IBM

Accelerate the journey to AI
## Flexibly manage your data as a strategic asset

The data maturity curve

As companies invest more and more in data **access** and **organisation**, business leaders seek ways to extract more business value from their organisation's data.

92 percent of business leaders say that to compete in the future, their organisation must be able to exploit information much more quickly than it can today.[1]

Chief Information Officers (CIO) need solutions that will allow them to evolve their organisation's approach to data and drive real value with strategic decisions. This journey can be depicted in a data maturity curve.

Data Maturity Curve
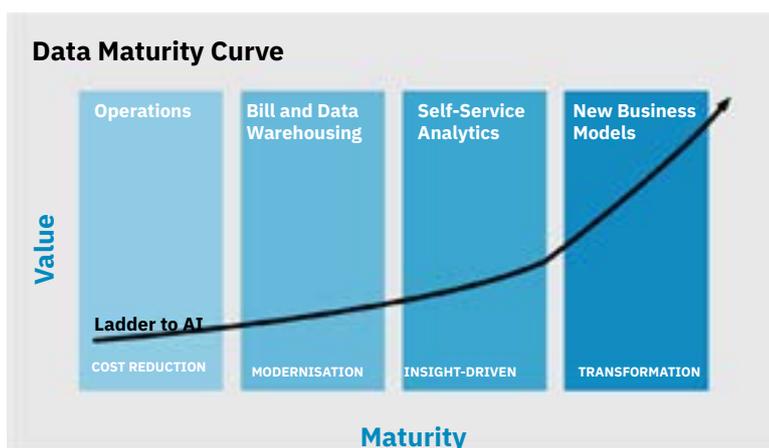
Key insights
- The data maturity curve
- A critical juncture for AI
- Introducing IBM® Cloud Private for Data
- IBM Cloud Private for Data summary

Organisations at the beginning of the curve have learned to apply data to operations, usually with an emphasis on cost reduction. As their data maturity progresses, their use of information expands, shifting the focus to business intelligence. Organisations at this level have modern data operations, but may not have incorporated artificial intelligence (AI) into their business decisions yet.

At the top of the curve are enterprises that have achieved full data maturity, established self-service analytics and are able to use AI to transform their business.

CIOs and business leaders on this journey toward AI and data maturity seek solutions that help them leverage existing on-premise data while conducting advanced analytics in the cloud.

A critical juncture for AI

The insights-driven business of the future is here. In a recent survey, 83 percent of corporate executives indicated AI is strategically important to their business[2]. AI and data modernisation have become a requirement to stay competitive in many industries. 72 percent of business leaders believe a competitor will use data and insights to disrupt their business within the next three years.[3]

Market leaders have already progressed their data strategy to embrace AI, but most organisations still have a long way to go. As companies move toward fully adopting AI, they face a series of decisions and challenges related to information architecture. From building a solid data foundation, to delivering trusted insights to key decision-makers across the company, CIOs and other IT leaders must build a comprehensive data management strategy that supports their journey to AI.

In a world where disruption is the norm, businesses that harness AI will become industry leaders. However, many businesses looking to accelerate their journey to AI must leverage data behind their firewall to support transformational insights while maintaining data security needs. IBM Cloud Private for Data can enable this progress for these organisations.

Introducing IBM Cloud Private for Data

IBM Cloud Private for Data offers an integrated, end-to-end platform for high performance analytics that enables companies to reach their data maturity goals. This solution allows critical data to remain securely behind the private firewall, while being accessed by cloud-based applications to generate new insights.

As an all-in-one solution, IBM Cloud Private for Data empowers organisations to put their data to work quickly and efficiently. It enables all data users to collaborate from a single interface, rather than requiring the deployment and connection of multiple applications. This connected platform provides the ability to access and govern data, regardless of where it lives, so it can be used for analysis with a wider range of applications. By leveraging these analytics solutions, your team can generate meaningful insights and drive transformation across the enterprise.

Using **Kubernetes**, IBM Cloud Private for Data clients can provision new infrastructure in minutes. The platform's in-memory database ingests more than **1 million events** per second.[4]

IBM Cloud Private for Data summary

IBM Cloud Private for Data's catalog of microservices brings together key capabilities from IBM's portfolio of analytics solutions. These capabilities include tools for leveraging on-premise data with cloud-based analytics tools, building the right foundation for data maturity and generating meaningful insights to drive business value.

- **Protect your data –** IBM Cloud Private for Data helps enterprises retain complete control of their data by porting only the insights – not the underlying data – to public cloud applications. This allows organisations to tap into the benefits of public cloud while maintaining all the data behind the firewall of their private cloud

- **Organise your data –** IBM Cloud Private for Data helps users find existing data, request access to data and easily collaborate with colleagues across the organisation. With these capabilities combined, you can spend less time finding and managing data and more time using it effectively to create insights to drive business decisions. An enterprise data catalogue helps create cohesive information architecture by ensuring that your data is mapped to a standard set of business terms and follows information governance policies and rules

- **Scale insights to innovate –** IBM Cloud Private for Data provides an integrated, end-to-end data and analytics information architecture that catalogues and governs your data. The platform collects data to make it simple and accessible, organises data to build a trusted analytics foundation and makes data available for analysis to scale insights on demand

- **Prepare for AI –** IBM Cloud Private for Data minimises the time and expense needed to create meaningful insights while expanding analytics capabilities. In order to successfully adopt machine learning and AI, organisations need to be able to rely on meaningful and trustworthy information. Disparate data must be in a consistent format and organised into a single access point to provide the most value. With IBM Cloud Private for Data, you can move from raw data to trusted data. At that point your organisation is ready to analyse that data to gain insights that can enable you to drive better business outcomes.

Read about empowering the new data developer.

Learn more about IBM Cloud Private for Data.

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1. https://www-01.ibm.com/marketing/iwm/dre/signup?source=urx-15504&S_PKG=ov57855&disableCookie=Yes
2. https://www.forbes.com/sites/louiscolumbus/2017/09/10/how-artificial-intelligence-is-revolutionizing-business-in-2017/#50b179c85463
3. https://www.ibm.com/thought-leadership/chief-information-officer/accelerate/resources/from-data-to-disruption.html
4. https://www-03.ibm.com/press/us/en/pressrelease/53801.wss

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