory needs

➤ **Platform structure in full play:**

- Hadoop services were mapped to multiple use cases. The platform required a set-up time of 2 weeks.
- Continuous engagement with the bank to address all facets of RBS over a period.

➤ **Hardware/ Software Platform**



Business Value for the client:

- High performance and reliable setup – 100% availability
- Flexible reporting platform to accommodate future data requirements or changes in regulatory reports in accost effective manner
- Optimal cost of ownership along with high levels of automation
- Availability to handle real-time reporting



About InnoTx

InnoTx Solutions LLC is Data Science and Analytics Company based in UAE. With a team of 180+ professionals spread across India, MENA, Europe and US, we offer AI driven advanced analytics, Big Data Solutions, Digital Platforms, InsurTech & FinTech Advisory and Consulting and Resource Augmentation. Our list of customers includes Banks, Financial Institution, Insurance companies, Power and Utility companies, Education service providers and Retail chains.

FOR FURTHER DETAILS:



+971 50 6160 889



contact@innotx.com



www.innotx.com

