

HCL

HCL PEAK™ Test Automation Framework

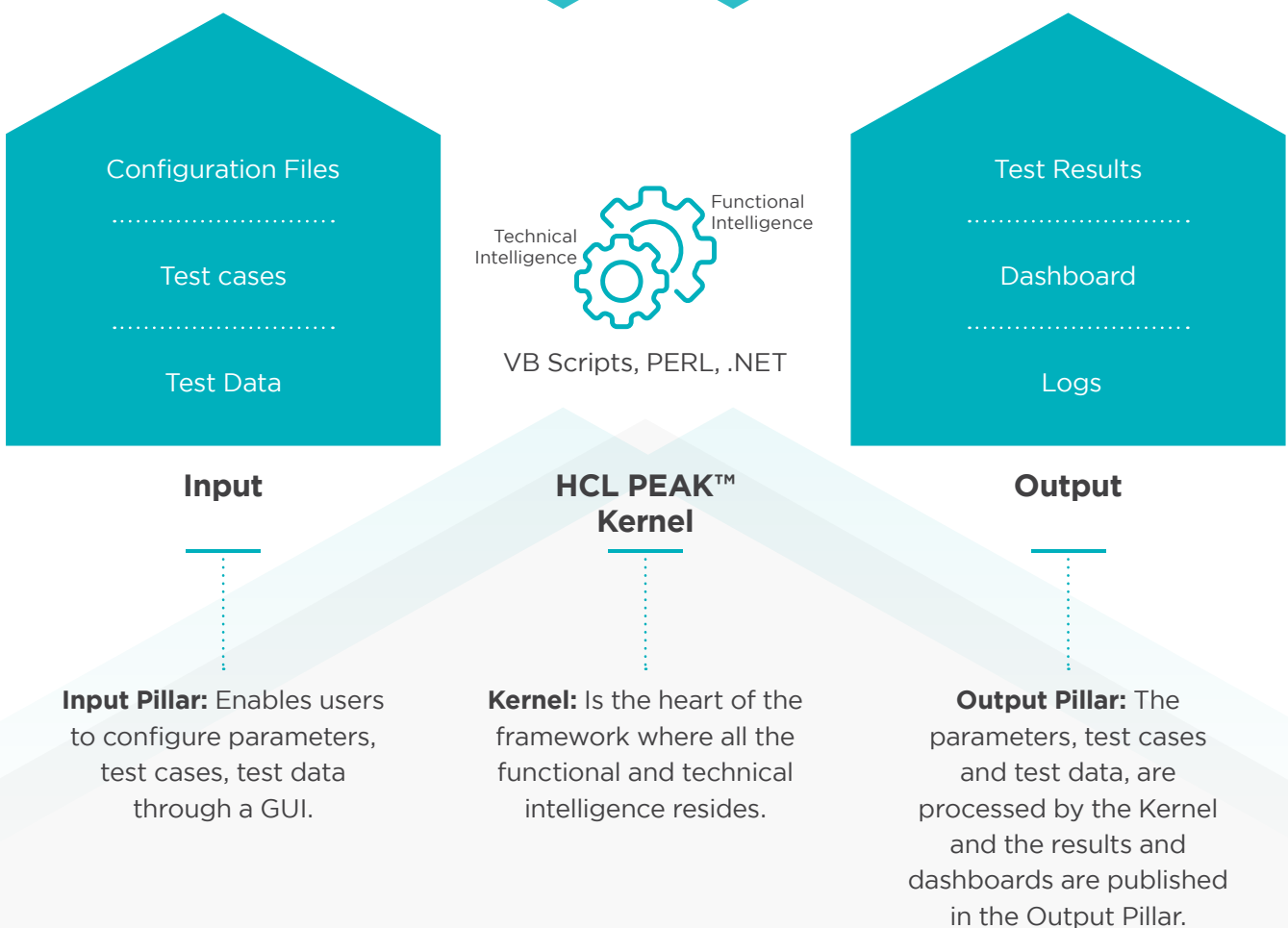


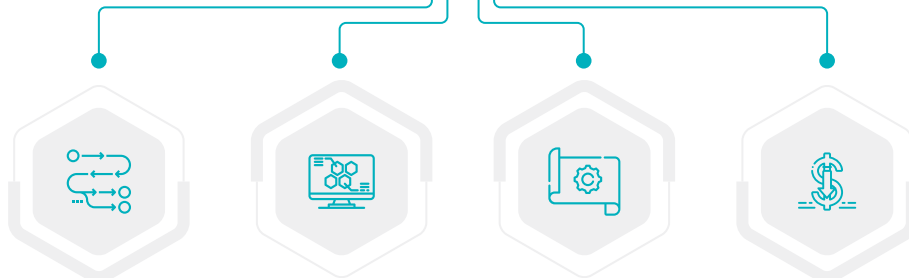
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Overview

HCL PEAK™ is a business testing framework for automation testing specifically built for Finastra, Guidewire and Avaloq products.

It offers a scalable solution which will help in automation of regression testing and compares the test outputs using its unique comparison module.





Built-in functional and technical intelligence to handle product specific flows

Over 5000 Test cases across products readily available

Successfully implemented for large banks on Loan IQ Summit, Opics.

HCL's customers have benefitted in reducing regression testing cost up to 60% over 2 years

Product Features



Functional

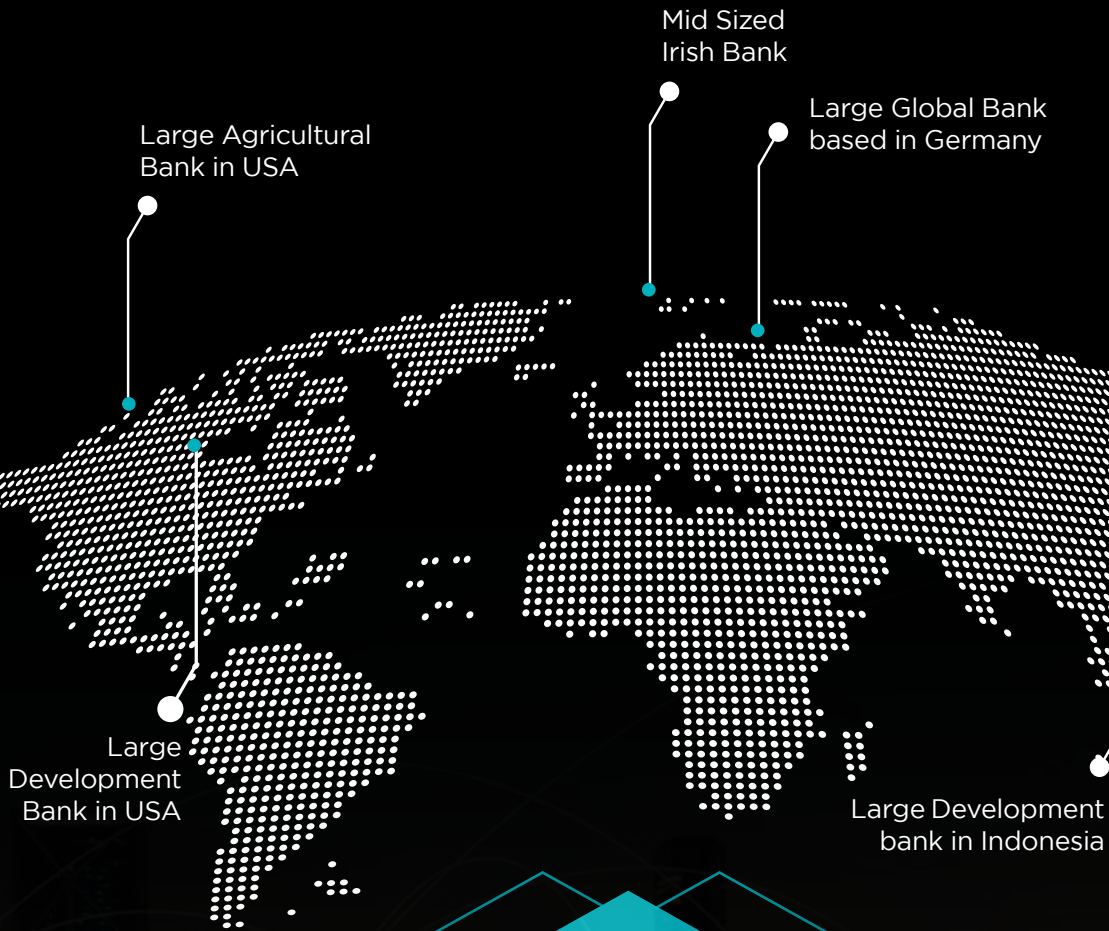
- Multiple product version support
- Test Case Library (5000 plus test cases across various products)
- Auto login to Application
- GUI Screen Testing



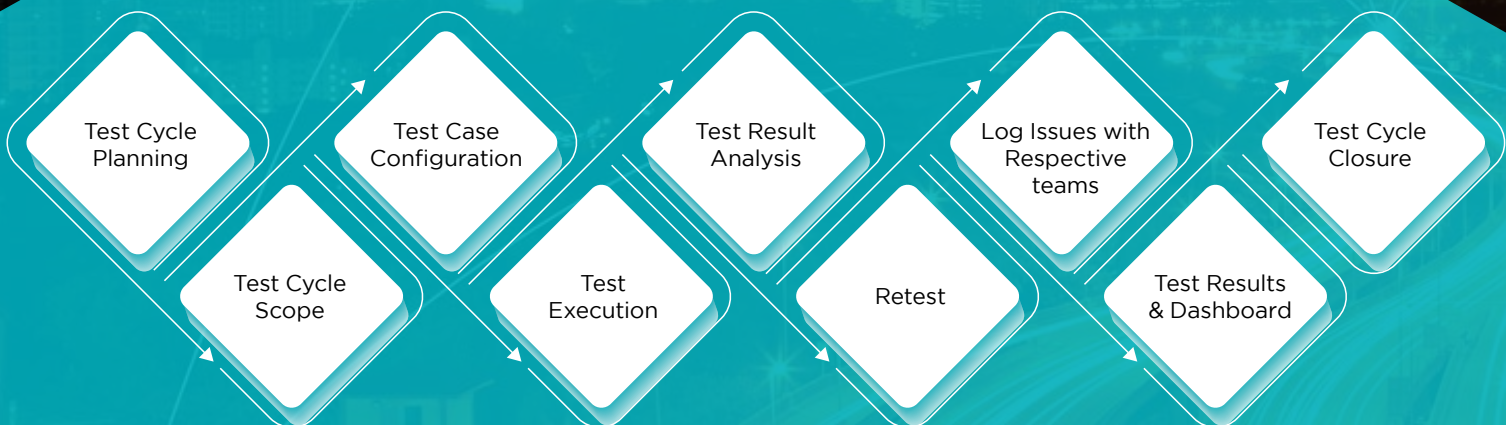
Technical

- Support Multiuser tests
- Reports comparison & Dashboards
- Supports ALM Integration for uploading test results, update execution status, defect creation
- Accepts both positive & negative cases
- Execution report with charts available in tool without ALM
- Error Handling, screenshots & logs

Clientele



TaaS using HCL PEAK™



Testing as a Service

Case Study

A large agriculture bank in USA

Large Agriculture Bank in USA, is dedicated to serving the agricultural credit, risk management and financial needs of farmers and ranch operators across the United States. Suppliers of the nation's agricultural industry with nearly one-third of its credit needs.



Objectives

Project objectives

- HCL PEAK and Automation of 250 test cases by HCL in client environment of the Loan IQ product
- Automate 250 test cases in 10 weeks for Loan IQ for various modules like Customer, Deal, Facility, Outstanding, Payments and Wizard



HCL Approach

Operating model

- HCL PEAK consultant and Loan IQ Functional Consultant
- Project duration was for 10 weeks and Continued support for 3 years

Key issues

- Creation of Test Cases for the migration support and for future testing of patches

HCL's approach to solving the problem

- Implementation of HCL PEAK 1.5 in client environment
- Provide functional test case workflows
- Comparison of Loan IQ GL entries Post Automation using SQL Validation utility
- Creation of custom test cases using user test case utility
- Creation of keywords through the UI and use the same for the custom test cases



Impact

- Specialized skills in testing and creation of test cases based on client scenarios
- Reusable test packs readily available for multiple runs of test data for the purpose of batch execution
- XML framework provides faster performance in terms of input, process and output of automation scripts and test data
- Reduced timelines and cost benefits
- Reduced the time and cost of testing by 60% and 40 % respectively
- Validation points for verifying the test results

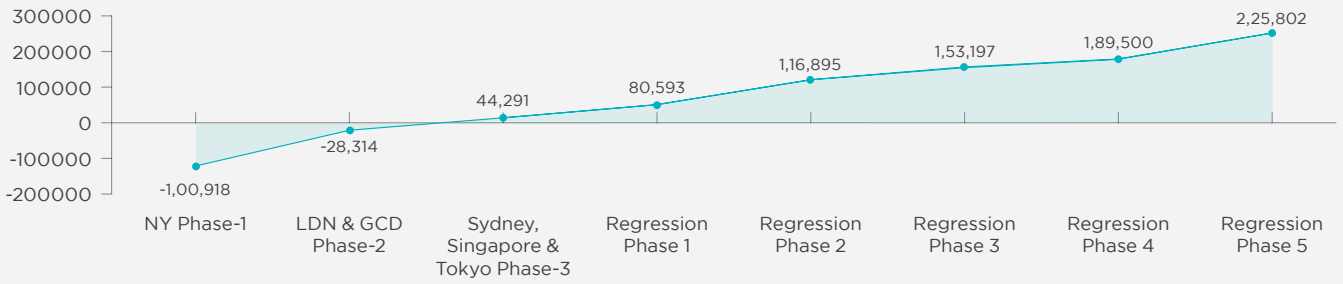
Case Study 2 - 60% savings on regression cost using HCL PEAK

Summit consolidation automation status report

Project Start Date	Project End Date	Duration in days	Total Test Cases
14-Feb-14	05-Dec-14	211	1379

Phases	Total Test Cases	Automated	No. of Cycles	Pre Automation Effort	Post Automation Effort	Effort Saving in Days	Invest. On Automation in Days	Effort Saving Cumulative in Days	ROI in Euros
NY Phase-1	1379	1379	2	172	75	98	513	-415	-100918
LDN & GCD Phase-2	1379	1379	4	345	46	299	0	-117	-28314
SYD, SNG & TKY Phase-3	1379	1379	4	345	46	299	0	182	44291
Regression Phase 1	1379	1379	2	172	23	149	0	332	80593
Regression Phase 2	1379	1379	2	172	23	149	0	481	116895
Regression Phase 3	1379	1379	2	172	23	149	0	630	153197
Regression Phase 4	1379	1379	2	172	23	149	0	780	189500
Regression Phase 5	1379	1379	2	172	23	149	0	929	225802

ROI in Euros



Manual

16
TCs/Day/Person



Initial Automation Phase

80
TCs/Day/Person

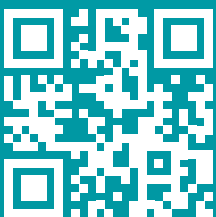


Subsequent Automation Phases

120
TCs/Day/Person



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HCL Technologies (HCL) empowers global enterprises with technology for the next decade today. HCL's Mode 1-2-3 strategy, through its deep-domain industry expertise, customer-centricity and entrepreneurial culture of ideapreneurship™ enables businesses to transform into next-gen enterprises.

HCL offers its services and products through three lines of business - IT and Business Services (ITBS), Engineering and R&D Services (ERS), and Products & Platforms (P&P). ITBS enables global enterprises to transform their businesses through offerings in areas of Applications, Infrastructure, Digital Process Operations, and next generation digital transformation solutions. ERS offers engineering services and solutions in all aspects of product development and platform engineering while under P&P. HCL provides modernized software products to global clients for their technology and industry specific requirements. Through its cutting-edge co-innovation labs, global delivery capabilities, and broad global network, HCL delivers holistic services in various industry verticals, categorized under Financial Services, Manufacturing, Technology & Services, Telecom & Media, Retail & CPG, Life Sciences, and Healthcare and Public Services.

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