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Modern Data Platform

Leverage the power of data to achieve efficiencies and drive success

Gain valuable insights through efficient data management and analysis. Leverage our Modern Data Platform service, built on Microsoft Azure, and lay the foundations for your enterprise analytics program.

The volume of data within your organisation is growing exponentially. This data exists across all aspects of your organisation, from sales performance to data on employees, finance and systems performance. This data is critical to your organisation and, when managed effectively, holds significant value and insight that will help streamline your operational approach. Organisations of all sizes can benefit from using data as a powerful tool to streamline, focus and grow their revenues.

In these challenging times where every organisation has to hone in on what brings in revenue, retaining staff, and optimising costs, using the power of

your own data and unleashing its potential will help you achieve your goals. Our Modern Data Platform service brings together data and cloud experts with a flexible, templated and automated approach to creating a customised scalable data platform on Microsoft Azure. This cloud-native analytics infrastructure solution can cost-effectively ingest, integrate, transform, serve, and manage an almost unlimited amount of data of any type.

Your Modern Data Platform will be tuned to facilitate your unique analytics outcome goals—whether they are self-serve analytics, Machine Learning (ML), or application integration, the choice is yours.

Modern Data Platform Features

Your Modern Data Platform will open a world of opportunities to use your data to drive business value like never before:

- **Self-service analytics and machine learning.** Modern Data Platform enables self-service analytics for both technical and business users. It provides easy access to both structured and unstructured data, and integrates easily with available cloud data science services to streamline deployments and optimise costs.
- **Cost-Effective and Scalable.** Modern Data Platform reduces your cost-per-answer and time-to-answer. It's customised for your data, and your particular use cases, to address your immediate analytics requirements and to grow as your needs evolve. In other words, you can start with just one business need or question, then expand the service as required.
- **DataOps.** Modern Data Platform helps you adopt a DataOps program so you can better align your data management with your business goals. By enabling automated, repeated processes and building business rules into your custom data platform, Modern Data Platform allows you to streamline data management practices and processes that improve the speed and accuracy of analytics, data quality, integration, and data model deployment and management.
- **Centralised management.** No more data silos! Your multi-source integrated data is always up-to-date, so your entire organisation is consistently working from a single platform. This means everyone in your company is always working from a single source of truth using the analytics tools of their choice.
- **MLOps.** MLOps is a set of practices to streamline collaboration between data scientists and your operations team. Six Degrees provides management and orchestration services to help you manage the lifecycle of your machine learning model training and deployment workflows for more reliable models and better results.

Enabling your brilliance

Modern Data Platform Highlights

- ✓ Single platform for both data lakes and data warehouses
- ✓ Handles structured, unstructured and semi-structured data
- ✓ Ingests data in either batch or real-time from any source: database, API, SaaS, CSV, JSON, streaming
- ✓ Enables scheduling and orchestration
- ✓ Automates data transformation
- ✓ Provides data cleansing and management
- ✓ Enables model development and schema management
- ✓ Supported by Six Degrees with 24x7 monitoring of pipeline SLAs

Your Modern Data Platform Journey

We use proven methodologies and reference architectures, automation and templates to you get your Modern Data Platform right the first time, on time, so you can start seeing value from your data faster.

We help you every step of the way, throughout the planning, implementation and management of your Modern Data Platform.



Plan

Organisations that want to become data-driven, or want to take advantage of emerging opportunities like ML and AI (Artificial Intelligence), need a data strategy. We enable you to:

- Develop your data platform strategy, prioritise your use cases and map your desired outcomes to the data model you need to make this possible.
- Mitigate future risks with advanced planning to confront common challenges associated with managing and scaling your data—from schema evolution to data lineage to data quality tracking to cloud cost optimisation.
- Develop the best reference architecture to meet both today's and tomorrow's needs, ensuring your Modern Data Platform will grow with you.



Implement

Want to get up and running fast? Six Degrees can have your Modern Data Platform set-up, three data sources ingested and your first use case data model created in 90 days if you start with our Pilot Modern Data Platform! Our experts help you:

- Design and build your infrastructure as code (IaC) with Continuous Integration (CI)/Continuous Deployment (CD) pipelines.
- Migrate from your legacy data warehouse.
- Ingest data from any source, and put your data to work.
- Apply DataSecOps practices to ensure you have peace of mind.
- Eliminate data silos and organise any and all data in support of your goals.



Manage

Our cloud-native Modern Data Platform continuous transformation and support services take care of maintenance needs, and you have the option to add limited duration projects for additional value-add services. Management services include:

- 24x7 infrastructure monitoring and alerting
- 24x7 pipeline monitoring and alerting
- 24x7 security monitoring and alerting
- Data management
- System optimisation
- Cost optimisation



Ready to speak to our experts about how your Modern Data Platform will enable your organisation to leverage the power of data to achieve efficiencies and drive success? Visit 6dg.co.uk/data to learn more.