



Mindtree

A Larsen & Toubro Group Company



Automated Headless Testing Solution

Welcome to possible



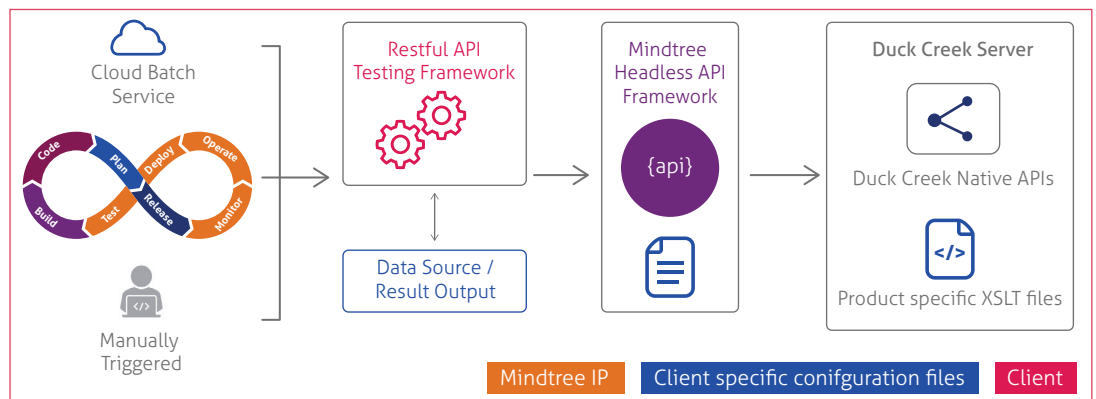
Features of Duck Creek Headless Test Solution Framework:

- To overcome the limitations of Duck Creek TAC, Mindtree recommended **API-driven test automation for Duck Creek suite** leveraging its **Headless Testing Framework**.
- This is a **web API-based REST full framework built on the Cumulus standard** which can be integrated with any test automation and test data management tool.
- Can be leveraged to validate rate changes, template upgrades, premium validation (till coverage level), forms comparison, and downstream validation.
- This headless solution can be used to integrate Duck Creek core engine with any front-end system through RESTful API and work Express Independent.
- It can be integrated with any DevOps Solution (Jenkins, Octopus, etc.) and get triggered from there to enable post-deployment regression validation.
- Maximum reusability across LOB post initial implementation with a pre-built API, supported through XML and JASON and consuming multiple source data formats.
- Accelerated quality solution for time travel testing of the billing business function without needing a specific time travel server instance.



Integrate Headless Test automation integrated with Duck Creek Test Automation Framework (DTAF)

Headless Testing Framework



DTAF

Test Case
End Point URL
Parameters

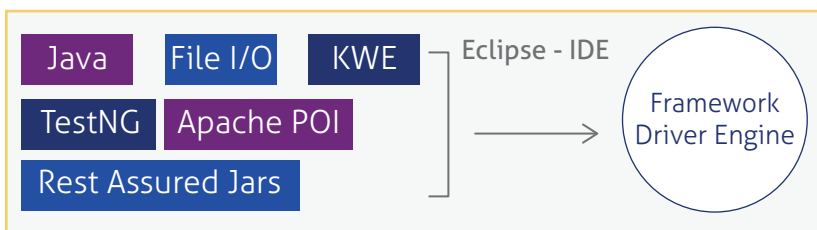
Test data

Request XML/JSON

Request XML/JSON

Execution

Results





DTAF features

- **Data-driven test automation framework** built on Selenium Java.
- Supports **UI, API, web-service, and mobile automation**.
- Supports **multi-browser and can be integrated with any test data management solution**.
- Test result dashboard (customizable), detailed execution log, and email functionality.
- Can be integrated with **CI-CD integration**.



Tech benefits of Headless Test Automation

- API-driven test automation is **extensible and can be aligned to enterprise-wide test strategy**.
- **Faster test cycles with minimal manual intervention** can run unattended and provide a detailed breakdown of errors.
- **Pre-defined XSLT schema** can be leveraged for faster product rollouts.
- **Built on Cumulus architecture** which is future-proof and also has backward compatibility.
- Can support **multiple insurance products with minimal configuration changes**.
- Can be **triggered through any automation frameworks** (Ready API, Katalon, etc.) and integrated with CI/CD pipelines.



Business benefits of Headless Test Automation

- UI over Express independent can be integrated with any test automation framework.
- Exhaustive and accelerated rating regression for product rollout of ISO circular updates (also helps eliminate hotfixes).
- Ability to do API-driven form comparison and query the database to reconcile data.
- Reduced manual effort for script maintenance and updates to ensure quality by API-driven testing.
- Approximately **75-80%** of effort savings. It accelerates the schedule for multiple iterations within sprint and embed quality with less manual intervention.

About Mindtree

Mindtree [NSE: MINDTREE] is a global technology consulting and IT services company that enables enterprises across industries to drive superior competitive advantage, customer experiences and business outcomes by harnessing digital and cloud technologies. A digital transformation partner to more than 275 of the world's most pioneering enterprises, Mindtree brings extensive domain, technology and consulting expertise to help reimagine business models, accelerate innovation and maximize growth. As a socially and environmentally responsible business, Mindtree is focused on growth as well as sustainability in building long-term stakeholder value. Powered by more than 35,000 talented and entrepreneurial professionals across 24 countries, Mindtree — a Larsen & Toubro Group company — is consistently recognized among the best places to work.