

CPPS - CENTRALIZED POSITIVE PAY SYSTEM

CLIENT BACKGROUND

The client is US-based 120-year-old computer hardware, Software and Electronics Company that provides products and services that enable businesses to connect interact and transact with their customers. Its main products are self-service kiosks, point-of-sale terminals, and automated teller Machines check processing systems, barcode scanners, and business consumables. With its software, hardware, and portfolio of services, client enables more than 300 million transactions daily across the retail, financial, travel, hospitality, and telecom and technology industries.

PROBLEM STATEMENT

CPPS is a common platform that was developed for the member banks and their customers (Corporate and Retail) for notifying the issuance of a cheques with details. Banks can use this information for validation against inward received to prevent manipulation. In case of mismatch banks can contact the customer and take actions accordingly. This helped to verify the list of instruments uploaded by member banks in NPCI with list of instruments actually issued by the Customers / Retailers / Corporate of the member banks.

TECH STACK

C#,Java for CPPS Web & Oracle 12c .The Test Automation tools were Selenium Webdriver with Java using JIRA for Issue tracking. Confluence was used for team collaboration.

BENEFITS

- The CPPS system that we developed was capable of processing 3,00,000 transactions received from 400 participants (derived as 1,00,000 IPD per GRID). The peak load requirements that it can handle is about:
- 2400 files containing 1,20,000 transactions to be processed in an hour including response file generation (derived as 40% of total volume in batch size of 50)
- 60,000 web service calls from ECPIX for item validation (derived as 20,000 files in peak hr per GRID, one call per file)
- 50,000 web UI requests in an hour
- CPPS system is available in all the leading banks for data exchange 24 by 7. This includes the maintenance window. In case of down time, system shall be capable of queuing the batches received and shall process as and when the system is available.

**TO KNOW MORE DETAILS ABOUT THE
PROJECT, TALK TO OUR EXPERTS**

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