

DXC Technology Applications Modernisation

G-Cloud 15:
Service Definition Document

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1 Company Overview

DXC Technology is a Fortune 500 global IT services leader. Our more than 130,000 people in 70-plus countries are entrusted by our customers to deliver what matters most. We use the power of technology to deliver mission critical IT services across the Enterprise Technology Stack to drive business impact. DXC is an employer of choice with strong values, and fosters a culture of inclusion, belonging and corporate citizenship.

We deliver the IT services our customers need to modernise operations and drive innovation across their entire IT estate. We provide services across the Enterprise Technology Stack for Business Process Outsourcing, Analytics and Engineering, Applications, Security, Cloud, IT Outsourcing and Modern Workplace.

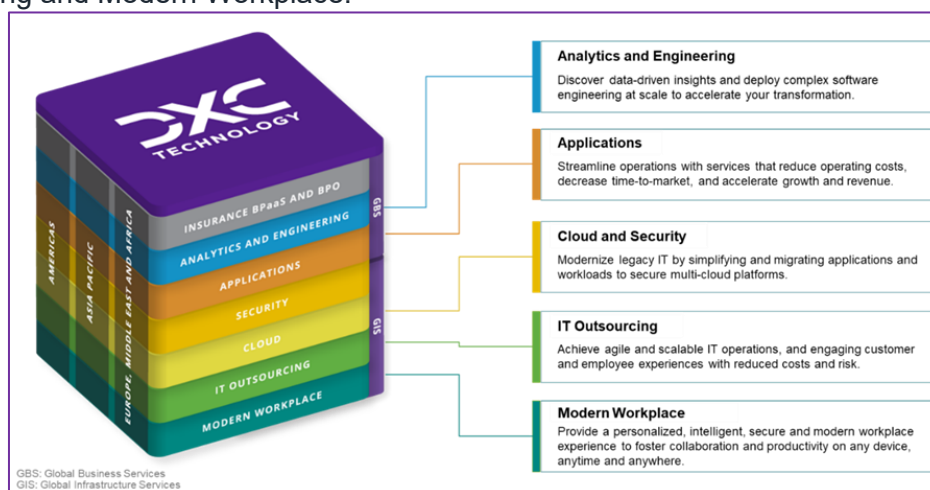


Figure 1. DXC Technology stack

Every day, we earn our customers' trust by delivering transformative technologies to ensure the success, safety and well-being of businesses and people worldwide. Our globally connected centres enable us to solve complex technology challenges and transform our customers' businesses through our dedicated delivery workforce.

With globally distributed teams and rich engineering skills, DXC offers competitive solutions to address customers' cost, regulatory, language and business continuity requirements. We leverage the power of partnerships through our curated DXC ecosystem of technology leaders. By combining strengths and expertise globally, we create solutions and deliver greater outcomes for customers across the Enterprise Technology Stack.

Our values are the fabric of DXC. They bind us together regardless of where or how we work and position us to succeed on our transformation journey:



2 DXC Application Modernisation

- Enables organisations to reshape legacy applications and data for digital transformation.
- Focuses on reducing technical debt, increasing agility, and improving resilience.
- Application and data-led approach, not just infrastructure migration.
- Uses the DXC Modernisation Studio: a platform with automation, insight modules, and repeatable processes.
- Ideal for clients who need to:
 1. Flatten technical debt and reduce legacy portfolio costs.
 2. Increase release velocity and time-to-value.
 3. Modernise mainframe and mission-critical workloads.
 4. Achieve measurable sustainability and ESG benefits.

• Key Service conditions

- Delivered by dedicated software development squads, scalable as required to meet programme and business needs
- Flexible delivery models: on-shore, mixed, or off-shore teams.
- Pricing is monthly; other engagement options available via SFIA rate card.

• Why DXC?

- **DXC has years of experience in the UK Public Sector** – with a very strong public sector heritage across:



• Experience and skills

- Dedicated modernisation team
- Technology focus areas
- Largest independent mainframe services provider in the world. Deep understanding of mission critical. 52 mainframe data centers. 200 mainframe migrations completed
- Organisational experience
 - Engagement models
 - Infrastructure & capability landscape
- Project experience
 - Track record
 - Successful implementations & migration

- **Intelligence engine** – Rapid ML engine of 1.1M applications processed through the Studio for evergreen benchmarking. Leverage patterns from hundreds of major clients.
- **Automation IP**
 - DXC Modernisation Studio: 29 microservices codified as rich intellectual property to automate and expedite modernisation.
- **Insight IP**
 - Complexity elimination through Gordian Knot DXC Studio module to simplify estate and reduce barriers to modernisation.
- **Accelerator IP**
 - Patented QTE™ Quick Transformation Engine to convert mainframe and AS/400 code to Java at 50% time.
- **Speed of execution** – Data driven evergreen benchmarking and automation IP help customers make smart decisions fast, reducing analysis time and compressing execution schedule.

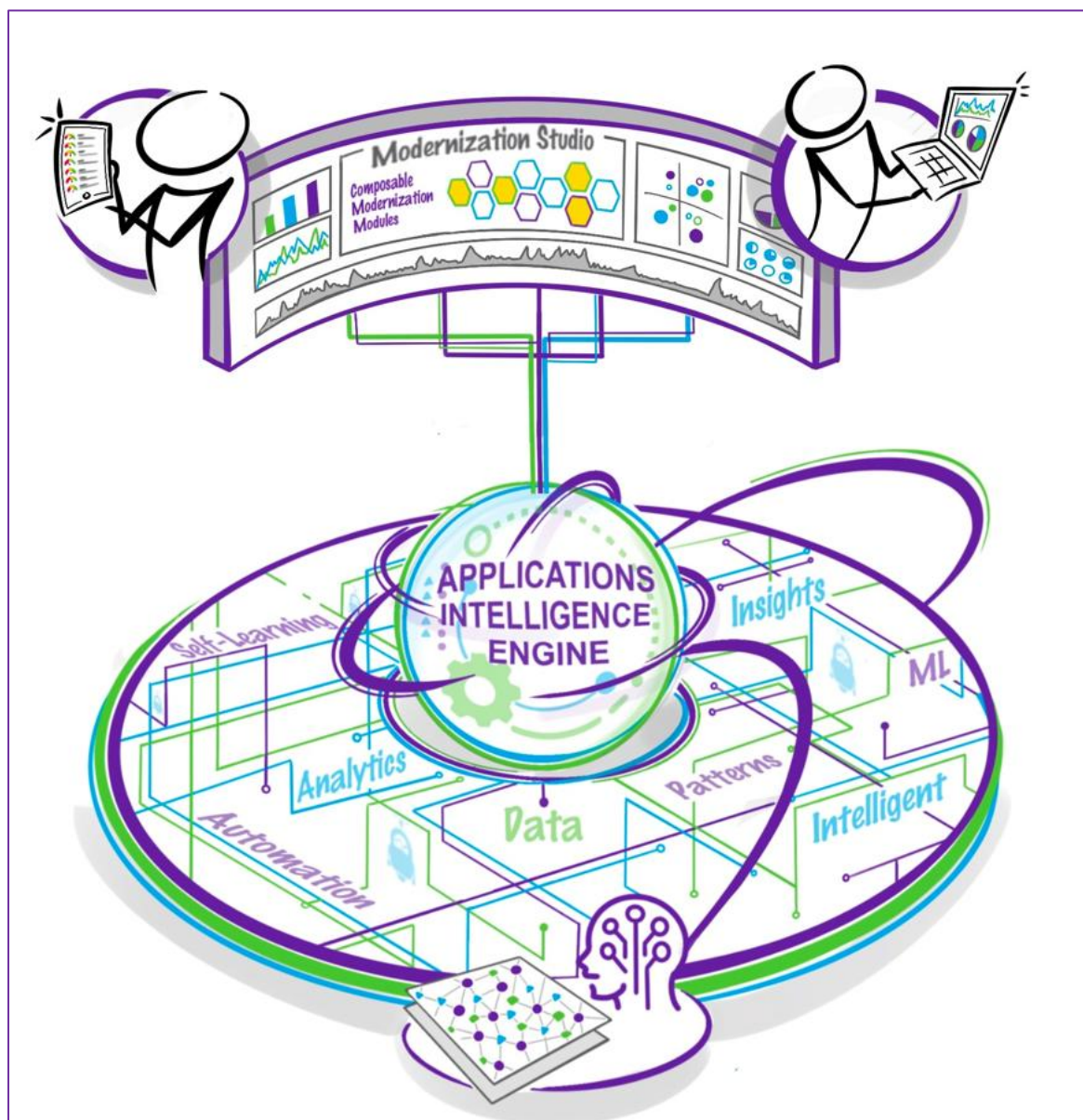


Figure 2. DXC Application Modernisation Platform

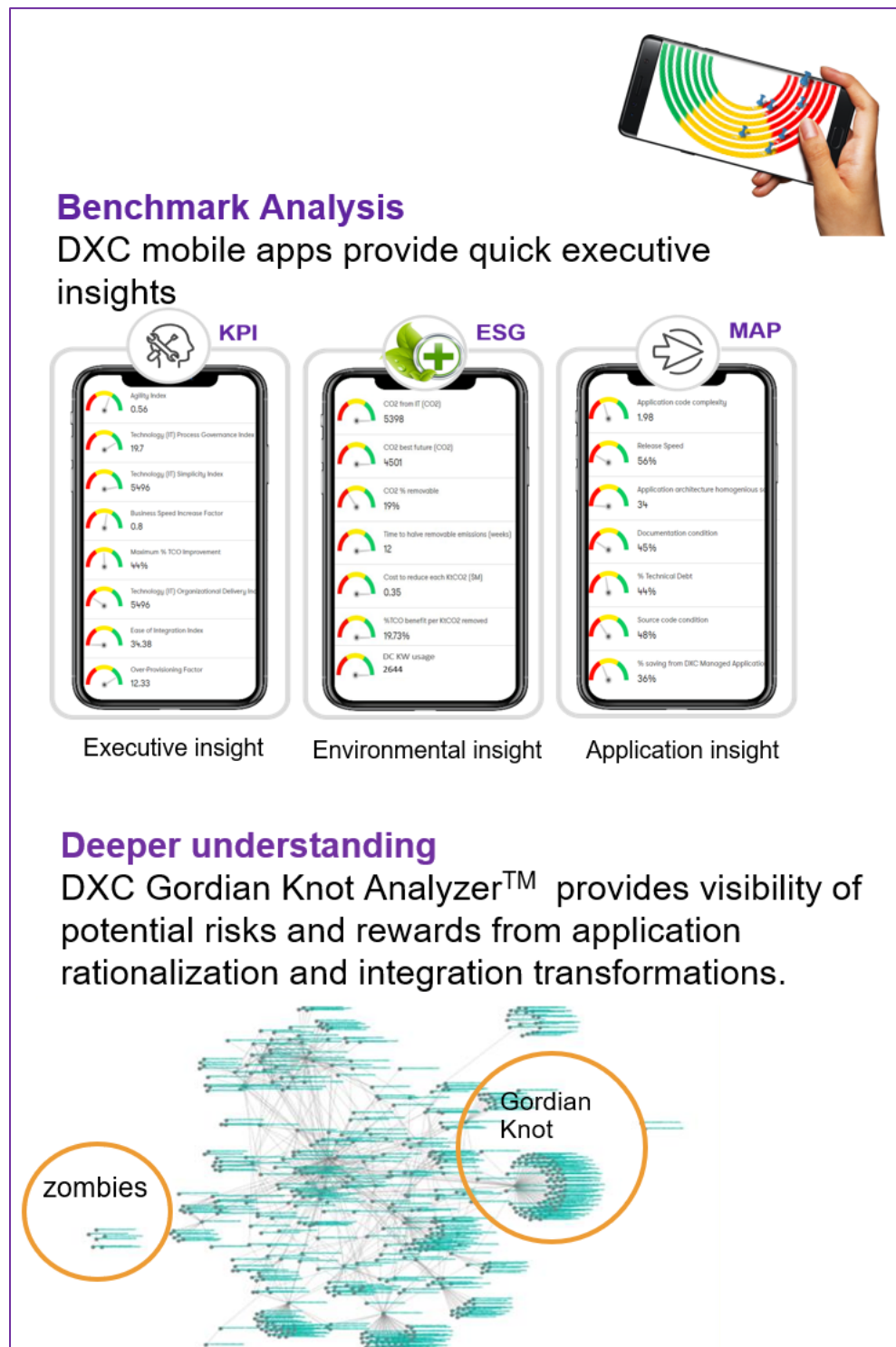


Figure 3. Benchmark Analysis and Deeper understanding

3 Service Overview

Application Modernisation is a comprehensive approach to transforming legacy applications and infrastructure to meet modern business needs. The service focuses on improving agility, reducing technical debt and optimising cost through structured modernisation strategies. It encompasses three core capability areas:

Application Advisory

Provides expert guidance and analysis to define modernisation strategies:

- Application Transformation Accelerator Workshop
Diagnostic sessions to assess KPIs, ESC, MAP, and ITMF.
- Applications Analysis
Benchmarks, internal discovery, heat maps, rationalisation, and DevOps readiness.
- Technical Debt Factory
Identification and simulation of technical debt impact.
- Application Rationalisation
Optimise TCO, analyse business processes, and map application services.

Mainframe Modernisation

Modernises mainframe applications to reduce risk and improve efficiency:

- QTE Assessment
Evaluate current code and identify uplift opportunities.
- Mainframe Human Discovery
Heat maps, readiness analysis, and modernisation recommendations.
- Mainframe Remediation
Automated code conversion, refactoring, and risk mitigation.

Application Modernisation Factory

Delivers modernisation treatments and new service enablement:

- Modernisation & Transformation Framework
Includes Redactor, Rewrite, and Re-wire strategies.
- Application Modernisation Factory
Powered by Applied App Intelligence and DevOps Factory Fabric.
- Provision Application Architecture
Design and deploy modernised application architectures.
- Create New Service
Development, enablement, and deployment of new services.

Applied Application Intelligence

Automation and knowledge-driven insights to accelerate modernisation:

- **Business Insight**
Benchmarking, agility optimisation, cost reduction, ESG alignment.
- **Application Insight**
Landscape rationalisation and technical debt value proposition.
- **Infrastructure Insight**
Cloud migration, lift-and-shift enablement, and technical debt reduction.

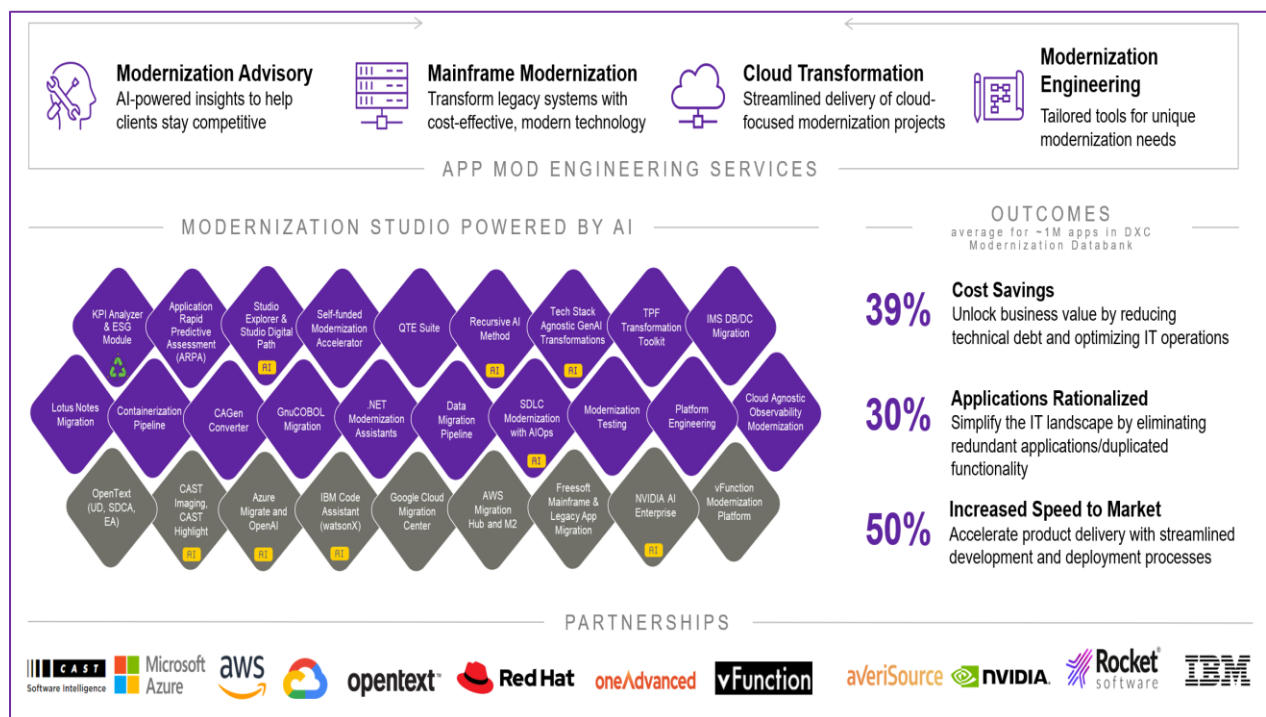


Figure 4. DXC Applications Modernisation

4 DXC Application Modernisation Approach

Modernisation is not just a technology upgrade—it's a strategic business initiative. Great digital companies recognise that modernisation must align with overall business objectives to deliver measurable value. DXC's approach ensures clarity of business intent, joint sponsorship between IT and business, and prioritisation of initiatives that maximise business outcomes.

Key Principles:

- Modernisation starts with the business, not technology.
- Clear business intent acts as the north star for decisions, investments, and organisational change.
- DXC leverages its Application Modernisation Platform and automation IP to accelerate transformation and deliver competitive advantage.

Six Stages of DXC Modernisation Approach

1. Jumpstart Business Accelerator Workshop

- Purpose: Establish clarity of goals and align IT initiatives with business priorities.
- Activities:
 - Benchmark KPI analysis.
 - Value driver analysis using DXC Modernisation Studio.
 - Define modernisation blueprint and prioritised action plan.
- Outcome: Shared understanding of objectives and sponsorship from both business and IT.

2. Perform Apps Analysis and Benchmarking

- Purpose: Assess current application landscape and identify modernisation opportunities.
- Activities:
 - Evaluate technical debt and performance gaps.
 - Benchmark against industry standards.
- Outcome: Data-driven insights to guide modernisation priorities.

3. Identify Technical Debt Reduction Plan

- Purpose: Create a roadmap to reduce complexity and cost.
- Activities:
 - Categorise applications based on business value and technical health.
 - Define actionable steps for debt elimination.
- Outcome: Clear plan to optimise resources and improve agility.

4. Re-engineer Enterprise Architecture

- Purpose: Align architecture with future-state business and digital goals.
- Activities:
 - Design scalable, cloud-ready architecture.
 - Integrate modern platforms and automation.

- Outcome: Foundation for sustainable modernisation and innovation.

5. Execute Modernisation Engineering

- Purpose: Implement modernisation initiatives using proven methodologies.
- Activities:
 - Refactor, re-platform, or replace applications as per strategy.
 - Automate processes for speed and quality.
- Outcome: Modernised applications delivering enhanced performance and security.

6. Launch Modernised Services

- Purpose: Deliver business agility and measurable outcomes.
- Activities:
 - Deploy modernised applications into production.
 - Monitor performance and optimise continuously.
- Outcome: Increased competitiveness, improved user experience, and reduced operational risk.

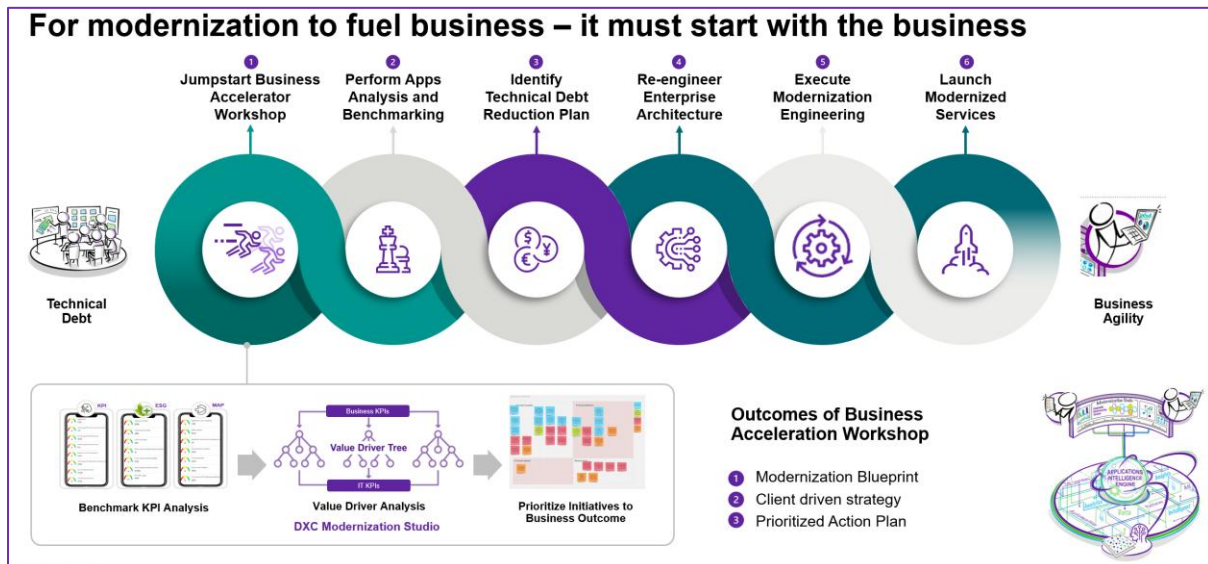


Figure 5. Applications Modernisation – DXC Approach

5 Benefits of DXC's service

DXC offers an independent view for engineering and is tool and vendor agnostic. Our continuous innovation and differentiated solutions maximise the value we provide to organisations. Following are the typical business challenges and needs that our clients face, and corresponding DXC solutions that were implemented, and benefits achieved.

Benefits of DXC's service

Business Challenges and Needs	DXC Solutions and Benefits
Reduce Costs • High operational costs for legacy systems • Technical debt accumulation • Redundant and overlapping applications • Expensive infrastructure/licensing	Solutions • Technical Debt Factory • Application Rationalisation • Cloud-native assessment • Automation IP • Migration Factory • Containerisation & Orchestration Benefits • Up to 39% cost savings from technical debt reduction • Reduced infra/licensing overhead • Streamlined operations • Faster delivery at lower cost • Retire redundant applications (up to 30%)
Quality • Inconsistent performance and reliability • Frequent incidents and outages • Lack of end-to-end visibility • Brand and customer experience risks	Solutions • Agile Modernisation Factory • DevOps Factory Fabric • Testing Automation Planner • Observability & alerting • Benchmark Analysis Benefits • Higher release quality • Fewer incidents • Consistent customer experience • 99.88% successful modernisations
Growth/Agility • Slow time-to-market for new features • Difficulty scaling and evolving apps • Limited developer productivity • Barriers to digital transformation	Solutions • Business Accelerator Workshop • Modernisation Blueprint • Microservices adoption • API & Integration Discovery • Event-driven scale • Sprint Teams

Business Challenges and Needs	DXC Solutions and Benefits
	Benefits • Rapid feature delivery • Elastic scale • Improved developer productivity • Up to 50% increased speed to market
Risk/Compliance • Security skills shortage • Complex regulatory requirements • Multi-cloud governance challenges • Audit and compliance gaps	Solutions • Zero Trust/IAM • Compliance-as-code • Security testing • Audit-ready pipelines • ESG Module • Mainframe Modernisation Benefits • Reduced exposure • Standardised controls • Continuous compliance posture • Audit evidence automation
Complexity & Legacy • Large, monolithic systems • Proprietary or aging technologies • Resource constraints for modernisation • Poor visibility into dependencies	Solutions • Gordian Knot Analyzer • Mainframe Human Discovery • Automated code conversion (QTE) • Factory-based migration • Knowledge Bank Benefits • Simplified IT landscape • Accelerated migration • Minimised risk and migration duration • Unlock business value and agility
Business Alignment • Need for business-driven modernisation • Lack of clear business intent • Misaligned IT and business priorities	Solutions • Business Acceleration Workshop • Value Driver Analysis • Prioritised Action Plan • KPI Benchmarking

Business Challenges and Needs	DXC Solutions and Benefits
Funding and sponsorship challenges	Benefits - Modernisation aligned to business outcomes - Improved sponsorship and funding - Measurable business value

6 Case Studies

AI-Powered Card Account Management Modernisation for One of the World's Largest Banks

Accelerating modernisation with GenAI

DXC used AI-assisted Assembler to Java conversion to expedite modernisation. Leveraging AI for docs, test cases, microservices development, and initial Java code generation. This approach was the only viable option and significantly reduced migration efforts.

60% Less effort

100% Documentation Coverage

Banks Business Centric Modernisation and Cloud Enablement

Re-architected Surety Bond Applications

Modernised surety bond portfolio applications and created a Bond platform which is scalable, secure, future-proof for business agility and provides a frictionless user experience for brokers.

\$82+B Commercial surety bonds processed annually

99% Reduction in broker API processing time

Migration from Mainframe to Cloud

Core Banking Platform Re-engineering

Unlocked digital transformation for top-tier global banks by providing a migration and cloud transformation solution for a high-performant, reliable and mission critical legacy core banking platforms.

275M Cards processed daily for 475 banks

250M Customer deposit accounts

Monolith Migration to Microservices in Cloud

eCommerce Platform Transformation and Modernisation for one of the World's Largest and Fastest Growing Retail Chains

The strategic solution was to transform the eCommerce landscape into a single global Azure Cloud eCommerce platform.

3300 hosts

5000 Requests per second

300 Micro and macro services

Migration from Mainframe to Linux with GNU Cobol

Electrical Engineering Configuration Control Modernisation for a large Aerospace Manufacturer

Other providers wasted 20 years on trying and failing to solve the problem, which DXC managed to solve in just 3 years.'

90% TCO reduction

\$10M+ Costs reduction annually

300 Micro and macro services

Technology Modernisation, Code Conversion and Cloud Migration

End-to-end Core Administration System Modernisation for the Largest US Dental Healthcare Payer

Helped a client save hundreds of millions \$ by revamping core back-end claims processing system to next generation, thereby unlocking digital evolution of the whole customer application landscape.

66+ Applications for Cloud migration

1000 Claims processed per second