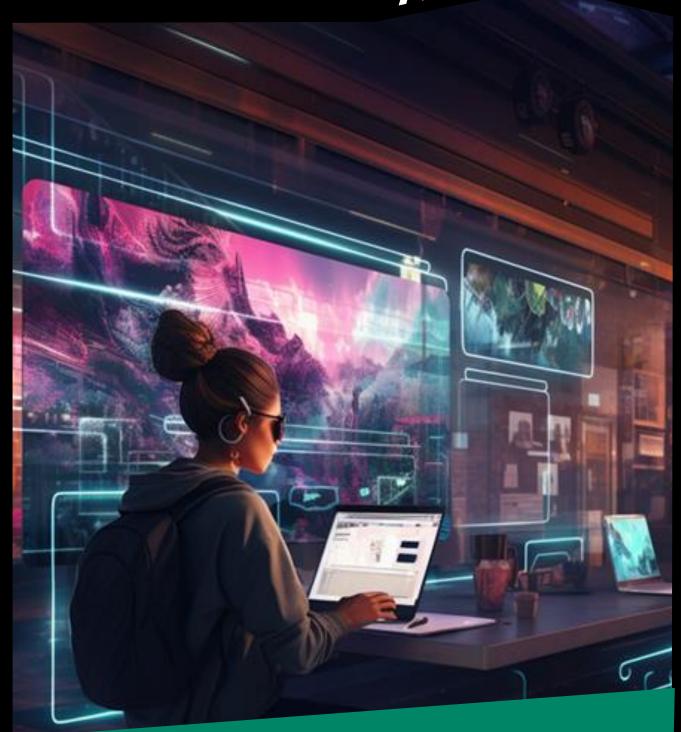ASCENDION

Generative AI (GenAI) Assessment and Implementation

About Ascendion:

Ascendion is a leading provider of AI-first software engineering services. Our applied AI, software engineering, cloud, data, experience design, and talent transformation capabilities accelerate innovation for Global 2000 clients. Ascendion is headquartered in New Jersey. In addition to our remote/hybrid workforce, we have 30 offices across the U.S., India, and Mexico. We are committed to building technology powered by Generative AI (GenAI) with an inclusive workforce, service to our communities, and a vibrant culture.

Ascendion AI, Data and Insights practice co-engineers with our clients to modernize and maximize the value of data outcomes through AI, GenAI, ML, and analytics. We maximize our clients' technology investments by applying intelligent GenAI-driven Ascendion data engineering and insights governance platforms for Data Modernization, Activated Decisioning, Transformational Analytics, Machine Learning and GenAI applications.

What offerings are we positioning here ?

Ascendion's GenAI Framework equips organizations for successful GenAI adoption. Our team empowers our clients in the journey from assessment through implementation and post implementation support. Our GenAI approach has been coined keeping into consideration critical factors such as,

- Leadership commitment and understanding benefits and/or challenges

- Addressing skill gaps in ML and AI ethics

- Evaluating and enhancing data infrastructure, tech stacks, and security

- Establishing ethical guidelines and ensuring compliance

- Implementing effective change management

- Planning for scalability and fostering cross-functional collaboration

- Prioritizing continuous learning

GenAI Assessment Framework

Ascendion's GenAI Assessment Framework, organized around Operate, Organize, and Behave pillars, encapsulates every facet crucial for successful AI integration.

- **Operate:** Comprehensive governance, streamlined processes, state-of-the-art technology, and talent readiness

- **Organize:** Adaptive organizational design, optimized physical environments, global strategy with local adaptation, and enhanced business capabilities

- **Behave:** Tech literacy in leadership, AI-augmented performance management, and incentives fostering ethical AI practices

GenAI Implementation Approach

Our approach to GenAI implementation spans the entire lifecycle

- **Current State Assessment:** Assess GenAI maturity, identify gaps in current GenAIOps, and develop a strategic plan for implementing a customized GenAI platform. For clients new to GenAI, a comprehensive roadmap from level 0 to 5 will be created, drawing on similar client experiences, use cases, and best practices.

- **Roadmap:** Craft a customized roadmap for advancing GenAI maturity, outlining the strategic steps needed for success

- **Setup GenAIOps Platform and Optimization Studios:** Implement an automated GenAIOps platform tailored to your needs, available On Premises, in the Cloud, or through a Hybrid Model

- **Model Engineering, Maintenance and Support:** Optimize team structure using an automated GenAI platform for efficient model engineering, maintenance, and ongoing support

- **Continuous Assessment:** Ensure a dynamic and evolving strategy by consistently assessing and refining the implementation approach

Ethical AI Framework

At the heart of Ascendion's commitment to responsible AI is our Ethical AI Framework. This comprehensive guide is not just a set of principles; it is a continuous journey of creating and implementing trustworthy AI, and is derived by considering factors such as,

- **Accountability:** Assign responsibility, implement logging, monitoring, and auditing mechanisms

- **Data Privacy:** Safeguard user data with anonymization, encryption, and compliance

- **Security:** Protect against adversarial attacks with encryption, secure APIs, and anomaly detection

- **Human-in-the-Loop (HITL):** Involve human oversight in critical AI decisions

- **Environmental Impact:** Minimize footprint with energy-efficient algorithms and eco-friendly practices

- **Collaboration and Stakeholder Involvement:** Foster collaboration, open-source development, involve stakeholders in design and testing

- **Continuous Monitoring and Improvement:** Regularly assess and adapt AI systems to evolving ethical considerations

Indicative Architecture for Azure

Ascendion leverages the power of Azure and our ethical AI framework to craft an indicative architecture facilitated via

- Patient Data Privacy with Azure Confidential Computing

- Addressing Algorithmic Bias

- Data Security and Compliance with Azure Security Center and Azure Policy

- Collaboration and Transparency with Azure DevOps

- Responsible AI with Azure Machine Learning Interpretability

- Cybersecurity with Azure Sentinel

ASCENDION

Ascendion is a full-service digital engineering provider. We make and manage software platforms and products that power growth, lower risk, improve how work gets done, and deliver captivating experiences to consumers and employees. Headquartered in New Jersey, our global technology and talent capabilities accelerate technology innovation for Fortune 100 clients