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Accelerate your AI enterprise journey with the **AI enterprise blueprint**

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IBM Global Chief Data Office

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AI enterprise blueprint

Introduction

In 2015, the IBM Global Chief Data Office (GCDO) was organized with a focus on optimizing cognitive projects that are being infused across IBM business processes.

In 2017, we unveiled the AI enterprise blueprint. Our goal was to showcase how IBM is approaching its transformation to a data and AI enterprise. We were able to take these processes to you as road map of where and how you can begin to transform your enterprise into a data and AI ready enterprise.

Now, it is more evident than ever, the importance of data and AI capabilities – having the ability to make smart, data-driven decisions that drive business outcomes.

We will take you through the AI enterprise blueprint and show you how the AI enterprise blueprint has evolved since 2017 as a strategic roadmap for you.

The question many leaders are asking is where do we infuse data and AI, and how do we do it? With proven use cases stemming from the GCDO, IBM can help you answer those questions in four key transformative areas.

The AI enterprise blueprint is a fusion of data, people, process and technology that results in a data and AI ready enterprise.

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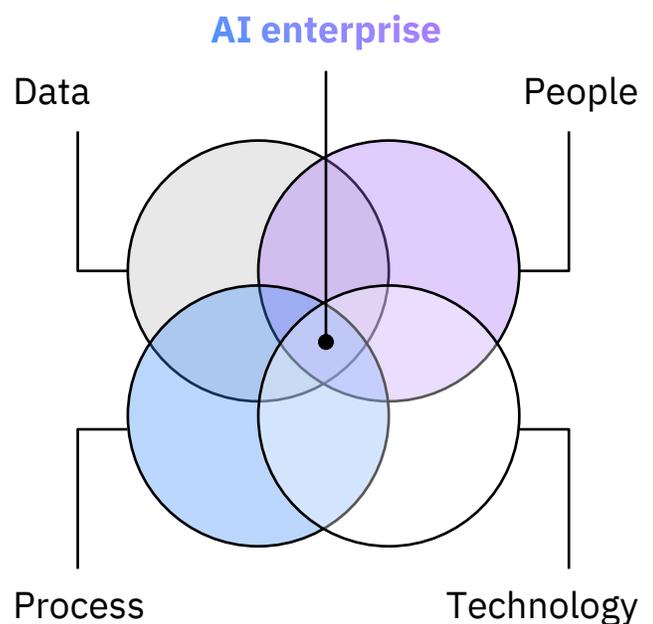
We will outline each part of the AI enterprise blueprint and equip you with the knowledge and tools to be successful transforming your enterprise.

Data

Data is the key. Data must be governed, secure, accessible and applicable. Successful data management results in improved business results.

Data scientists currently spend a large majority of their time collecting and cleaning data. The ability to complete this task with AI means data scientists have more time to uncover insights and deliver value.

In the data transformation stage, it is important for you to think about:

- Cognitive applications that can be trained using industry specific data and leading industry expertise

- Data-as-a-service, high scale ingestion and accessing data for analysis and manipulation

- Data responsibility – your data, your insights

- Self-service and out of the box tools

People

Organizations need to keep pace with data and AI technology by training existing employees on the right skills and aligning them to the data strategy. It is also imperative to actively recruit individuals with experience in data and AI – an area where talent is scarce and competitive.

All of this requires significant culture change – being aware and getting ahead requires significant change management and communication.

In the people and organizations considerations transformation stage, it is important for you to think about:

- Data strategy catalysts

- Transforming and reinvesting

- Recruiting and retain talent

- Business unit leadership

- Engaging with top technical talent such as data scientists, data engineers, and DevOps, DataOps, and deep learning specialists

- Governance and monetization expertise

- Policy and risk

- Essential communities

- Addressing culture change

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Process

Wherever there are points where significant human judgement is exercised – that's where we see an opportunity for you to infuse data and AI.

As part of this – identifying where you can keep 'business as usual' running and in parallel find opportunities to automate, implement process efficiencies, reduce complex processes and reinvest freed up resources to transformation initiatives.

In the business process stage, it is important for you to think about:

– Using previous insights to simplify and accelerate new use cases

– CDO processes can stretch across enterprise departments including technology development, information and data governance, client and product master data processes, and business integration

– CDO processes can stretch across enterprise business processes including supply chain, procurement, finance, real estate, site operations, marketing and communications

Technology

AI systems enable the ability to see and contextualize across all data. Trust – from acquisition, to quality, to access, to security – is important. This will be open by design – with fast interconnect to accelerate the AI training needed to transformation processes. Hybrid solutions – on-prem and on the cloud are important, along with enterprise cloud container support.

In the GCDO, we created the Cognitive Enterprise Data Platform (CEDP) that serves as the backbone for data and AI processes across the IBM enterprise. Previously siloed data, converges onto one platform and provides a reliable data source.

In the technology transformation stage, it is important for you to think about:

– Cognition and AI services with ability to contextualize across all data

– Cloud services are open by design including GPUs, fast interconnect to accelerate AI training

– Hybrid integration and deployment choice

– Enterprise cloud container support

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Moving Forward

At an enterprise with the size and resources of IBM, we can explore opportunities to infuse data and AI into every business process across every vertical.

We are committed to moving quickly and deploying a "fail fast, fail soft" strategy. In any setting, you cannot innovate without making mistakes. By constantly trying new methods, we can see what works and what doesn't quickly; this enables us to reach our end goal with speed.

The journey to becoming a data and AI enterprise is just beginning—and we are excited to be sharing this journey and collaborating with you as we revolutionize the enterprise space.

Let's get started today

https://www.ibm.com/analytics/chief-data-officer

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