



SUCCESS STORY

Transforming Banking Dynamics With SBI's Informatica Upgrade Journey

Optimizing Banking Operations by SBI's Data Transformation Journey

Company Name:

SBI

Industry:

Banking

Location:

India

Impact

Optimised Strategic Upgradation

Application

Informatica

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Transforming Banking Dynamics: SBI's Informatica Upgrade Journey

A CASE STUDY

Optimizing Banking Operations by SBI's Data Transformation Journey with Informatica.

Background

State Bank of India (SBI), one of the largest banks in India, has leveraged Informatica's data management solutions to enhance its operations and customer services by upgrading its system from **Informatica version 10.4.1 to 10.5.3**. This collaboration between SBI and Informatica signifies a strategic approach to managing data effectively in the banking sector.



Our Approach

Implementing Informatica 10.5.3 Across SBI's Servers

SBI's business operational value is quite huge and valuable, they couldn't afford long downtime and system unavailability. So, we devised a strategy for smooth data transfer and technology update from 10.4.1 accomplishing accurate and fast upgrade to informatica 10.5.3 without compromising on data integrity, security and system availability.

Solutions

> Server/Structure Mirroring:

- We did not want to disturb the current working ecosystem of SBI comprising of four environments, System Integration Testing (SIT), User Acceptance Testing (UAT), Production, and Disaster Recovery (DR) servers. So, we started this process on New Servers for upgrade.
- Set up all these four environments on new servers by importing data backup of current running servers on version 10.4.1, ensuring smooth data transfer with rigorous load testing.

> Transformation Preparation:

- New Informatica is incompatible with current Operating system RHEL7, pressing for OS Upgrade to RHEL8
- Also, Oracle Client Software had to be updated across all servers as per the current OS upgrade for smooth and effective communication between client software and Data Base Servers.
- Upon successful update, followed rigorous testing and trouble shooting.

Challenges Faced

• System Downtime & Business Continuity

For an organization as massive as the State Bank of India (SBI), minimizing downtime is crucial as any interruption in services can lead to significant financial losses and affect customer satisfaction.

• Fixing Informatica 10.5.3 incompatibility with RHEL7

Informatica 10.5.3's compatibility issues with RHEL7 pose a significant challenge as it hinders the smooth functioning of the system and can lead to errors, failures, or security vulnerabilities.

• Identifying Necessary system upgrade/installation

Identifying the specific upgrades or installations required to support the Informatica upgrade process can be complex, especially in a multifaceted environment like SBI's, as any missing components or dependencies can lead to system errors or failures.

- **The Upgrade to New Informatica 10.5.3:** Initialized the upgrade to Informatica 10.5.3, across all four servers by installing and restoring data backup, tested by executing sample workflows and verifying existing mappings and configurations to ensure error-free system upgrades.
- **Finalizing main connections:** Upon successful upgrade, the SBI's system interface was connected to New servers for SBI to run its operational functions on the new upgraded Informatica 10.5.3

Business Outcomes

Operational Streamlining

Cubastion's strategic approach led to operational benefits, making the system more robust and user-friendly, reducing administrative overhead and enhancing overall system reliability.

Enhanced Stability

The upgrade to Informatica 10.5.3 significantly enhances platform stability, allowing SBI to focus more on leveraging the tool's capabilities rather than troubleshooting technical issues.

Expanded Catalog Curation

With the upgraded EDC API in Informatica 10.5.3, SBI gains greater flexibility in curating the data catalog, enabling the addition of business metadata to complement technical metadata effectively.

ABOUT CUBASTION

Cubastion helps global companies run their mission critical systems and operations while modernizing IT, optimizing data architectures, and ensuring security and scalability across platforms. Some of the world's largest companies and Indian Public Sector Undertakings trust Cubastion to deploy services to drive new levels of performance, competitiveness, and customer experience.

Over 17 years, Cubastion has built solutions that impact over 500+ million people around the globe working in different demographics across different cultures. earn more about Cubastion at

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Key Areas of Expertise Demonstrated

● Technical Proficiency

Demonstrated mastery in Informatica infrastructure management, executing complex upgrades while ensuring data integrity and system security.

● Project Management

Effectively managed the upgrade project, from planning through execution, coordinating cross-functional teams and resources to achieve seamless implementation.

● Strategic Thinking

Our strategic approach to minimize downtime and maximize business value demonstrates a keen understanding of SBI's needs and a proactive mindset towards achieving project success.

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