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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MARKET CONTEXT & CHALLENGES

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 EXPERIENCE

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Maintaining legacy integration stack is costly due to outdated technology and limited expertise.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

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

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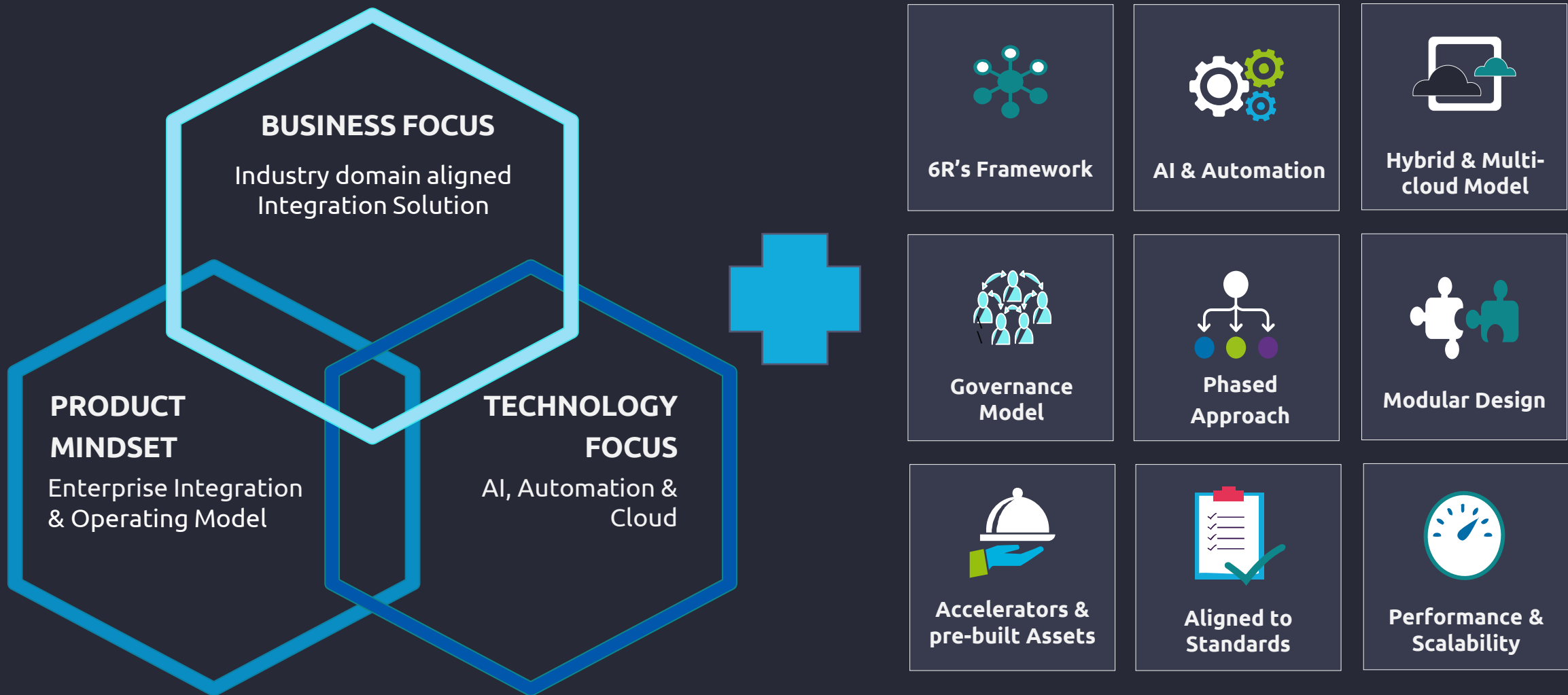

Failure to Monitor and Optimize
Can lead to missed opportunities for in-prompt optimization and improvements

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

Key Challenges

- Strategy & Vision
- Complexity
- Monitor & Optimize
- Budget Constraints
- Governance
- Quality Assurance

02

OUR VALUE PROPOSITION & SOLUTION

Our approach to overcoming Integration modernization challenges

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

BUSINESS FOCUS

Industry domain aligned Integration Solution

PRODUCT MINDSET

Enterprise Integration & Operating Model

TECHNOLOGY FOCUS

AI, Automation & Cloud

6R's Framework

AI & Automation

Hybrid & Multi-cloud Model

Governance Model

Phased Approach

Modular Design

Accelerators & pre-built Assets

Aligned to Standards

Performance & Scalability

Maximizing value through assets and AI in our holistic approach to Boomi Process to Azure Integration

Boomi Modernization to Azure Integration

STRATEGY & PORTFOLIO ASSESSMENT	DESIGN & PLANNING	MIGRATION & TRANSFORMATION	OPERATION & OPTMIZATION

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

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

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

OPERATION & OPTMIZATION
- 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
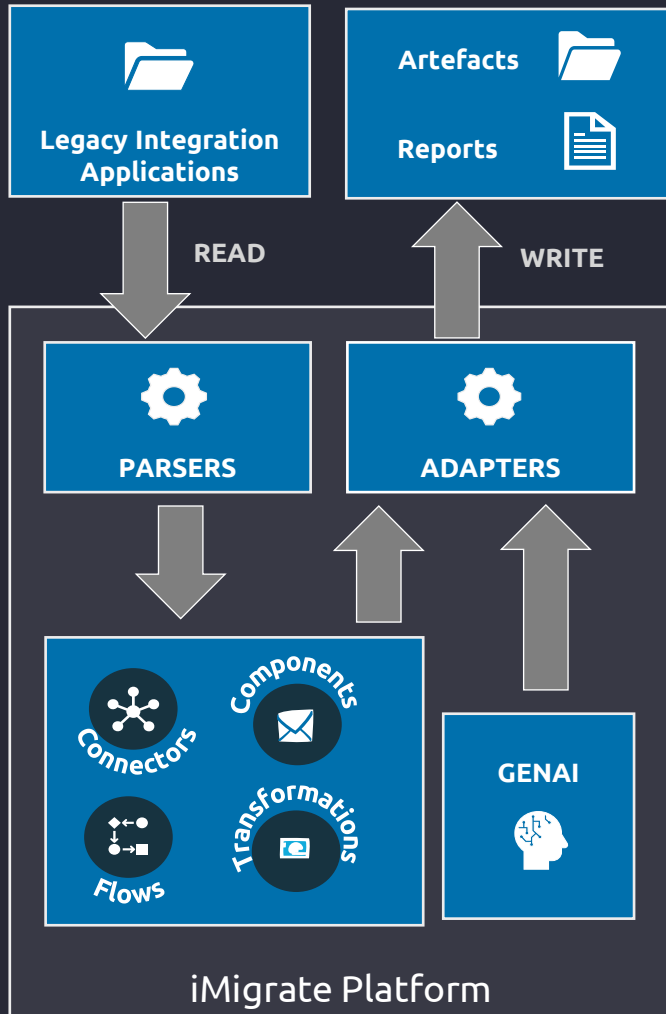2. Leverage **Reference architecture, target operating model** templates
3. Capgemini **iMigrate Asset** for migration to Azure Integration Platform
4. Leverage Capgemini **AI Testing tool** for Migration Testing & Validation
5. Capgemini's **Integration DevOps toolset** for build, test and deployment automation
6. **Hybrid Dashboard** for Monitoring all the services in Azure & Boomi Integration

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

Legacy Integration Applications

Artefacts

Reports

READ

WRITE

PARSERS

ADAPTERS

Connectors

Components

Flows

Transformations

GENAI

iMigrate 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**

03

CASE STUDIES

Large-Scale Boomi Platform Modernization for a UK-Based Utility Company

Challenges

- Business goal for a sustainable Investment Decision Making (SIDM) Transformation

- The current Asset & Work order management system, Ellipse, is non-compliant with the Digital Policy on obsolescence

- Complex integrations, inconsistent data flows, and heavy customization make it unsustainable

Solution

- The Integration Factory migrate 300+ Boomi Process to Azure iPaaS for 20+ projects within span of 15 months

- Complete offshore Integration Centre

- Accomplish enterprise business requirements with easy and out-of-the-box integration within Azure ecosystems

Business Benefits

- 60% reduction in licensing and usage costs
- Streamlined Business process
- Re-usable API based Architecture for future agility
- Improved performance & reliability

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	Create a more responsive, agile organization with enterprise integration by connecting Salesforce, MS D365, Maximo systems, and various legacy line of applications	Optimize interfaces, providing end-to-end visibility of API usage and platform performance
	Platform architecture, Integration Framework, phase- wise migration plan		

Integration Platform Modernization for an Environmental Regulator: Driving Agility and Cost Reduction

Challenges

- Multiple business processes are failing due to underlined Boomi infrastructure leading high availability & Performance issues

- Migrate away from Boomi and leverage Azure platform services to achieve business agility & reducing operation costs from under-utilized resources

Solution

- ~130 Boomi process 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 Enterprise Application- CRM Dynamics, SharePoint &Service now	CoE Engagement with end-to-end platform observability, real time insights and optimisation of resources

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

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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