NTT DATA
Services

Modernize Your Data Ecosystem for Accelerated Insight

NTT DATA Intelligent Data Services

Benefits:

- Accelerate time to value across data and intelligence initiatives
- Integrate big data, IoT, natural language processing, machine learning and deep learning into a unified platform
- Make cognitive solutioning easy
- Provide flexibility and easy adaptability to meet organizational needs for digital transformation

Is your organization limited in the types of data analytics it can produce? Is your budget overwhelmed by the expense of ETL (extract, transform, load) activities? Does every new insight require months of project execution time?

NTT DATA Intelligent Data Services (IDS) helps you unlock insights from any data. We provide a flexible set of services that easily integrate with your existing analytics investments to create an end-to-end data ecosystem. IDS addresses a full spectrum of use cases for the latest technological advancements — including business intelligence, big data, fast data, internet of things (IoT) sensing, machine learning and deep learning — all within a single user-friendly platform.

What's more, you can choose any leading cloud provider to host our platform, including Amazon Web Services (AWS), Microsoft Azure and Google Cloud, utilize NTT DATA's private cloud services or implement hybrid cloud for a custom, combined solution.

Let NTT DATA modernize your data ecosystem and make it easy to use

Business success today relies on your ability to take quick and informed action on the data available within your organization. This involves harnessing various types of data from a growing number of data sources and managing it to build a unified digital intelligence ecosystem. Analytical data insights supported by machine learning, automation and other intelligence systems help you decide the best course of action for your business.

With IDS, we begin with an advanced data ecosystem that's capable of not only ingesting data from varied sources but integrating and visualizing it, too. Our artificial intelligence (AI) studio then creatively applies the industry's most advanced AI technologies to a variety of use cases until it discovers the optimal machine learning innovation. The solution provides a solid foundation for continuous enhancement — building toward the ultimate goal of a self-driving business.

NTT DATA Intelligent Data Services

Enhance your speed to insight

IDS accelerates your access to insight by simplifying:

- **Data integration:** Makes data blending simple by using drag-and-drop tools to create the data sets needed for each use case. IDS enables the use of popular data integration tools, such as Alteryx and Talend, to optimize productivity.

- **Data visualization:** Easily creates graphical and interactive visualizations. Our platform allows you to plug in powerful tools, such as Tableau and QlikView, to enable your users to facilitate insight through advanced data visualizations.

- **Data science:** Automates and enhances results with machine learning. Our AI studio utilizes tools such as DataRobot, combined with a variety of prediction engines and sophisticated data science toolsets, to reduce the need for data scientists. We help you rise above the competition to derive unprecedented prediction and intelligence from data.

Features include:

- Rapid deployment of data management and data lake infrastructure
- Elastic, cloud-based services priced on a consumption (pay-as-you-go) basis
- Open-source alternatives to all technology needs
- Integration with leading third-party software products, in place of open source, for enhanced features or software support
- Industry-specific data microservices as building blocks for common use cases
- An advanced set of analytics and AI tools

Reduce the cost of your administration

We implement IDS through automation in a server-less, containerized, hybrid-ready environment. IDS adapts to and leverages your existing investments (such as current data warehouses, data lakes and ETL jobs) for a complete, modern data ecosystem.
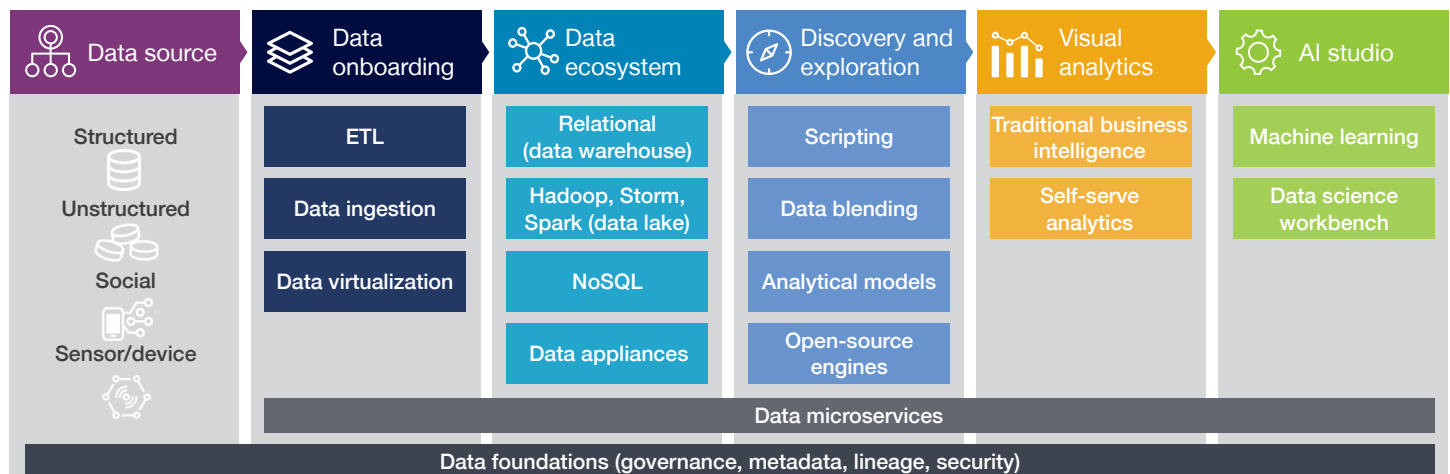
Figure 1: IDS completes the modern data ecosystem with a full range of services

IDS accelerates data onboarding beyond standard ETL to include advanced forms of data ingestion and data virtualization. The data ecosystem can handle a wide variety of data at any scale, both in terms of size and speed of change. It addresses structured information with relational databases, unstructured data with NoSQL databases, and data lake storage with technologies such as Hadoop, Storm or Spark. This enables discovery and exploration with scripting and data blending technologies. Visual analytics integrates traditional business intelligence technologies that exist within your enterprise with advanced visualization tools to empower self-service for your business analysts.

By supporting these services with automated scripts, infrastructure deployment takes mere hours rather than weeks — significantly reducing administration costs.The architecture also enables scaling out and up, and adapting to future capabilities with rapid enhancement.

Address the unique use cases of your industry

IDS uses industry-specific use cases to get you the maximum value available from your data. We modernize your data architecture and address your unique needs with help from industry consultants to quickly bring you the solutions most relevant to your industry.

Visit **nttdataservices.com** to learn more.