# birlasoft
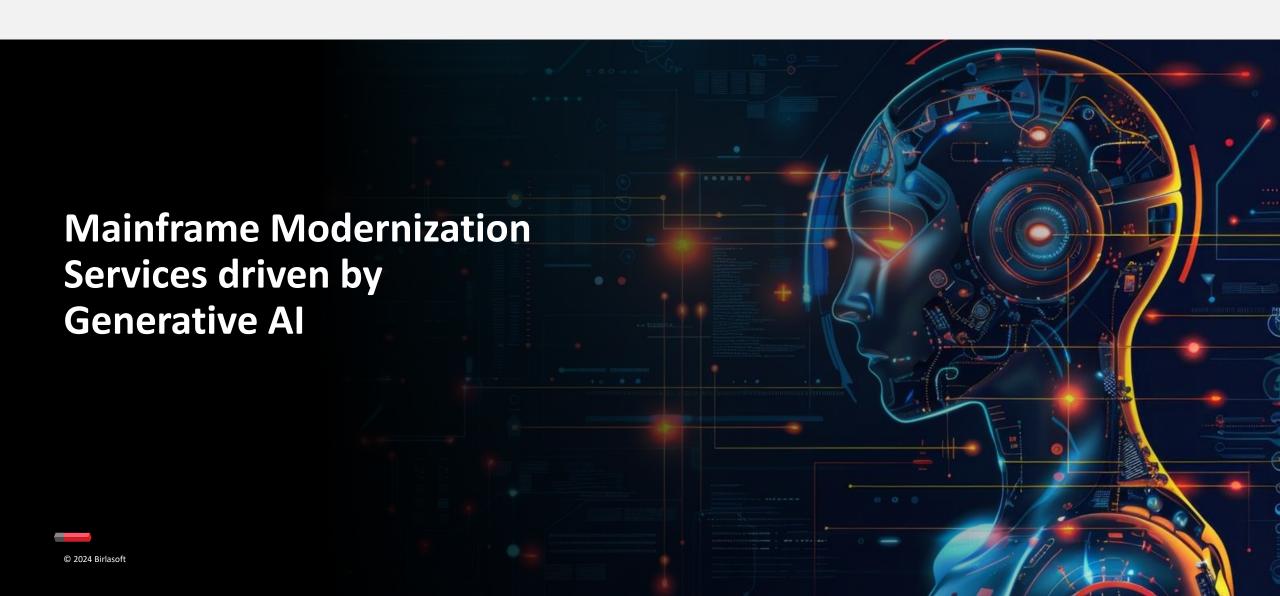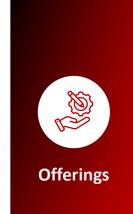
# Mainframe Modernization Services driven by Generative AI

Modernizing a mainframe can enhance system performance, enable agility, increases reliability and enable integration with modern cloud-based solutions. With AI-powered mainframe-to-cloud migration tools, this transition is now faster, cheaper and seamless. Birlasoft with its proprietary tools , OWN modernization framework and vast partner ecosystem offers comprehensive mainframe modernization services for business seeking success in this digital era.

# Our Service Offerings

## Offerings

### Advisory Services

- Portfolio Assessment & Rationalization
- Mainframe Modernization Roadmap
- Target Architecture Definition
- Business Case & TCO
- Mainframe Optimization and Transformation Assessment

### Key Alignments

- Cloud Strategy
- API Strategy
- Data Strategy
- DevOps Strategy
- Change Management

### Modernization Services

- End to End Modernization (6 Rs)
- DB Modernization
- UI Modernization
- Mainframe Optimization andtransformation
- Cloud Native Development

### Operate and Optimize

- Ongoing maintenance and enhancement
- Developer experience, Observability & IT Agility
- SOP Automation
- DR and BCP
- Security , Regulatory andProcess compliance

## Differentiators

- 25-30% Improved Productivity using SDLC Automation
- Strategic Partnerships with key leading tool and cloud Providers
- Flexible Commercial models for long running programs
- Deep domain expertise across verticals
- 4.61/5 average CSAT
- Extensive experience in maintaining and modernizing legacy systems

# Our Proprietary Tools and Accelerators powered by Gen AI

All COBOL program cross reference report of called programs and copybooks

Inventory report of application components and sizing, individual and consolidated lines of code.

**Estimation**

**COBOL Inventory**

**Application Inventory** 01

02

**Mainframe Application Discovery**

**Solution**

**Database CRUD Report**

CRUD report of Application interaction with database like DB2, IMS DB

**Data Migration**

03

05

**Code Migration**

**File Inventory Report**

04

**JCL Inventory Report**

Complete Inventory of all PS Files, GDGs, VSAM files used within an application

Comprehensive inventory of all batch jobs, procedures, utilities, control cards invoked

---

**06** **Code Summarization**

Summarizes any piece of COBOL code which could be used in functional mapping and application grouping

**birlasoft**
**Cogito**

**07** **Code Generation**

Generates equivalent JAVA code out of any COBOL code