



Let's get to the future, faster. **Together.**

Digital and App Innovation Services



App Modernization Offerings



Advisory

- Portfolio Analysis
- Modernization advisory & assessment
- MRAP Framework
- Cloud fitment analysis
- Business Case & TCO Analysis
- Architecture Strategy & Roadmap/Validation



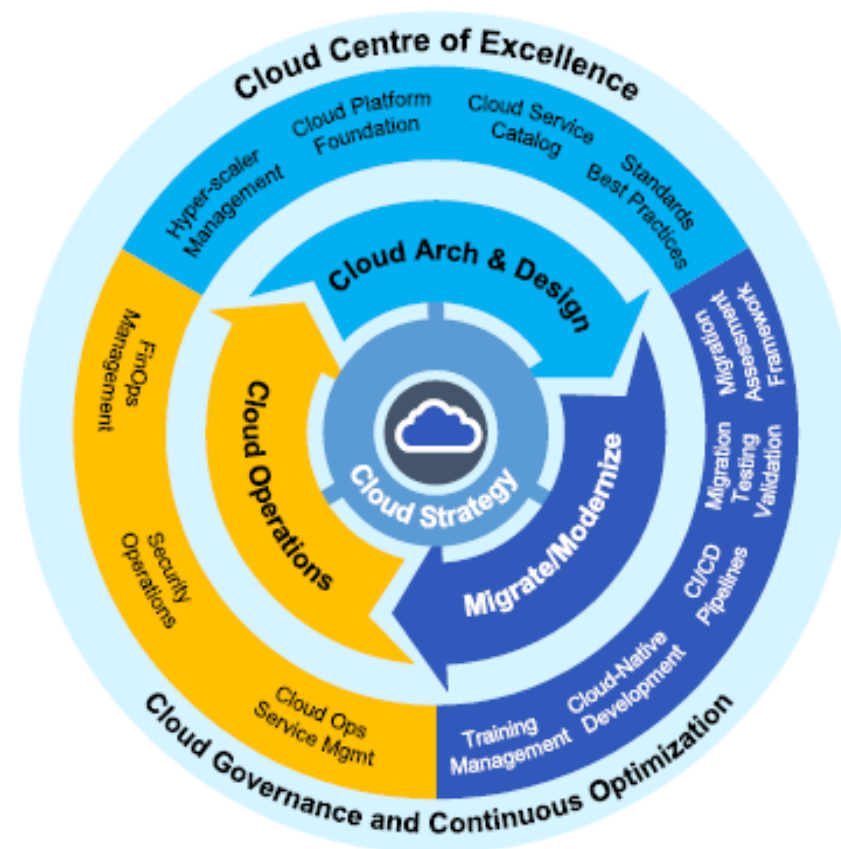
Transformation

- App Migration and Modernization (Re-Factor, Re-Host, Re-Platform & Re-Architect)
- Batch offloading
- Data Modernization
- Data Migration



Enablement

- AI-Infusion
- Generative AI enablement
- API eco-system
- UI modernization
- Data Archival and Legacy decommission



Building the Knowledge Fabric at different levels

CAST Imaging
Architectural Insights

canvas insights
Traceability | Correlation | Predictive Insights

LTIMGenie
Reverse Engineering

Source Code Files | Config Files | Database Scripts

User Stories | Code & Build (Logs, Traces) | Test Artifacts

Reverse Engineering | Code Summary (includes Mermaid Script Generation for sequence flow diagram) | Inline Code Documentation

Deep Analysis via "MRI for Software"

ML/NLP Algorithms to create end to end Correlation



Architecture Blueprints | Dependencies, Call Graphs
Health, Vulnerabilities | End to end Transactions

Defects Advisor | Code Analytics, Hotspots
Test Coverage Insights | Correlated Change Impact

canvas appScribe
Agile User Stories Generation

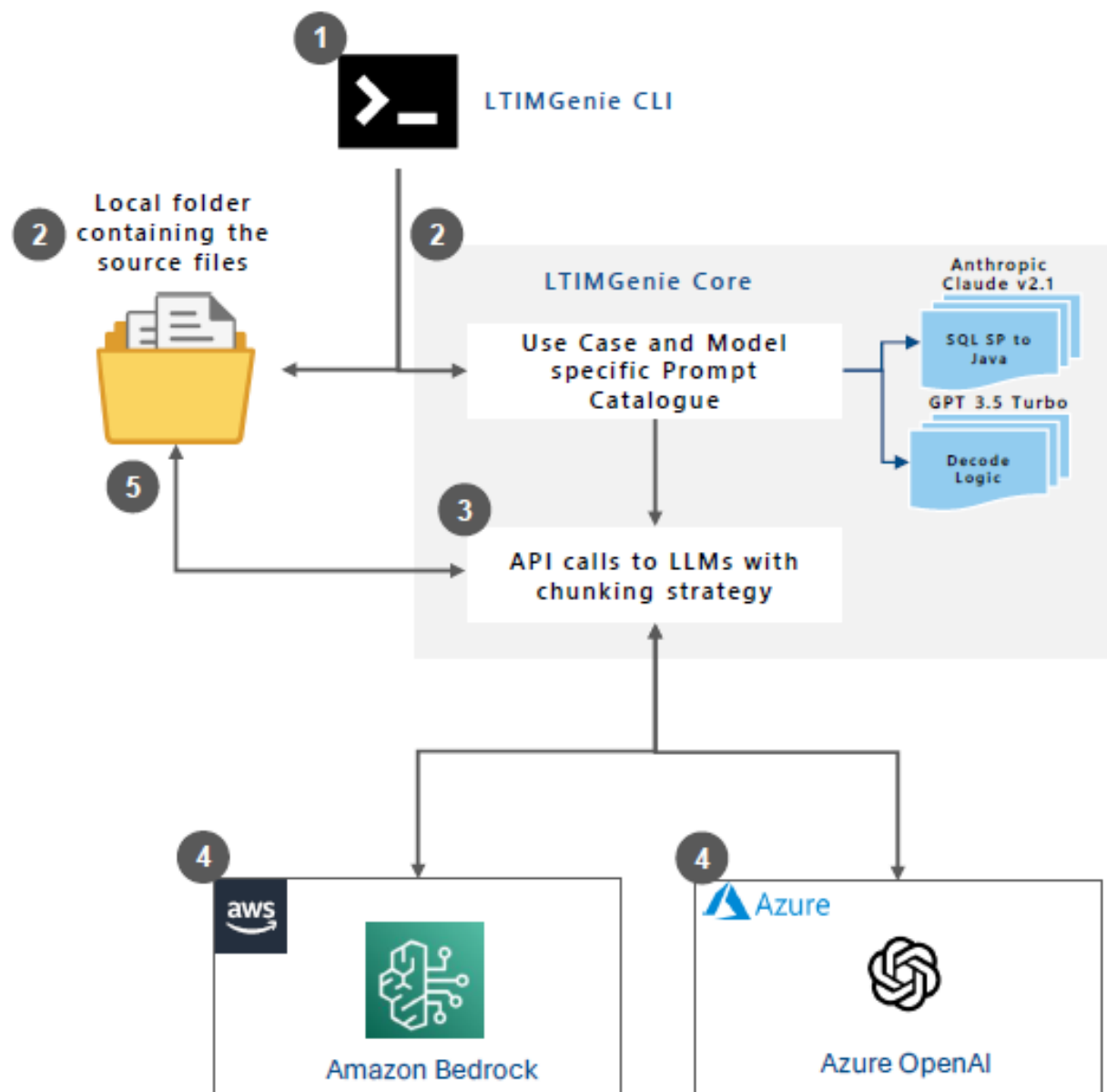


A screenshot of the canvas insights web application. It shows a search bar for 'User Stories' with 'Canvas_Knowledge' and '117' results. Below are sections for 'Available Views' and 'Exploratory Insights' with various filters and a network graph visualization.

Agile user stories generation, using INVEST Principles | Acceptance criteria generation, from Product owner perspective

Approach to crafting use cases in LTIMGenie

- 1 User invokes LTIMGenie CLI utility to select a persona, the appropriate use case, specify target large language model (LLM), provide input artifact specifics and the path for storing output.
- 2 Based on the chosen use case and model, LTIMGenie picks the appropriate prompt from the in-built prompt catalogue and maneuvers through the local file system to read the relevant input file
- 3 The prompt along with the input file contents are measured in terms of the total number of tokens consumed and appropriately chunked for aligning to the model-specific token limitations. Subsequently the appropriate LLM-specific API call is made.
- 4 The LLM gets the context along with the parameters to process the use case and provides the response back
- 5 Output from the LLM is uploaded in the specified target location.



Developer Productivity Enhancement with GitHub Copilot



GitHub Copilot

An AI Pair Programmer that understands the context and natural language prompts made by developers to generate code suggestions



GitHub Copilot X (Beta)

A vision to AI-powered software development. Features are powered by GPT-4 model.



GitHub Copilot Chat (Beta)

Conversational AI experience to generate code, learn technology and unit test case generation

and many more as features are evolving...

Microsoft GitHub Copilot

Designed to help developers spend less time on boilerplate and repetitive code, and more time on what really matters ! *

* Microsoft Research

55%
Faster Code
Development

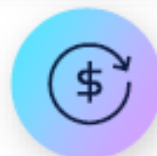
46%
Higher Rate of
Code Completion

75%
More Developer
Empowerment

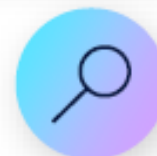
Our Competency in GitHub Copilot



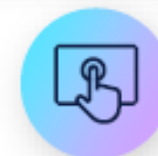
Code Explanation



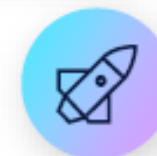
Code Generation



Code
Refactoring



Unit Test Case
Generation



Recommendations
on Best Practices &
Standards

LTIMindtree's Enablement Program



GitHub Developers Day



Curated Learning



Certifications

Success Snippets:



- Automated bulk generation of unit test cases using GitHub Copilot
- One of the big 4 accounting firms – Start of engagement on generation of unit test cases using GitHub Copilot

Thank you