

Achieve Application Modernization Through Deep Automation



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Apps Modernization Introduction



Apps modernization - HCL overview

pool in legacy technologies

The digital world has offered large businesses a chance to operate in a more dynamic environment, but they are often held back by legacy systems. Enterprises worldwide have a wealth of application logic and capabilities that are core business assets, with time-tested industrial strength. However, the digital economy has unleashed an era of innovation, driven by consumerization and relentless disruption with the advent of niche players and powerhouses in most verticals

For businesses to thrive today, it is imperative for them to drive change with application modernization. This results in significantly higher agility, often inhibited by legacy systems. Some of the key challenges with legacy systems are :



HCL's biggest strength, when it comes to legacy application modernization, is our ability to integrate several of our distinct capabilities formed over decades of experience. These capabilities are powered by automated tools that are built for automated code generation, and forward engineering-based legacy revitalization. Our other key capabilities include cloud assessment based on machine learning, migration and applicationre-engineering.

Solutions



Solutions



Prizm

Tool for generating insights around technical debt and functional fitment across applications, infrastructure, databases, and underlying infrastructure. Led by a business capability assessment approach to help define the right-fit modernization and migration strategies.

Advantage modernize

A framework for transformation of applications from various states of legacy, technical & functional debts to modern state through a multitude of automation led treatments and cloud migration, to fit the context of the applications and achieve business goals.

Advantage cloud









Services



We are helping define the future of industries



We are invested in the future of application modernization with our partnership ecosystem, solution offerings and co-innovation labs



Diet pathways for application modernization



Diet pathways for modernization & migration deep dive extend

Keeping the lights on by adopting portfolio optimization and decommissioning strategies



Pricing models



Diet pathways for modernization & migration deep dive disrupt

Tool based approach for migrating code from legacy architectures or infrastructure to modern state and apification



Pricing models



Diet pathways for modernization & migration deep dive innovate

Using disruptive technologies on-premise or cloud platform to deliver new business capabilities





Diet pathways for modernization & migration deep dive transform

Using disruptive technologies on-premise or cloud platform to deliver new business capabilities



Pricing models



Advantage modernize-powered by ATMA

Legacy application stacks





(70-80% ready code, needs manual effort for 100% readiness)





Reliable



Economic



Extendible





No lock-In

ATMA provides architecture transformation and delivery automation

ATMA helps to accelerate modernization of your legacy system applications to modern architecture and platforms. ATMA-based approach helps to achieve transformations at scale and deliver customized solutions in short duration at lower cost with minimum risk



ATMA - tools

Modernization engine

- Automated code conversion
- 70-80% effort savings in code phase
- Multi-tier architecture on modern platform, scalable, extendible and high performing



Our application modernization process powered by ΑΤΜΑ



• Performance & scalability

testing

Benefits delivered by Automated Technology Modernization Accelerator (ATMA)



Improvement of time to market



Reduction of effort & cost



AMS productivity improvement



Digital transformation



User experience



Process automation



Containerization



Modern/micro-services architecture



Cloud migration





Case study-migrate from legacy VB platform to JAVA for a leading manufacturing organization in US

Key strategic imperatives

The organization had their core Kitting systems and several other satellite systems built on legacy Visual Basic platform, imposing the following challenges

- Microsoft withdrew support for VB platform effective 2008 & these systems are currently maintained on unsupported technology platform
- The organization's global IT declared VB as a toxic platform, leading to non-compliance to IT blueprint
- Inflexible architecture, fragile platform with several version compatibility issues during platform upgrades resulting in higher implementation & maintenance costs
- Non-availability of adequate skills in the market for maintenance of the systems due to technology being outdated
- Extendibility and integration with other enterprise systems/central systems to enable multichannel support and STP

HCL Solution

- Automated Technology Modernization Accelerator (ATMA) approach to modernize from legacy VB platform to Dot Net
- Re distribution of the core building blocks to multi-tier architecture so that it is extendable, scalable and maintainable
- Re-Platforming of Clear Orbit Integration aligning to modern platforms

Outcomes





Cost saved \$30,000 – interface using telnet. License cost & recurring yearly renewal cost \$3000

- Cost saved \$10,000 3rd party s/w license cost and yearly recurring license renewal cost
- Tier architecture (presentation, business and data)



Delivered in 50% less time







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.

Life Sciences division of HCL Technologies helps Pharma, Biotech, Medical Devices and CROs reimagine their businesses for the digital age through integrated portfolio of products, solutions, services. Our 10,000+ Life Sciences Ideapreneurs across 43 countries deliver innovation for over 80% of world's leading Life Sciences companies in Research, Clinical, Regulatory, Safety, Commercial, Patient Services, Supply Chain, Manufacturing, Enterprise and IT Management. Our solutions are built around digital, IoT, cloud, automation, cybersecurity, analytics, infrastructure management, and engineering services, among others. Over the years, our Veeva practice along with our subsidiary C3i Solutions' Veeva practice has been working with our clients for many leading transformational and run-the-business initiatives. Contact us at contact.lsh@hcl.com

As a leading global technology company, HCL takes pride in its diversity, social responsibility, sustainability, and education initiatives. As of 12 months ending on June 30, 2020, HCL has a consolidated revenue of US\$ 9.9 billion and its 150,000 ideapreneurs operate out of 49 countries. For more information, visit www.hcltech.com