



Legacy Modernization(SAS Code Conversion to Open- Source Platform)

Powered by Azure OpenAI & Wipro Legacy
Modernization Tool)

Overview

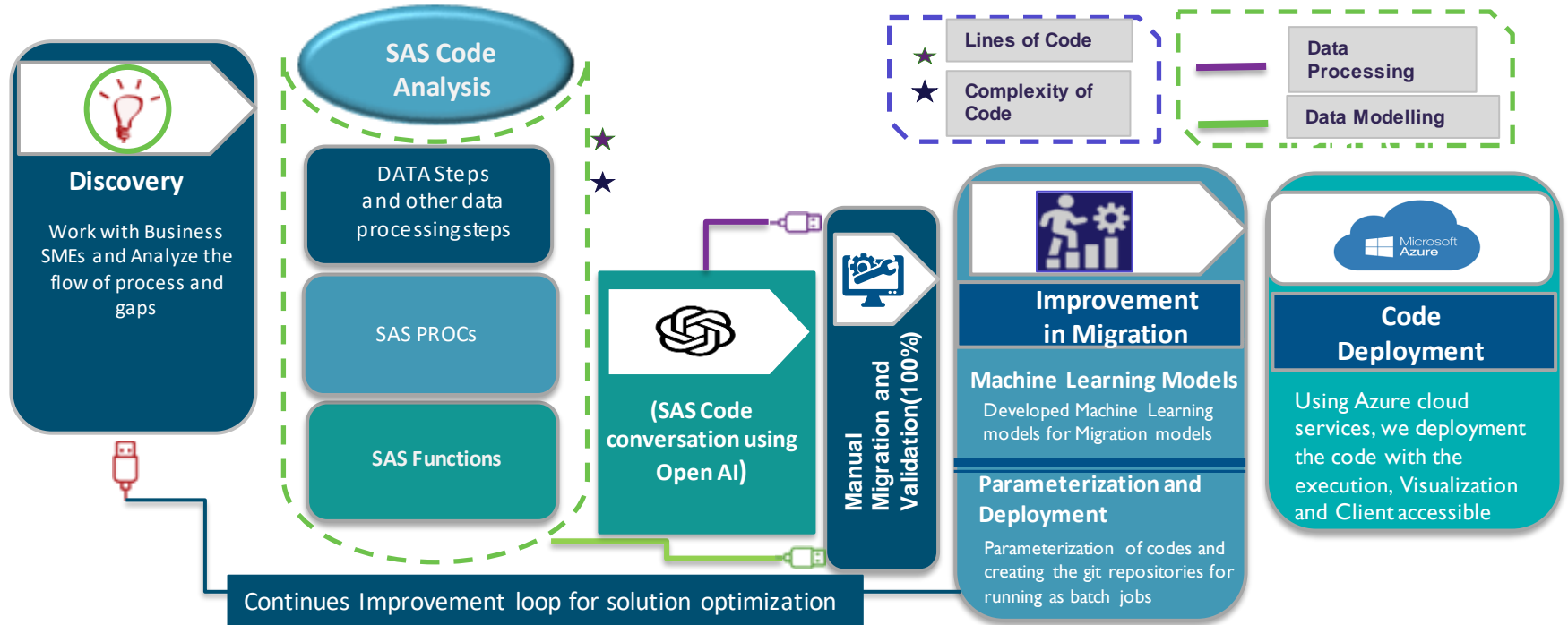
SAS Code Conversion Powered by Azure OpenAI & Wipro Legacy Modernization Tool

Legacy modernization tool developed by Wipro Powered by Azure OpenAI to convert SAS code into open-sources. With the tool, developers can easily convert SAS code into the corresponding versions in Python, Pyspark and R and can also perform a detailed analysis of the code for complexity. Tool helps to reduce the time and effort involved in manually converting SAS code into selected open-source code, allowing developers to focus on other tasks. The tool can also help to improve the accuracy and reliability of the converted code, which can benefit end-users. Additionally, it can help to reduce the development time for new ML solutions. We have leveraged MS Azure Open AI services, Azure blob storage, Azure App service, Azure ML Studio and Azure Analytic services and dashboards to built this solution

Key Features

- 1. Automated Conversion: This tool provides automated conversion of SAS code into open-source languages such as Python, Pyspark and R. The code is automatically converted, making it easier for developers to quickly and easily move to open-source languages.
- 2. Analysis of SAS Code: This tool will analyze the SAS code and obtain metrics that include the total number of lines, the number of SAS syntaxes, the number of comment lines, the number of blank lines, the number of executable lines, the number of macro and function variables, the number of datasets, and the number of PROCs used.
- 3. Quality Assurance: The code-conversion tool provides quality assurance, ensuring that the code is converted accurately and completely. The tool also checks syntax and logic errors in the original SAS code and converts them into the correct syntax in the target language.
- 4. Comprehensive Syntax Support: The code-conversion tool supports a comprehensive set of SAS syntax, including data steps, procedures and functions, and allows for easy conversion of code to the target language.
- 5. Debugging: The tool should be able to debug the converted code and provide the necessary feedback.
- 6. Easy to Use Interface: The tool provides an easy-to-use interface that allows developers to quickly and easily convert code from SAS to open-source languages. The tool also supports a variety of input formats, making it easy for developers to get started with the conversion process.
- 7. Comprehensive Documentation: The code-conversion tool also provides comprehensive documentation that explains the conversion process, as well as best practices for using the tool. This makes it easy for developers to understand the conversion process and ensures that they can make the most of the tool..

Tool Architecture



Strengths of Wipro as a Trustworthy AI Partner

Partnership to innovate in the field of generative AI by providing following range of services and solutions & help our clients improve operations, create new products and services, and gain a competitive advantage in the market.



AI Consulting services



Identify opportunities: Identify the areas where generative AI can bring the most value to businesses, such as automating tasks, creating new products and services, and improving the customer experience.



Building Framework for Large Language Models: ML Standardization Update, Model Optimization & Finetuning



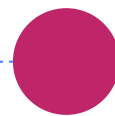
AI Solution development



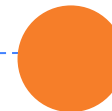
AI Lab for Foundational Model: Setting up AI Lab for building capabilities around large foundational models



Create a platform for customer engagement
Create a platform for customer engagement to keep customers informed of the latest developments, to gather feedback, and to share success stories.



AI Support and maintenance



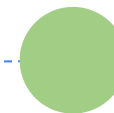
Data engineering and cloudification



Develop a joint go-to-market strategy: Exploring possibilities of offering different industry vertical business solutions & Develop a joint go-to-market strategy that leverages their respective strengths



Projects: Identify Top use cases with measurable business returns, implement and validate solutions for prod. scale



AI led digital transformations



Wipro case studies on Generative AI

Client	Description & business outcomes	Benefits
A global media giant	Automated the generation of contextualized abstracts/summaries of news article to our customer's clients.	Cost savings of 33% and improved productivity of existing personnel.
Swedish multinational networking and telecommunications company	Generate high quality synthetic data ensuring preservation underlying data patterns, so that privacy aspects of data is preserved, but easily shared for data monetization use cases.	Easily monetize value from data assets while ensuring privacy and security preservation.
USA based chocolate manufacturer	SEO Optimization & text generation for Ecommerce channels.	Improved searchability in e-commerce websites such as Amazon, leading to greater business visibility and revenues.
A leading Human Capital Solutions provider	Automated processing of over 5 million documents with varying scan qualities. Generative AI enhanced low resolution document images, enhanced bridge broken characters in low quality images uplifting the performance of OCR recognition.	Reduced manual efforts by 60% Savings of USD 400 million Improved process efficiency by 50%
A global pharma major	AI to generate & recommend Standard Response document on the topics of drugs, products or clinical trials in response to physician requests.	Reduced man hours spent in gathering and nailing down precise / referenceable information.
	Synthetic handwritten data generation to equip downstream AI / OCR with enough training data.	Increased accuracy of OCR models, leading to reduced need of "human in loop" .