



**Success Story:  
Largest Banking  
Customer in Canada  
ATA Case Study**



## About The Customer

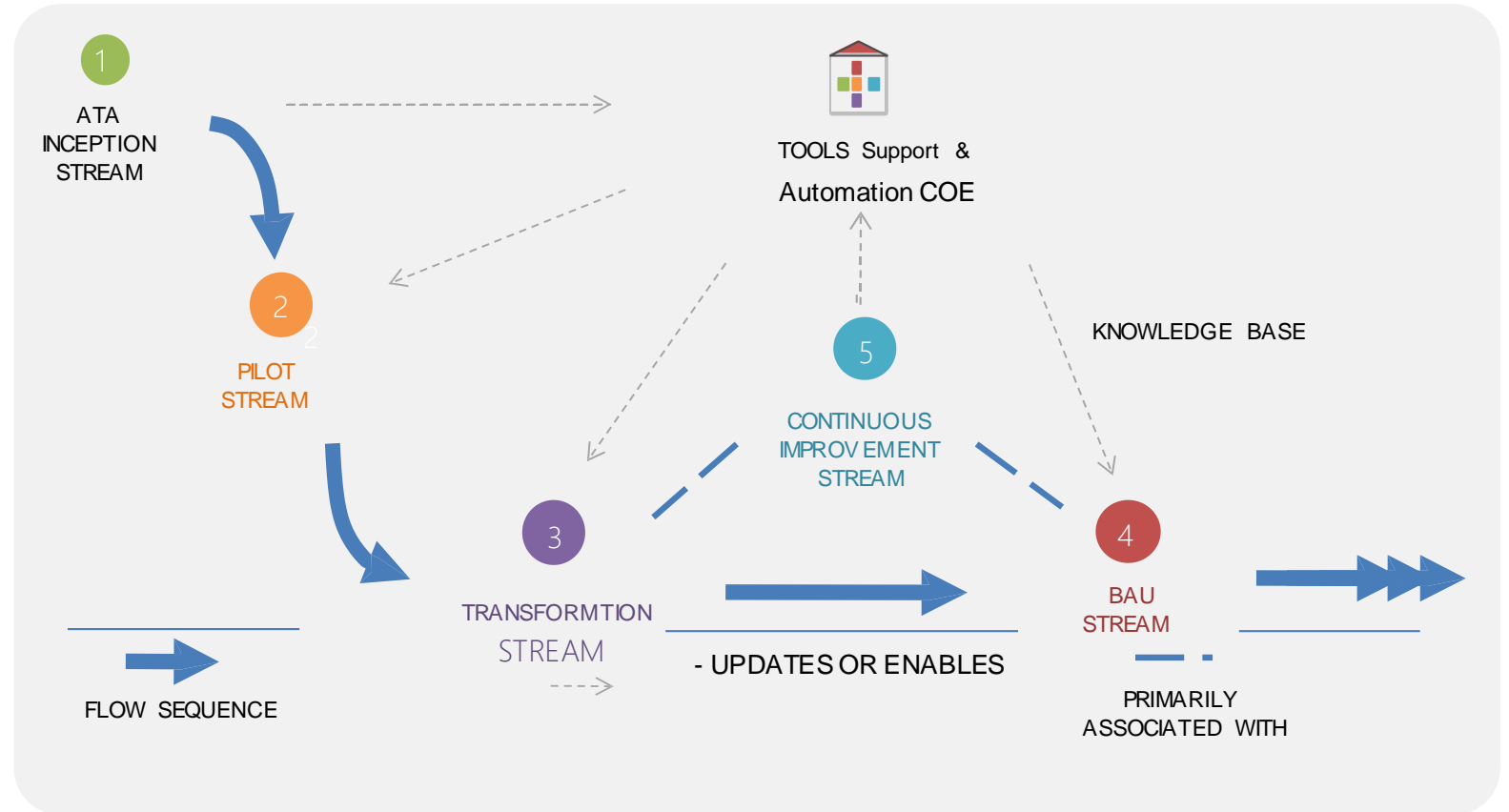
Leading Canadian multinational bank. It is the third largest bank in Canada by deposits and market capitalization. It serves more than 25 million customers around the world and offers a range of products and services including personal and commercial banking, wealth management, corporate and investment banking. With more than 88,000 employees and assets of \$998 billion (as of October 31, 2018), the bank trades on the Toronto and New York Exchanges



# Challenges

- Frequent changes in the Requirement
- 50% more test cases added to the E2E scenario which leads to extra effort for test data preparation
- Review comments provided for test cases from later version of EDD which was not published
- Manual verification of actual O/P file with the Master file of Pricing Engine
- Environment downtime
- Automated Execution and attaching snapshots in QC takes 70% more time at offshore compared to onsite time due to network issue

# Strategy and Implementation



# Strategy and Implementation

- 1
  - Understand the concept of design automation
  - Understand the applicability on technology and the limitations, if any
  - Identify the possible targeted areas that can be automated
  - Initiate the pilot plan for ATA

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- 2
  - Understand the Functional Testing requirement
  - Define the target state Maturity
  - Finalize the set of Functional flow to be modelled along with test optimization objectives
  - Undertake identified pilots and publish the outcome

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- 3
  - Full fledged ATA Implementation for app. releases
  - Standardize the models in line with BIAN 3.0
  - Define / tailor models for the apps under each of the releases, as required
  - Identify the reusable components

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- 4
  - Steady state or Business-as-usual operation of the E2E Automation including ATA

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- 5
  - Continuous focus on improving designing and reusable model



## Impact

- Enabled high Test case reusability (ATA)
- Enabled Test Data reusability (80% automation coverage for application like IP,EDGE,SBBIS, SOL, MOBILE)
- Scripts created for grading and attaching snapshot saves 50% of manual work
- Standardized uniformity across test cases (with 100% traceability & Coverage)
- Optimised Test Suite generation
- Created Knowledge Base Repository, enabling less dependency on SMEs
- Overall 30-40% Reusability from existing models, leading to Faster Test Design
- Test design Saving of 25-30% enabled Test Execution efforts saving (due to Optimised Test Suite) of 25-30%



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Advantage

- Reduced Testing cycle time by more than 98%
- 100% Automation test coverage
- 70% reduction in manual execution
- Can be used for web services testing on any application irrespective of customer

# Thank you

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