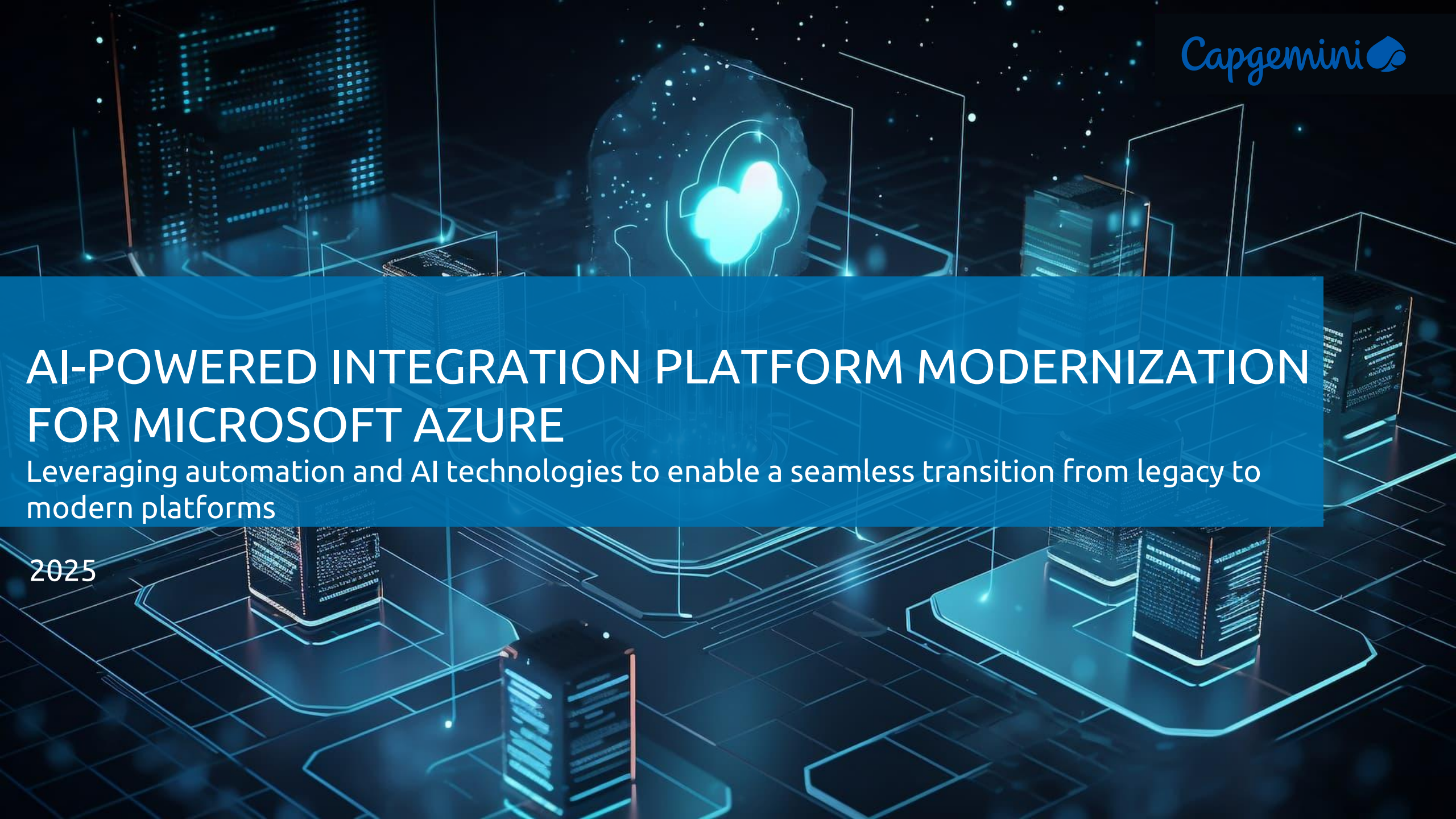

AI-POWERED INTEGRATION PLATFORM MODERNIZATION FOR MICROSOFT AZURE

Leveraging automation and AI technologies to enable a seamless transition from legacy to modern platforms

2025

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01

MARKET CONTEXT & CHALLENGES

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Modernizing legacy Integration platform is no longer optional for organizations

FUTURE-PROOF THE BUSINESS

Legacy Integration Platforms lacks the flexibility to adapt to emerging technologies, maintain compliance, or capitalize on modern advancements. Microsoft Azure provides a next-generation Integration Platform powered by automation and AI, enabling businesses to meet evolving needs with agility and innovation.

OPTIMIZED CUSTOMER EXPIERENCE

Legacy integration platforms hinder seamless data exchange and personalized customer interactions. Migrating to Azure enhances customer experience by enabling faster, more efficient data flows and personalized engagement at scale.

HIGH COST OF MAINTENANCE

Maintaining legacy integration stack is costly due to outdated technology and limited expertise. Migrating to Azure offers cost-effective, scalable, and reliable solutions, reducing maintenance challenges and improving performance

ACCELERATE TIME-TO-REVENUE

Legacy Integration Platforms lack of in low-code and automation slows development. Migrating to Azure delivers faster, scalable integrations powered by automation & AI

COMPOSABILITY

Legacy Integration Platforms lack the flexibility and modularity needed for dynamic business needs. Azure migration enhances composability and scalability

COMPATIBILITY WITH MODERN SYSTEMS

Legacy Integration Platforms struggle with modern protocols, APIs, and SaaS apps. Migrating to Azure ensures seamless integration and future-ready compatibility

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Yet many organizations are not inherently equipped to embark on modernization journey

The difficulties in migrating a platforms such as MuleSoft to Azure often arise due to a combination of technological, strategic, and organizational factors

Failure to Monitor and Optimize

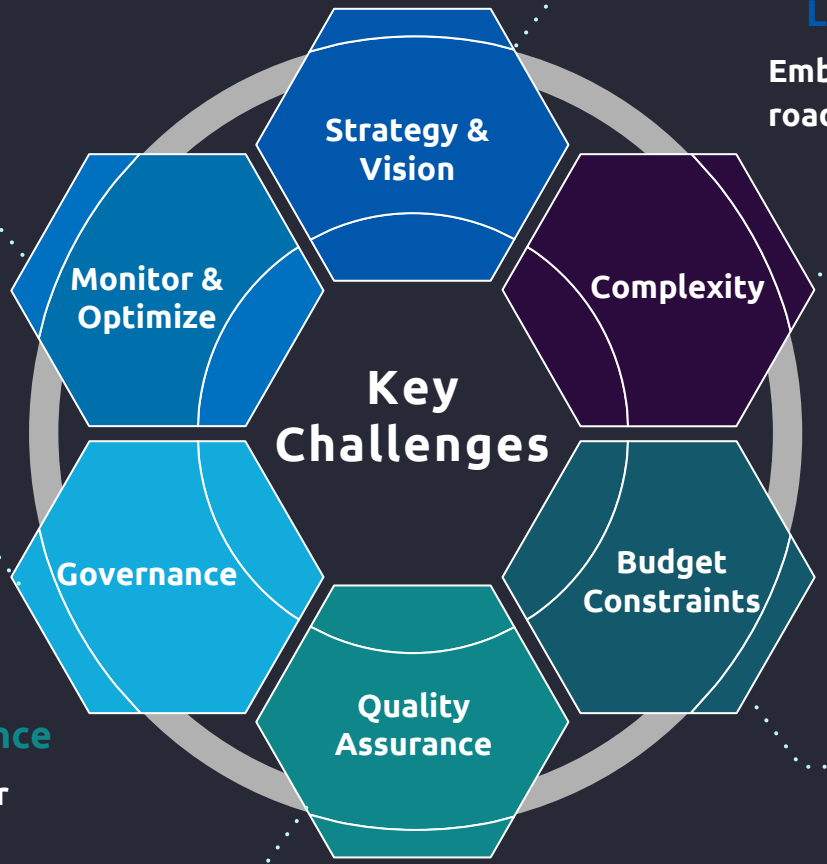
Can lead to missed opportunities for in-prompt optimization and improvements

Lack Of Proper Governance

Can result in uncontrolled changes, misaligned solution & compliance issues

Insufficient Testing and Quality Assurance

Inadequate testing can result in issues after deployment



Lack of a Clear Strategy & Vision

Embark on modernization without a well-defined roadmap or understanding of what success looks like

Complexity of Legacy Systems

High risk of breaking critical business processes during migration

Securing Executive Sponsorship

Modernization programs require significant upfront investments

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02

OUR VALUE PROPOSITION & SOLUTION

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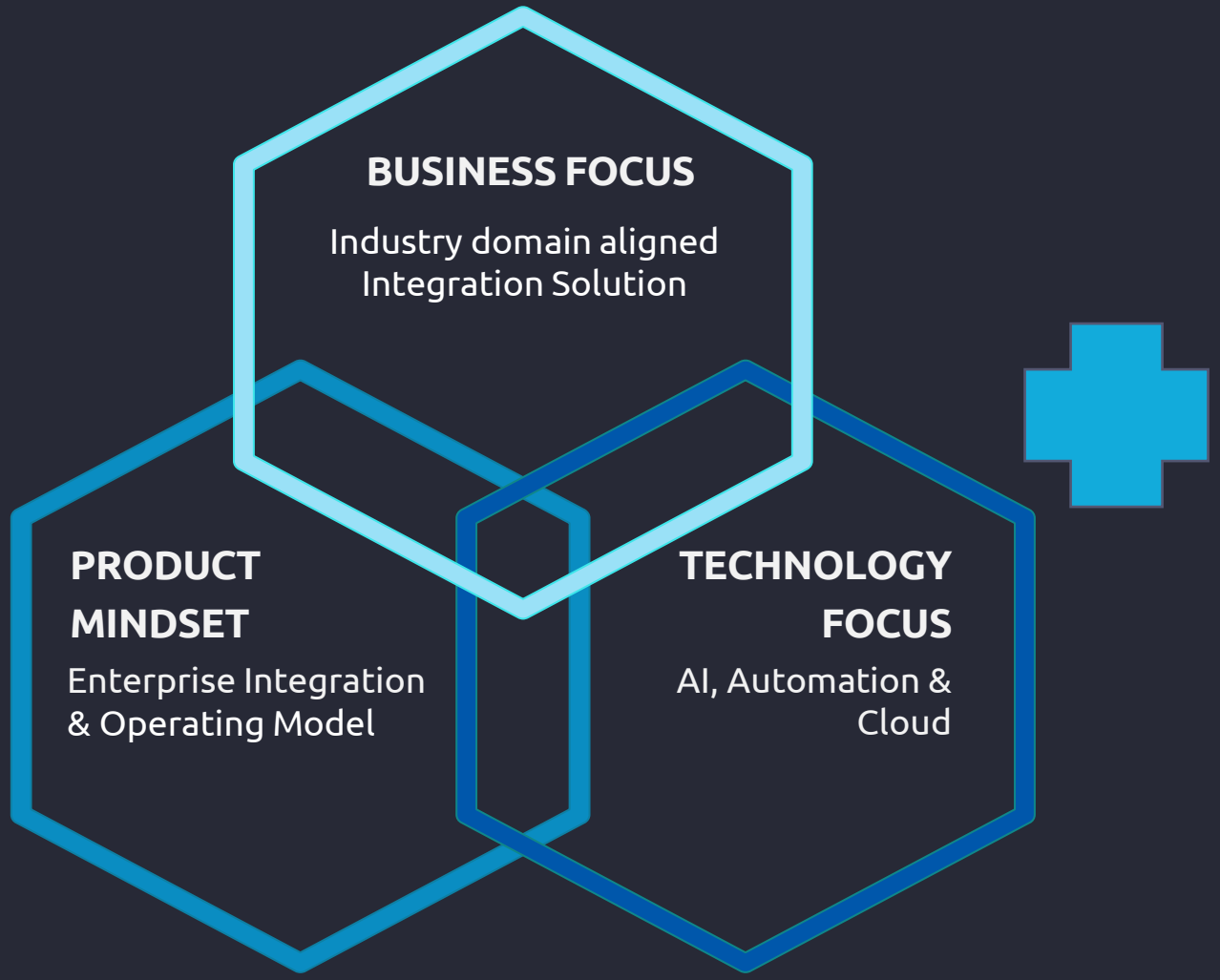
Our approach to overcoming Integration modernization challenges

Achieving legacy integration platform to Azure modernization through a balanced approach of strategy, technology and alignment



- 6R's Framework
- AI & Automation
- Hybrid & Multi-cloud Model
- Governance Model
- Phased Approach
- Modular Design
- Accelerators & pre-built Assets
- Aligned to Standards
- Performance & Scalability

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Maximizing value through assets and AI in our holistic approach to legacy integration to Azure modernization

MuleSoft Modernization to Azure Integration

- Business Objective & IT strategy Assessment
- Integration Portfolio Assessment
- Migration Approach following 6R's framework
- Governance Setup

- Detailed Integration /API Assessment
- Define Migration Plan & Migration Testing Strategy
- Define Target Architecture
- Conduct Proof Of Value (PoV)
- Setup DevOps

- Setup Target Environments
- Migration Execution - leverage Capgemini assets for migration & testing
- Security Testing & Validation
- Rollback testing & Validation
- Cutover & Transition Execution

- Integration Application & platform monitoring
- Metrics and Data Gathering
- AI tools assistance in analysis & recommendations
- Refactor APIs / integrations and platform parameters

Proven methodology enabled with automation and tools

1. **i-Migrate Assessment Module** Leverage Gen AI to accelerate assessment
2. Leverage **Reference architecture, target operating model** templates
3. Capgemini **iMigrate Asset** for migration to Azure Integration Platform
4. **Leverage Capgemini AI Testing tool for Migration Testing & Validation**
5. Capgemini's **Integration DevOps toolset** for build, test and deployment automation
6. **Hybrid Dashboard** for Monitoring all the services in Azure & BizTalk Integration

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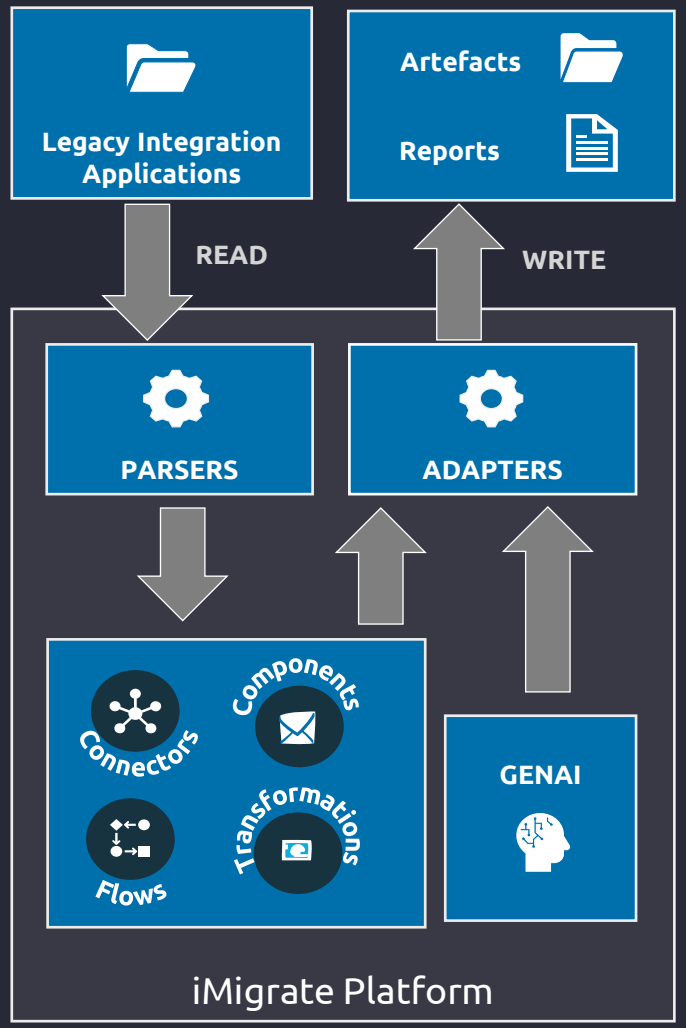
iMigrate - AI & Automation solution for migrating Integration platforms to Azure Integration Platform



WHY iMIGRATE?	▪ **Accelerated Migration:** Automates up to 70% of migration tasks that includes data mapping, integration flows and business rules. ▪ **Cost-Efficient:** Minimises code migration costs through intelligent automation and reusable assets ▪ **Future-Ready:** Enables seamless transition to scalable and composable architectures
SOLUTION OVERVIEW	▪ **Intelligent source parsers & target adapters** to automatically extract metadata, configurations, & integration logic from legacy application. ▪ **Generative AI component** for complex data transformations & mappings ▪ **Supports EDI and A2A migrations**
PLATFORM MIGRATION	▪ **Microsoft BizTalk** ▪ **TIBCO BusinessWorks 5.x and 6.x** ▪ **MuleSoft Anypoint 4.x**

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03

CASE STUDIES

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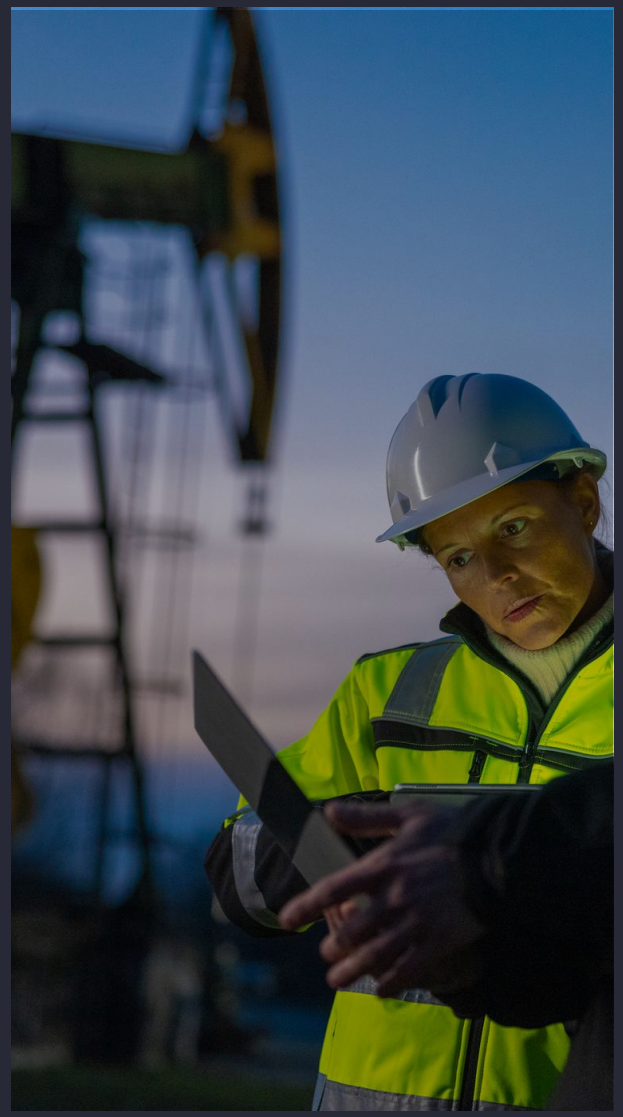
API and Integration Platform Modernization for a Leading International Oil Company: Large-Scale MuleSoft Modernization Across Regions and Markets



Challenges

- More than 500 integrations deployed in Cloud Hub and integrate with various sources like Salesforce, SAP, Microservices and File shares
- To move away from single integration platform dependency to Competency based platform
- Reduce platform license and maintenance costs

Solution

- The Integration Factory delivered over 500+ live Azure iPaaS for 100+ projects within span of 9 months
- Complete offshore Integration Centre
- Real time integration monitoring and error triage. Automation using logic apps to get real time error updates in integration and fix

Business Benefits

- 70% reduction in licensing and usage costs
- Recover migration investment within a span of 3 years
- 40% faster delivery for business requirements with C4E Model, standardisation & reuse
- Accomplish enterprise business requirements with easy and out-of-the-box integration within Azure ecosystems

API & Integration Value Chain

STRATEGY & PORTFOLIO ASSESSMENT	DESIGN, PLANNING & PROOF OF VALUE	MIGRATION & TRANSFORMATION	OPERATION & OPTIMISATION
Transforming business systems with Enterprise integration strategy to create adaptive Experiences reducing Complexity and improving Speed to value	Design evolving migration plan for implementing best practices, eliminating point-to-point interfaces, reducing complexity, & wrapping legacy systems securely reducing risk	Create a more responsive, agile organization with enterprise integration by connecting Salesforce, SAP systems, data, processes	Establish CoE & Optimize rock-solid connections with Salesforce, SAP and partner systems, providing end-to-end visibility and 360-degree view

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Integration Platform Modernization for a Leading Financial Advisory Firm: Driving Agility and Cost Efficiency

Challenges

- The current application stack was in a private MuleSoft cloud with a vpn tunnel to on-prem servers with minimal reusability and documentation was a challenge
- Migrate away from MuleSoft and leverage Azure platform services to achieve business agility & reducing operation costs from under-utilized resources

Solution

- Platform migrated MuleSoft to Azure IPaaS Services using **iMigrate**.
- Automated deployments using Azure DevOps -**1-Click**
- Reusable templates and assets for faster delivery and reduced technical debt

Business Benefits

- Over 20% Reuse across with standardized platform
- 50% reduction in licensing and operation costs
- . Faster launch of new campaign and products in markets

API & Integration Value Chain

STRATEGY & PORTFOLIO ASSESSMENT	DESIGN, PLANNING & PROOF OF VALUE	MIGRATION & TRANSFORMATION	OPERATION & OPTIMISATION
Enterprise Integration Strategy for Platform Migration & Portfolio Rationalization	Design Blueprint with Reference Architecture, Migration plan, Operational strategy & Execution approach defined	Modern Enterprise Integration Platform Build, Migrate & Transform services supporting 30 B2B and 22 B2C markets	CoE Engagement with end-to-end platform observability, real time insights and optimisation of resources

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Planning your Success, Together

INTEGRATION DISCOVERY & STRATEGY	PRODUCT MVP	INTEGRATION FOUNDATION WITH QUICK WINS
Collaboration in due diligence of current state, defining enterprise integration migration strategy, target operating model & Integration platform selection to support your organizational goals	Integration solution & implementation with minimum but necessary features to validate the critical business or IT use cases i.e., key integration flows, viability of new product & its features to support Integration patterns & your platform migration	Strategic approach that focuses on laying the foundation for long-term, scalable integration platform while delivering immediate value through integration flows and APIs that validates the Integration foundation
4-6 WEEKS	4-12 WEEKS	4-8 WEEKS

OFFER SUPPORT & RESOURCES

- **EXPERTISE TO SUPPORT SALES TEAM**
- **INDUSTRY EXPERIENCE & TECHNOLOGY EXPERTISE**
- **ACCELERATORS & TOOLS**
- **LEVERAGE OUR ALLIANCE & PARTNERSHIP**

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About Capgemini

Capgemini is an AI-powered global business and technology transformation partner, delivering tangible business value. We imagine the future of organizations and make it real with AI, technology and people. With our strong heritage of nearly 60 years, we are a responsible and diverse group of 420,000 team members in more than 50 countries. We deliver end-to-end services and solutions with our deep industry expertise and strong partner ecosystem, leveraging our capabilities across strategy, technology, design, engineering and business operations. The Group reported 2024 global revenues of €22.1 billion.

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