



Yethi Executes Flexcube Testing for Midsize Private Banks using Tenjin

About Yethi

Yethi leverages unique methodologies, advanced solutions, and close industry partnerships to deliver innovative solutions to clients.

We are veterans in product development, quality assurance, implementation and integration across corporate and consumer banking applications and aim at improving the quality of digital technologies being adopted within the BFSI industry. The core business analysis and testing teams have supported several organizations in implementing large-scale global projects.

About Tenjin

Yethi's flagship product scriptless test automation platform, Tenjin, is a highly resilient test automation platform built for complex enterprise applications. It is a banking aware solution, which has distinctive features like robotic capabilities to learn the application and re-learn after any updates. Regardless the complexity and number of updates, the test execution remains high-speed, minimizing manual effort.

Following are the instances of a few of our experiences in Flexcube Migration Testing:-

The Client

1. A leading global Tier 1 Bank, was upgrading its core banking platform FLEXCUBE. In addition to the large customizations undertaken to the software, the bank was also establishing a single code-base across its Middle-East and Asia operations thereby increasing the complexity and possibility of errors.
2. A leading NBFC operating in India with was transforming into a bank. As they were entering a highly competitive market, the transformation team

recognized that the new venture's feasibility was dependent upon being recognized as a "reliable and consistent" brand without any operational challenges, from the very first-day.

Industry

- Banking & Financial Services

Company Size

- ~ 300 Branches
- \$ 1.6 billion Assets

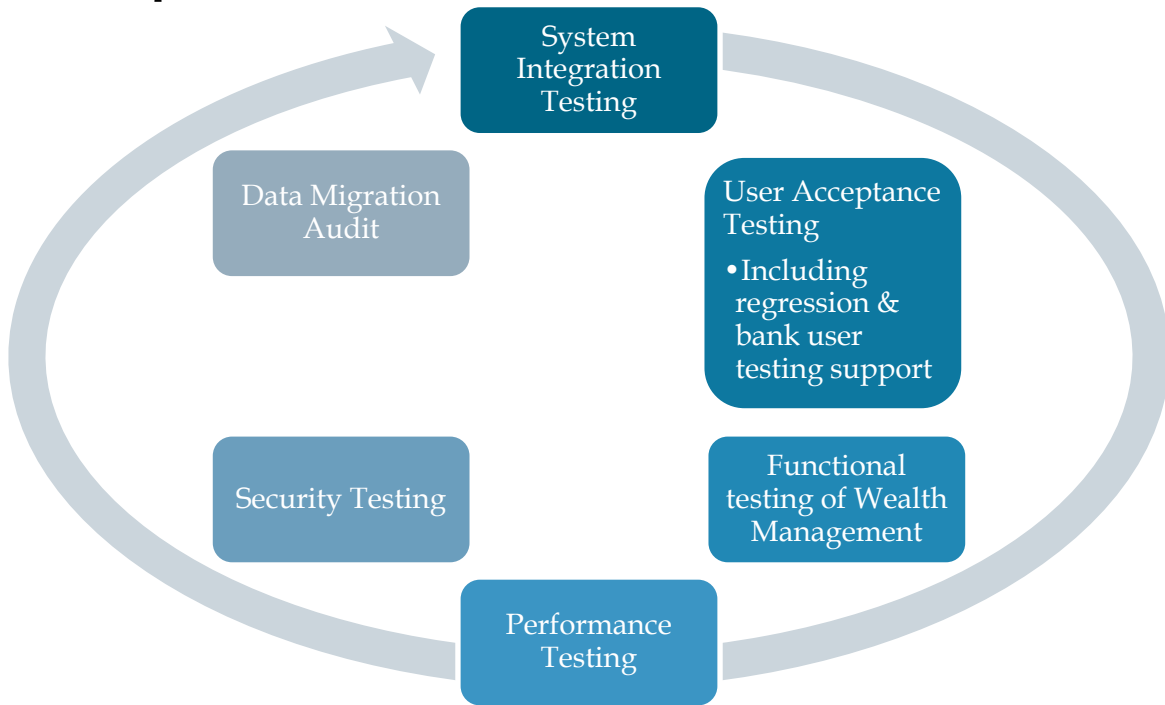
Yethi's Approach

- Comprehensive analysis to design test strategy
- Using both manual and automated testing to bring in greater coverage and consistency
- Daily review, reporting and triage meetings to ensure the bank was able to meet its project timelines
- Ability to integrate automation
- Ease of migrating existing test cases into the tool and integration with defect tracking system

Business Impact

- Enabled to run greater coverage of test cases
- For some applications, we even ran daily regression packs to eliminate error injection due to frequent patches / updated
- Test cases were retained by the bank as their smoke and regression packs
- The bank tested and deployed monthly patch updates by using these pre-built packs. This helped the bank in avoiding any significant defect slippage into production

Our Scope of Work



The Project in Numbers

FCC + FCUBS
Products (Peak
team size - 35)

100 TD Products

150 CASA Products

70 Loans

FCUBS (Elapsed
time - 18 Months)

15 Payments

90 Trade Finance Instruments

Test Highlights
(Efforts expended
- 450 man months
approx.)

29745 Test Cases

12000+ Defects raised

3500 Automated cases

Key Benefits

- Tenjin improved the quality and coverage of test-cases dramatically
 - 20k test cases automated and executed
 - Large volume of errors detected during UAT rounds
 - Over, fifty percent of the errors that were detected were Sev 2 errors
- Due to quality and coverage, defect leakage into production was significantly lower for the bank

3. 5x improve in test-execution efficiency—from 25-30 cases per person day to ~150 cases per person day
4. 30 percent reduction in manual effort expended in the project
5. Significant cost saving for all future release and enhanced ROI
6. Fully automation regression test package and upgraded test package
7. End-to-end business process testing can now be executed on-demand

Conclusion

Yethi was responsible for ensuring the quality and operability of all the applications they were commissioning.

- Web/Core Applications Implemented for:
 - ❖ Flexcube UBS
 - ❖ Newgen- LOS
 - ❖ CRM
 - ❖ Decimal
 - ❖ Ramco
 - ❖ Suntec
 - ❖ OBDX – Internet Banking
 - ❖ Oracle HRMS Enabling Transformation from NBFC to a Full-Fledged Bank
- Mobile Applications Implemented for:
 - ❖ Collections
 - ❖ OBDX Mobile Banking

Tenjin helped in automating and executing over 12,000 test-cases. We met go-live deadlines with desired software quality. Over 3000 defects were raised across 2 rounds of testing. At the end of the implementation, we were able to execute 120 + test-cases per person.

This automation testing was used to automate testing for:

- FLEXCUBE UBS
- OBDX-Mobile & Internet Banking
- Newgen Los
- Collections- Decimal
- HRMS-Ramco

To know more about how we can help you mitigate business risks associated with technology enabled operations, reach out to us at info@yethi.in.