![NTT DATA logo]

Consulting Services

AI is ready for you, but are you ready for AI?

Our Readiness Assessment will help you identify the path to implementing AI within your organization.

Do you want to implement AI for impact in your organization?

IT complexity and an overwhelming volume of data are making it increasingly difficult to manage diverse systems, applications and technologies. For optimal functionality, you need seamless integration, efficient orchestration and new methods of analysis and decision-making.

Artificial intelligence (AI) can help you navigate this intricate IT ecosystem and make sense of vast datasets. AI algorithms can sift through massive amounts of information to extract meaningful insights and patterns – and provide the insights you need to streamline operations, enhance efficiency and enable agility needed to thrive in the face of technological intricacies and data abundance.

Get ready for AI

Implementing AI is not all about the technology. It's also about having the right ecosystem to adopt this type of solution.
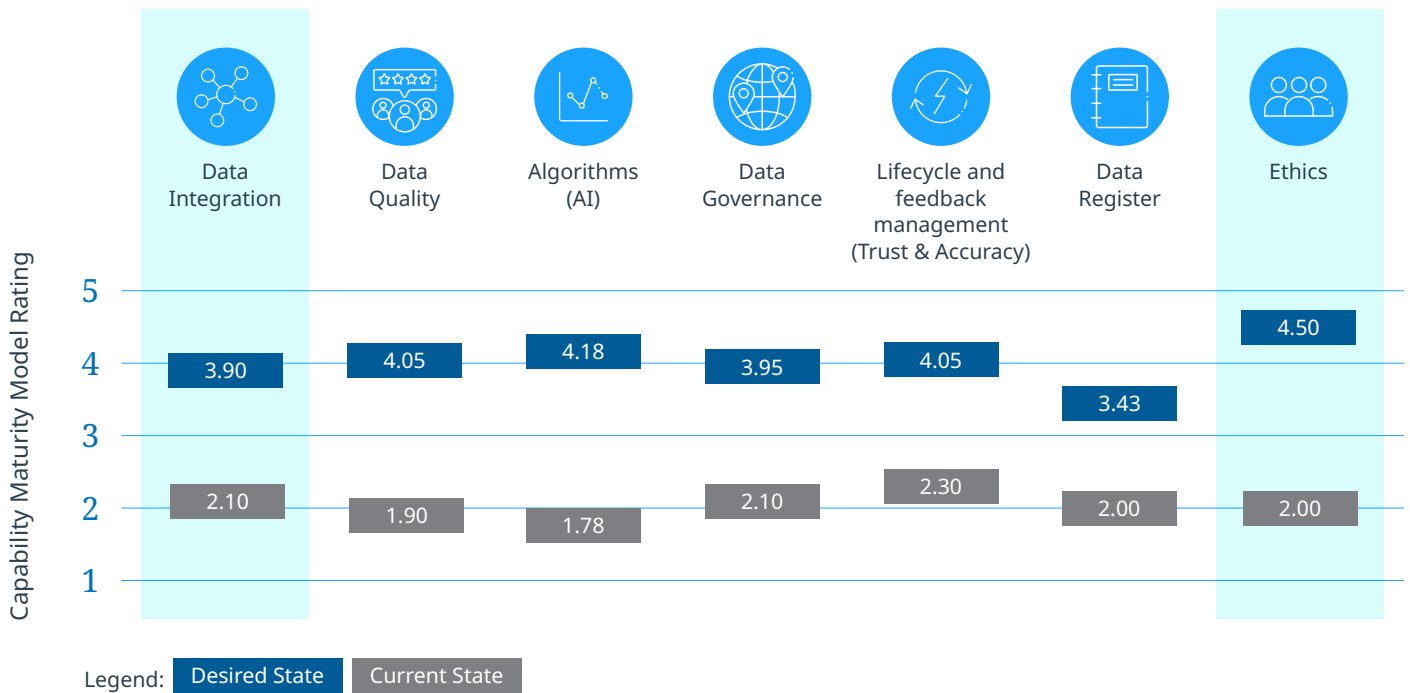
Our three-week Readiness Assessment is a comprehensive evaluation of an organization's preparedness to implement and leverage AI technologies.

It will help you to:

- Determine your current capabilities
- Identify gaps
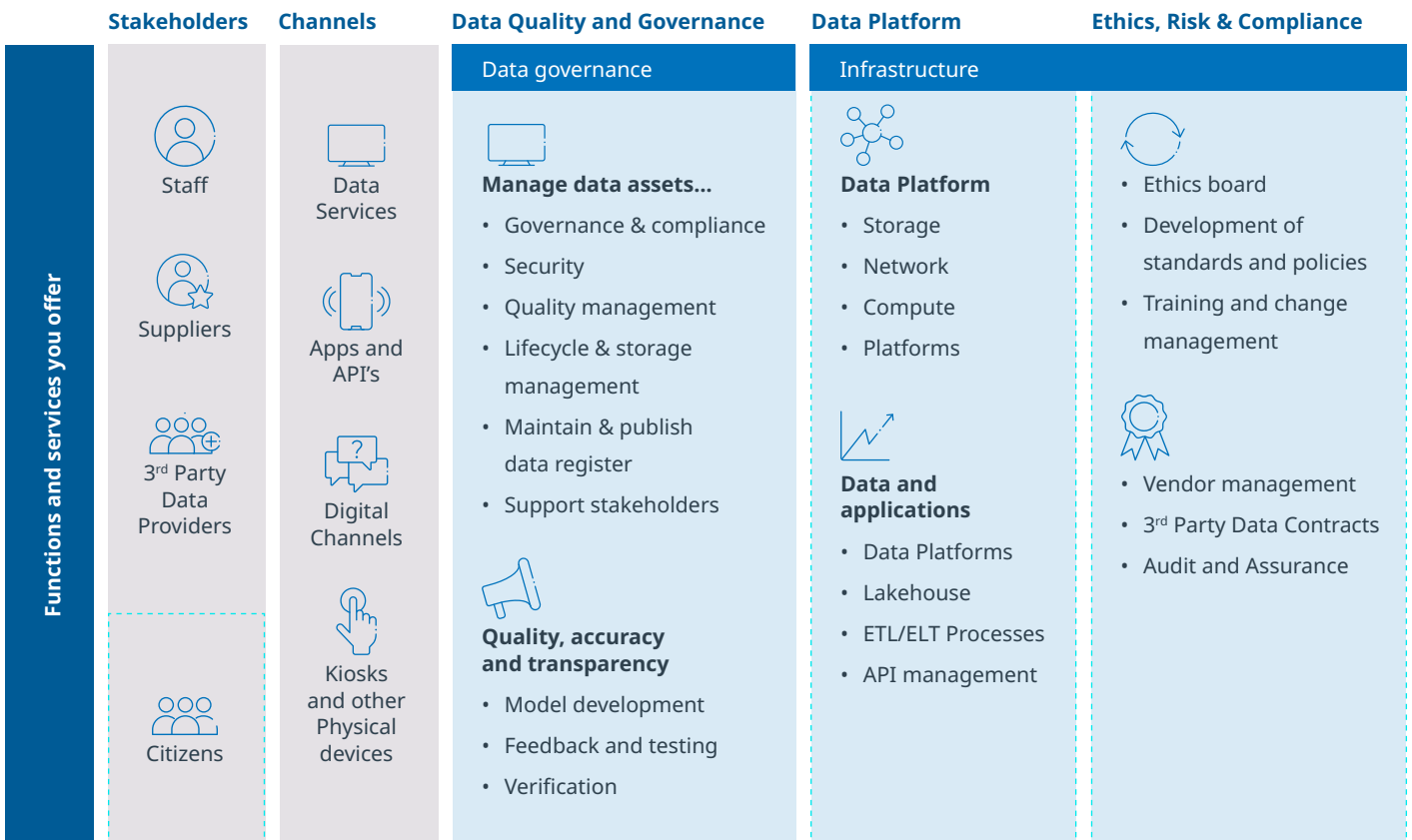- Develop a strategic plan for effectively adopting AI

The assessment leverages our comprehensive framework, which integrates secure AI, ethics, governance, accountability, transparency, and excellence in data quality to provide you with a robust structure for responsibly and securely navigating the realms of AI.

AI Readiness Framework Example

	Data Integration	Data Quality	Algorithms (AI)	Data Governance	Lifecycle and feedback management (Trust & Accuracy)	Data Register	Ethics

Capability Maturity Model Rating

Category	Desired State	Current State
Data Integration	3.90	2.10
Data Quality	4.05	1.90
Algorithms (AI)	4.18	1.78
Data Governance	3.95	2.10
Lifecycle and feedback management	4.05	2.30
Data Register	3.43	2.00
Ethics	4.50	2.00

Legend: Desired State | Current State

NTT SAFEGATE: Secure AI Framework Ensuring Governance, Accountability, Transparency, and Ethics

A comprehensive framework integrating Secure AI, **Ethics**, Governance, Accountability, **Transparency**, and Excellence in Data Quality, providing organizations with a robust structure for **responsibly** and securely navigating the realms of artificial intelligence.

Functions and services you offer

Stakeholders
- Staff
- Suppliers
- 3rd Party Data Providers
- Citizens

Channels
- Data Services
- Apps and API's
- Digital Channels
- Kiosks and other Physical devices

Data Quality and Governance

Data governance

Manage data assets...
- Governance & compliance
- Security
- Quality management
- Lifecycle & storage management
- Maintain & publish data register
- Support stakeholders

Quality, accuracy and transparency
- Model development
- Feedback and testing
- Verification

Data Platform

Infrastructure

Data Platform
- Storage
- Network
- Compute
- Platforms

Data and applications
- Data Platforms
- Lakehouse
- ETL/ELT Processes
- API management

Ethics, Risk & Compliance

- Ethics board
- Development of standards and policies
- Training and change management

- Vendor management
- 3rd Party Data Contracts
- Audit and Assurance

How it works

Each dimension of our Readiness Assessment covers the core elements of what makes up an AI organization, based on our experience. These are:

Ethics and responsible use

Developers and organizations must emphasize transparency, fairness and accountability throughout the creation and deployment of AI systems. By adhering to well-defined ethical guidelines, we can ensure that AI contributes positively to society while mitigating potential risks.

Data governance

Data management platforms and processes must ensure appropriate governance over the acquisition, quality, storage and usage of data. This includes maintaining a complete audit trail and data lineage for all data elements. The origin, source and movement of data elements and any changes to these elements must be tracked over time and be easily viewable by auditors and users. Data governance ensures that data used for training AI models is accurate, reliable, and aligned with ethical standards. This helps to mitigate the risks of using AI and maximize the value of AI-driven insights.

Data quality

Data quality is crucial in AI because it directly impacts the performance, accuracy and reliability of AI models. High-quality data enables models to make better predictions and produce more reliable outcomes, fostering trust and confidence among users. Ensuring data quality also means addressing biases present in the data, which is essential to avoid perpetuating and amplifying these biases in AI-generated outputs.

People and capability

Because AI relies on data as its core input, data literacy – understanding how to work with data – is a foundational skill for anyone preparing for AI implementation. If senior leaders don't understand or trust data, they won't use AI models. When there's a mismatch between an organization's existing culture and capabilities and emerging tactics to exploit analytics successfully, the approaches used often don't align with how managers arrive at decisions. Tools seem to be designed for experts in modelling rather than for people on the frontlines, and few managers find the models engaging enough to champion their use. Successful AI adoption therefore requires thoughtful cultural and organizational change.

Tools, technologies and solutions

AI solutions must be able to respond to changing business needs, legislative requirements and business processes; new enterprise data-generating solutions and data sources; data and information model evolution and shifting internal capabilities. AI tools and technologies must be architected to support change quickly, and processes underpinning their governance and ongoing operation must reflect this need to rapidly evolve.

Security

Security in AI encompasses safeguarding AI systems against vulnerabilities, unauthorized access and malicious attacks. With AI security solutions, you can detect anomalies, defend against threats and protect sensitive data, thereby ensuring the reliability and trustworthiness of AI-driven applications.

Each dimension of our assessment incorporates a series of questions and maturity indicators. Comparing your current practices to these indicators allows you to quickly assess your current AI maturity level and what's required to get to the next level. The maturity indicators visually illustrate current-state maturity against each dimension along with aspirational target maturity levels.

Get in touch

If you'd like to find out more about our AI Readiness Assessments, speak to your client manager or contact us at au.info@global.ntt

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