Microsoft Partner
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New Challenges, Cutting-Edge Solutions: The Modern Data Platform

Forrester Report

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As the role of data in enterprise organisations evolves, the IT infrastructure used to leverage it has to modernise as well. In the traditional model, data was centralised in a single data warehouse and used by a few in-house experts. Now, as new ERP, CRM, LOB and other applications are developed and rolled out, the role of data is transforming and the importance of gaining insights from these sources is unmistakable.

Simply put, the flood of data coming from social media, web, and IoT sources has transformed the data handling requirements of the modern enterprise, and their IT needs to evolve along with it.

Modern Challenges

The biggest challenge in undertaking this modernisation is that most organisations are not equipped at the infrastructure level to handle the era of big data. Big data is characterised by both the volume and the velocity of incoming data, and most organisations did not anticipate either of these characteristics when designing their existing data infrastructure. The magnitude of the problem is so great that, as Gartner puts it, “Data warehousing has reached the most significant tipping point since its inception. The biggest, possibly most elaborate data management system in IT is changing.”

In order to develop modern business insights, two levels of modernisation are needed. The modern data warehouse needs the ability to handle the volume of incoming data to glean meaningful insights from it, and needs the processing power to do so in real time. Once the warehouse is able to manage the velocity and volume of incoming data, it can be leveraged by business analysts and data scientists to make an impact on the business.

Most traditional data warehouses were architected to act as a sort of central repository for company data. The archetypal warehouse used data from all the transactional systems associated with an enterprise combined with the classic extract, transform and load procedure to convert disparate data sources into a uniform structure and a relational data schema. Finally, the warehouse used batch processing and a roster of pre-defined reports to increase operational predictability.

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The Modern Data Platform

In contrast, a modern architecture like Microsoft Data Solutions SQL and Azure offerings is designed for flexibility to drive complex and unique business analytics insights. Modernising also brings the reduce costs and increased security that comes with using state-of-the-art technology. The end result is that customers end up with enhanced productivity, reduced costs, and increased security when implementing a Data Platform Modernisation project. In fact, a recent study by Forrester looked at over 50 migration projects and found that, in the average case, customers saw an ROI of 113% in less than 10 months of completing the project.

Aside from the cost savings, perhaps the biggest benefit of upgrading to a modern is the ability to incorporate the myriad streams of data coming from the whole universe of applications and use that data to drive real-time business decisions. With an architecture that's designed with big data insights in mind, you can get the insights you need at the instant you need them. And because the architecture is designed for flexibility, you can tie in with the complete suite of fully supported solutions and technologies that compromise the modern enterprise. That same flexible design also means you don't have to commit to a single deployment strategy: on-premises, cloud, or hybrid are all supported.

dsp Cloud Services

Discovery	Migration	BluePrint	Support
An independent view to determine what is possible with current databases and applications.	An industry leading Cloud Migration Service for databases and applications.	BluePrint is our unique 'Solution, Design and Architecture' service, mapping best practice to the cloud.	Deploy mission-critical applications on Microsoft Azure and utilise our DBA team to support them.

Why dsp?

As a Tier 1 CSP, dsp excel in transforming data into intelligent action via:

- Management of all data in a mission critical, scalable, secure way.
- Delivering deep insights across all data via BI and Advanced Analytics.
- Utilising existing skills and investments.
- Providing a consistent experience on-premises and in the cloud.

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