

MIGRATING LEGACY CODE WITH GENERATIVE AI

Overview

A large global transportation company that needed to address the crucial task of migrating to modern programming was under pressure given its outdated systems. Cyient provided the perfect customized solution with its Coddy tool, which leverages Generative AI for code migration and automated scripting.

Cyient's Coddy platform, which supports over 15 programming languages, provided the customer with expanded functionalities and a way to keep pace with changing market dynamics.

The Challenge

Our customer, a transportation, rail, and heavy industries company, was seeking a solution for migrating their legacy code. The company's heavy reliance on manual processes had led to inefficient operations and inability to make timely changes to their code. This adversely impacted their activities and business objectives, and their industry as a whole.

The customer sought support from Cyient to facilitate the process of converting their legacy code into modern programming with minimal downtime.



The Cyient Solution

At Cyient, we understand the difficulties of transitioning from legacy code to modern programming. Not only can the migration process be labor intensive, but doing so while avoiding any disruption in service requires particular expertise. To this end, we have developed Coddy, an automated tool for legacy code migration.

Using Generative AI that supports more than 15 programming languages, Coddy quickly determines the optimal route for code migration and adapts to any existing application. Whether writing a completely new code base or converting existing scripts, Coddy automates the process. Additionally, it generates automation scripts that ensure the new code functions just as the legacy code did, allowing for a fast and easy migration.

Coddy, with its Generative AI capabilities, helped our customer transition from an outdated programming language to a modern solution specific to their application. With Coddy's process automation and comprehensive support, the company was able to efficiently migrate nearly 4,000 scripts and launch their new application with minimal disruption to their services. The tool's test automation capabilities significantly reduced the time spent in manual coding of scripts. Their new system is now faster, more efficient, and up to industry standards.

The Results

Cyient's Cuddy solution enabled the customer to transition their legacy code to a modern programming language quickly and with minimal disruption. By using Generative AI, they were able to automate and generate the code using multiple languages, saving time and money in the process. The modernized code allowed the customer to maximize the efficiency, availability, and reliability of their operations. Further, the transition was

executed without any downtime. By increasing the speed and capabilities of their system, the company was able to run more efficient and faster operations and to meet its customer demands with high reliability and increased functionality. Cuddy's powerful, cost-saving platform also resulted in a significant reduction in the company's total cost of ownership.



DESIGNING TOMORROW TOGETHER

With our custom ASIC solutions, Cyient is driving digital innovation in the medical industry.

Leveraging our cutting-edge chip engineering we provide our customers with advanced ASIC circuit designs for implants, medical patches, hearing aids, and a host of other medical products.

Partnering with our customer to develop a battery-less custom ASIC for early detection of glaucoma and preventing blindness, we are helping shape the future of healthcare and the medical industry.

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Cyient (Estd: 1991, NSE: CYIENT) is a global Engineering and Technology solutions company. We collaborate with our customers to design digital enterprises, build intelligent products and platforms and solve sustainability challenges. We are committed to designing tomorrow together with our stakeholders and being a culturally inclusive, socially responsible, and environmentally sustainable organization.

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