

X-Modernize AI[®]

AI-Powered IBM i Application Modernization

A Fully Automated Approach to Modernizing Complete IBM i Applications Using Agentic AI

Fresche's third-generation RPG/Synon to modern languages (e.g., Java) solution combines two decades of modernization expertise with advanced AI technology to accelerate IBM i transformations.

Get high-quality, maintainable code with 100% preserved business logic and no vendor lock-in. Achieve cost efficiency through automation, with small, progressive, and fully functional deliverables that showcase immediate progress and quick wins.

Key Features

X-Modernize AI takes a comprehensive approach to IBM i modernization that program-by-program GenAI tools just can't match.



Holistic & Accurate A-Z Application Conversion

Automatically converts entire applications by creating an intelligent and contextual understanding of every component and dependency through a deep forensic analysis.



Portable & Future-Ready Architecture

Modern architecture for on-premise or cloud platforms (e.g., PowerVS, AWS, Azure, and Google Cloud) with zero-disruptions using co-existence technology.



Faster Delivery with 100% Preserved Business Logic

Accelerated project timelines and lowered costs through AI-led automation that preserves all custom built logic over the years assuring operations continuity.



High-Quality Code & UI

Generates clean, maintainable code, and a modern UI as if written by a senior developer that is extendable with API integrations.



LLM-Agnostic Agentic AI

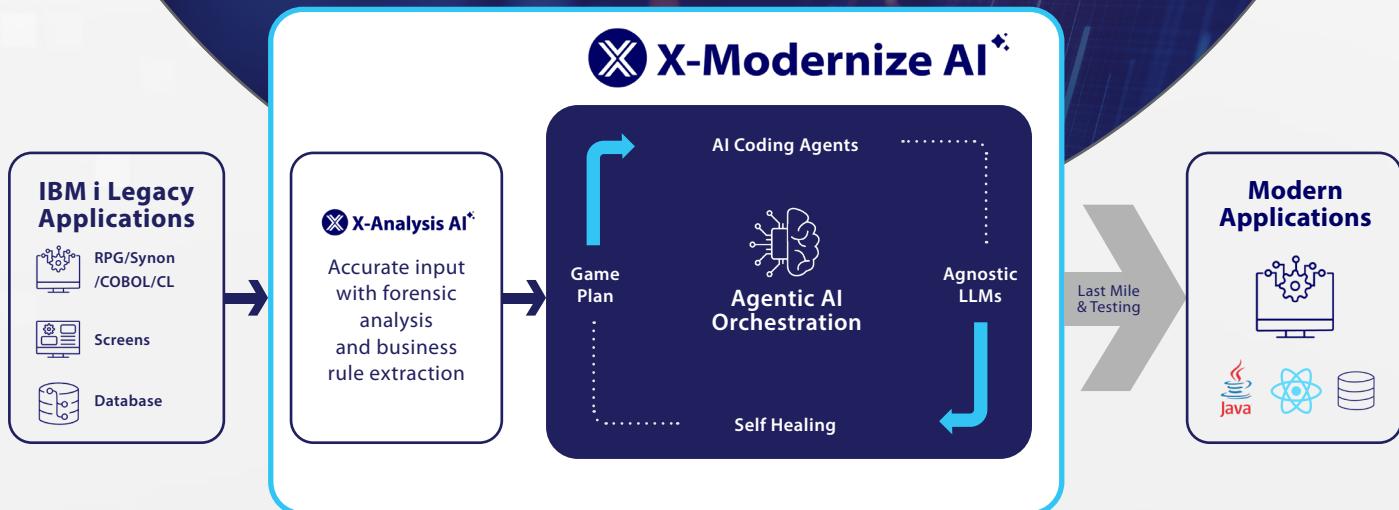
Code conversion using multiple, specialized, LLM agnostic AI agents using the best LLM for each task while constraining hallucinations and increasing code consistency.



Automated Testing Framework

Agentic AI-driven unit test framework that not only generates itself with the code, but autonomously adapts test coverage, and validates both front-end and back-end.

Fresche's AI Modernization Factory



End-to-End Modernization Approach

Fresche doesn't just convert code, we are a one-stop shop for all IBM i modernization needs. X-Modernize AI is the core component of the AI Modernization Factory that includes all necessary steps to successfully strategize, plan, execute, and deliver the project. With our subscription-based **Modernization-as-a-Service (MaaS)** delivery model, milestones are delivered iteratively in small, progressive, and fully functional chunks while minimizing operational disruptions and providing businesses full control over their spending.

Why Choose X-Modernize AI?

X-Modernize AI bridges the gap between speed and accuracy, giving organizations confidence that modernization can be both intelligent and sustainable.



Save Costs

AI automation expedites delivery and cuts down manual development costs while reducing technical debt and increasing business agility.



Modern UI/UX

Improve user experience by replacing green screens with an optimized web interface across all platforms.



Access Skilled Talent

Modern code environments overcome staffing shortages by providing access to a larger developer and skilled talent pool.



No Vendor Lock-In

Full access to source code with no runtime license required, providing a completely portable solution with no 'vendor lock-in'.



Low-Risk Quick Wins

Phased implementation reduces risk and shortens time-to-value with our incremental approach and coexistence technology.



Budget Flexibility

Avoid large upfront CapEx with pay-as-you-go cost-controlled phases. Dial spending up or down as per business needs.



About Fresche Solutions

Fresche Solutions is an AI-powered IT modernization company that manages and maximizes the value of IBM i and Microsoft systems. With market-leading IP and proven solutions across Modernization, Cloud Managed Services, Application Managed Services (KTLO), and Data Analytics & AI, Fresche helps customers modernize securely, protect uptime, and realize more value from existing IT investments.