Component 2

Azure AI Foundation Architecture

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AI Foundation Architecture

The technical part of the offer that ensures your AI foundation is set up for success for an AI Transformation offer Factory and is essential before Component 3

Component 2

The Key Deliverables

2.1: Generative AI Building Blocks

- Outlines a 3-tier GenAI solution layers:
  - Core (constant tech elements like security & monitoring).
  - Variable (use case-specific components like app orchestrators).
  - Solution-Dependent (elements like AI models & applications).

2.2: Intro to Landing Zone Architecture

- Establish a foundational architecture for CoE/AI Factory.
- Key Areas: Governance, networking & security, data foundation, and subscription management.
- Includes educational workshop and assessment of the client's current estate.

2.3: Generative AI Landing Zone Implementation

- Delivered via architecture workshops, enabling hands-on setup of each desired landing zone component.

2.3 Add On: Apps & Infrastructure Landing Zone Implementation

- Additional landing zone implementation offered via the Apps and Infrastructure VBD.
- Delivered via architecture workshops, enabling hands-on setup of each desired landing zone component.

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Timeline and delivery options

Component 2

Inspire and Design

Defining GenAI Building Blocks

Delivered by

Technical Lead

~1–2 Hour Presentation + Whiteboarding Discussion

Empower and Achieve

Defining Landing Zone Architecture

Delivered by

AI + App Architect / Developer

~2–3 Hour Presentation + Whiteboarding Discussion

Can be delivered in 1 Full Day or 2 Half Day Workshops

Realise Value

Implementation of Landing Zone Architecture Components

Delivered by

AI + App Architect / Developer

1–2 Weeks Delivery Engagement

Dependent on Delivery Option Selected

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Generative AI building blocks

Component 2.1

A flexible yet foundational approach for generative AI architectures

This framework outlines three essential levels of “building block” components that form the foundation of any core generative AI architecture.

1. **Core Technology Components**: Unchanging elements essential across all use cases, including metadata storage, security features, and monitoring.
2. **Adaptable Solution Elements**: Variable components that may differ based on use case requirements, such as app orchestrators, prompt handlers, and data sources.
3. **Solution-Dependent Components**: Customisable elements integral to specific generative AI solutions, like the AI model and serving applications.

Delivery Options:
1–2 Hour Presentation & Whiteboarding Session

Client Team
- Technology Stakeholders
- AI + App Architects / Developers

Defining The Landing Zone Architecture

Component 2.2

Deploy Azure with confidence

Gain insight into what defines a robust landing zone architecture and its importance as a foundational element for any CoE or AI Factory within the enterprise. This includes an overview of essential components—such as governance, network and security, data foundation, and subscription management that form the baseline architecture.
We will also conduct an educational assessment of your current landing zone, helping you understand and enhance your enterprise's foundation for AI initiatives.

Delivery Options:
2–3 Hour Presentation & Whiteboarding Session

Client Team
- Technology Stakeholders
- AI + App Architects / Developers
- Infrastructure Architects
- Governance / Security Stakeholders

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CGI AI Transformation Offer

A 3-part perspective orchestration offering AI CoE frameworks, solution envisioning strategies, landing zone implementations, and a robust Generative AI Factory with GenAIOps at the core

Delivered by CGI & Microsoft experts

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The value proposition of AI Transformation Offer

AI Transformation Offer is a transformative offer designed to empower organisations to scale their AI capabilities effectively. By leveraging cutting-edge technology and strategic frameworks, AI Transformation Offer helps enterprises overcome common challenges in AI adoption and implementation.

Adoption Strategies for Enterprises

Delivers tailored **adoption strategies**, **workshops**, and **maturity assessments** to ensure **successful AI** implementation and long-term sustainability.

Scaling from POC to Production

Provides a structured approach to **transition AI projects** from Proof of Concept (POC) to **full-scale production**, ensuring seamless deployment and **tangible business outcomes**.

Lack of AI-Ready Infrastructure

Offers a **robust infrastructure framework**, including AI Foundry and Azure Machine Learning, to support **enterprise-scale** AI applications.

Unlock AI Potential

AI Transformation offer empowers enterprises to **leverage AI effectively**, driving **meaningful business transformation**.

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Who needs this offer?

This offer is designed for organisations who are in various stages of their AI journey and are looking to strategically build, scale, and manage generative AI capabilities.

Mid stage
Clients who need to establish a foundational AI architecture, such as a landing zone and baseline governance, data, and security frameworks.

Use case identification and prioritisation
Organisations that have identified AI opportunities but need guidance on which use cases to prioritise and how to align these with business objectives.

Scaling and operationalising AI
Enterprises that are ready to transition from isolated AI projects to a scalable AI Factory model, enabling continuous development and deployment of AI solutions.

Mature AI operations
Clients who already have foundational AI structures but are looking to establish a GenAIOps framework to ensure efficient, reliable, and scalable generative AI operations within their enterprise.

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87%

of organisations believe AI will give them a competitive edge

Source: MIT Sloan Management Review

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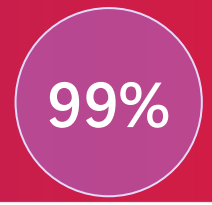
Yet all enterprises need help scaling AI

Executives believe their organisation doesn't have the proper infrastructure to support their desired AI workloads

Leaders believe they have sufficient AI skills and talent



Organisations have challenges in scaling and operationalising AI

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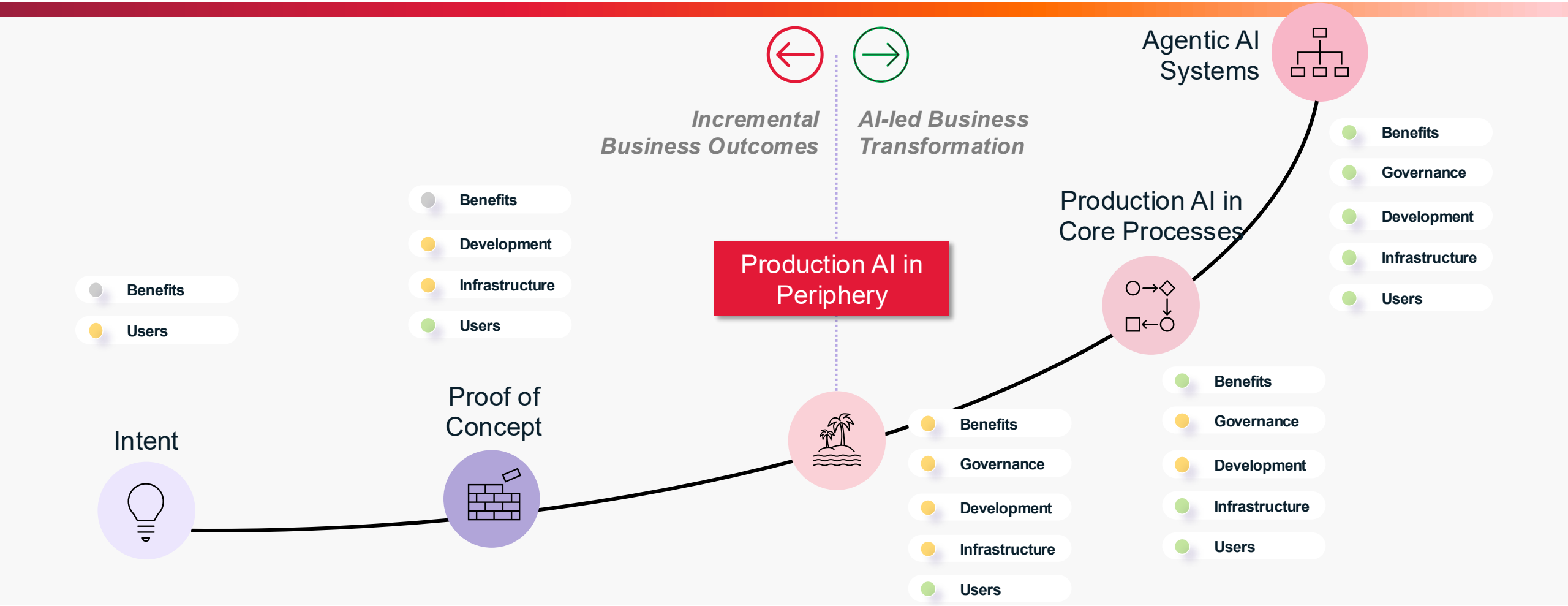
Microsoft Azure

The State of AI Infrastructure (April 2024 Edition)

An annual report on trends and developments in AI infrastructure based on Microsoft-commissioned surveys conducted by Forrester Consulting and IPSOS based on surveys of over 1,500 business leaders

Where do organisations get stuck?



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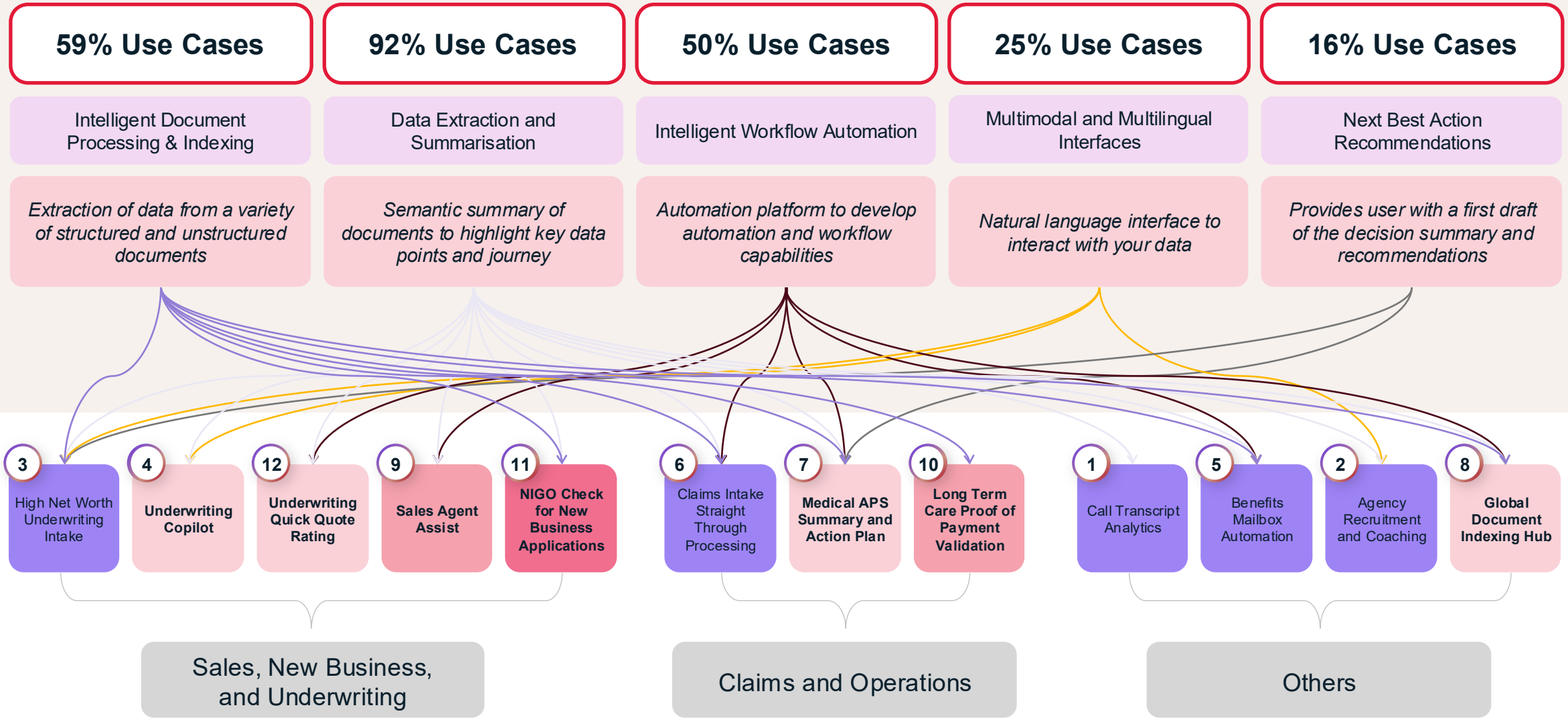
Repeatable AI patterns across enterprises



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The 3-Part offering

Component 1

AI CoE and Solution Envisioning

- AI Center of Excellence Intro
- Business Envisioning + CoE Transformation
- AI Patterns Scorecard
- Capability Envisioning
- Rapid Prototyping

Component 2

AI Foundation Architecture

- Generative AI Building Blocks
- Intro to Landing Zone Architecture
- Generative AI Landing Zone Implementation
- Apps & Infrastructure Landing Zone Implementation

Component 3

Generative AI Factory: Scaling AI Patterns

- GenAIOps Intro and Maturity Assessment
- Proof of Value Selection and Development Timeline
- Full Cycle Development

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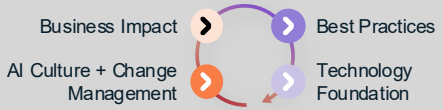
AI Transformation Offer flow

COMPONENT 1
AI CoE and Solution Envisioning

AI Center of Excellence Introduction

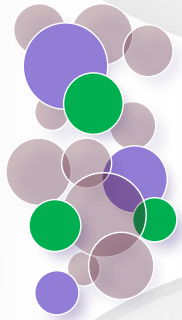


Business Envisioning + CoE Transformation

AI Patterns Scorecard

Capability Envisioning

Rapid Prototyping



High Biz Value

Low Biz Value

De-prioritised

COMPONENT 3
GenAI Factory

GenAIOps Assessment & POV Selection

Development and Factory Scale

Pov 1
Pov 2
Pov 3
Pov 4
Pov 5
Pov 6

GenAI Ops Maturity Assessment

Pov 1

GenAI p1

GenAI p2

GenAI p3

GenAI Stages

Initialization | Experimentation | Evaluation & Refinement | Deployment

GenAI Process

GenAI Technology

Development of POV 1 *

COMPONENT 2
AI Foundation Architecture

Modular and Non-Modular Technology Identification

Governance and Security Frameworks

Well Architected Data Foundation

AI Landing Zone Architecture Foundation

Apps Landing Zone

Infra Landing Zone

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The program at a glance

COMPONENT 1
AI CoE and Solution Envisioning

- AI Center of Excellence Introduction
  1 hour presentation
- Business Envisioning + CoE Transformation
  Half-day to one day Workshop
- AI Patterns Scorecard
  2 hour presentation
- Capability Envisioning
  One day to multiday Workshop
- Rapid Prototyping
  Multiday Workshop

COMPONENT 2
AI Foundation Architecture

- Generative AI Building Blocks
  1.5 hours Workshop
- Intro Landing Zone Architecture
  2-hour Workshop
- Generative AI Landing Zone Architecture Implementation
  1–2 Week Implementation
- Apps & Infra Landing Zone Architecture Implementation
  1–2 Week Implementation

COMPONENT 3
Generative AI Factory: Scaling AI Patterns

- GenAIOps Intro and Maturity Assessment
  Half-day Workshop
- MVP and GenAIOps Build
  6–8 Weeks Implementation
- MVP Readout and GenAIOps Review
  Half-day Workshop

Client Team

- *AI Business & Technology Lead*
- *Product / Business Domain Leads*
- *AI + Apps Architects / Developers*
- *AI Transformation Sponsor (Key Program Lead)*

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Offer governance: role clarity

Component	Delivery Team	Supporting Team	Hand Off Team
Component 1	**ATU leads initial conversation handing off to STU: Azure SSP**		
Component 1.1 AI Center of Excellence Introduction	Account Lead	Strategy / Workshop Lead	Account Lead to Strategy Lead
Component 1.1 Business Envisioning + CoE Transformation	Strategy / Workshop Lead	Account Lead	Account Lead to Technical Lead
Component 1.2 AI Patterns Scorecard *for Capability Envisioning*	Account Lead + Technical Lead	Strategy / Workshop Lead	Technical Lead to Strategy Lead
Component 1.2 Capability Envisioning	Strategy / Workshop Lead	Account Lead + Technical Lead	
Component 1.2 Rapid Prototyping	Strategy / Workshop Lead	Account Lead + Technical Lead + Developer Team	Strategy Lead to Technical Lead
Component 2	**STU: Azure SSP leads coordination from Component 1 to 2**		
Component 2.1 GenAI Building Blocks	Technical Lead	AI & Apps Architect / Developer	Technical Lead to Developer Team
Component 2.2 Intro to Landing Zones	AI & Apps Architect / Developer	Technical Lead	
Component 2.3 AI Landing Zone Implementation	AI & Apps Architect / Developer	Technical Lead	
Component 2.3 Apps & Infra Landing Zones Implementation	AI & Apps Architect / Developer	Technical Lead	Developer Team to Technical Lead + Account Lead
Component 3	**STU: Azure SSP leads coordination from Component 2 to 3**		
Component 3.1 GenAIOps Intro & Maturity Assessment	Technical Lead	AI & Apps Architect / Developer	Technical Lead to Developer Team
Component 3.2 MVP & GenAIOps Co-Build	AI & Apps Architect / Developer	Technical Lead	
Component 3.3 MVP Readout & GenAIOps Review	AI & Apps Architect / Developer	Technical Lead	Developer Team to Technical Lead + Account Lead

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Building **what's next**

For 50 years, we've combined human ingenuity with the power of technology to help our clients achieve meaningful outcomes. To all those with whom we've had the privilege of collaborating: **thank you**.

The role of technology in shaping a better world has never been more powerful—or more human. And, for us, this is only the beginning.

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Insights you can act on

Founded in 1976, CGI is among the largest IT and business consulting services firms in the world.

We are insights-driven and outcomes-focused to help accelerate returns on your investments. Across hundreds of locations worldwide, we provide comprehensive, scalable and sustainable IT and business consulting services that are informed globally and delivered locally.

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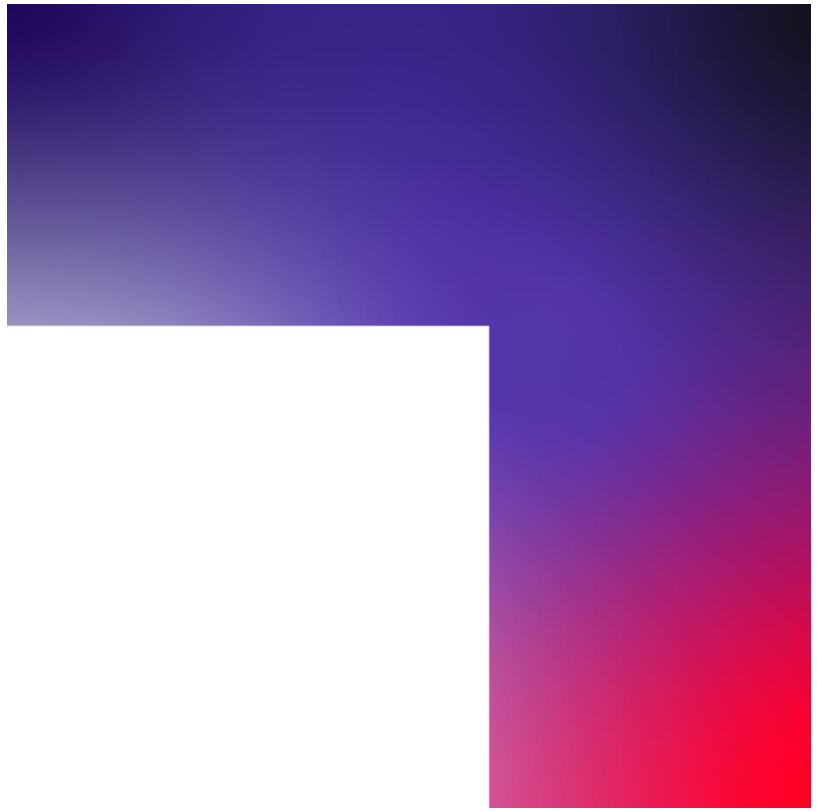

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