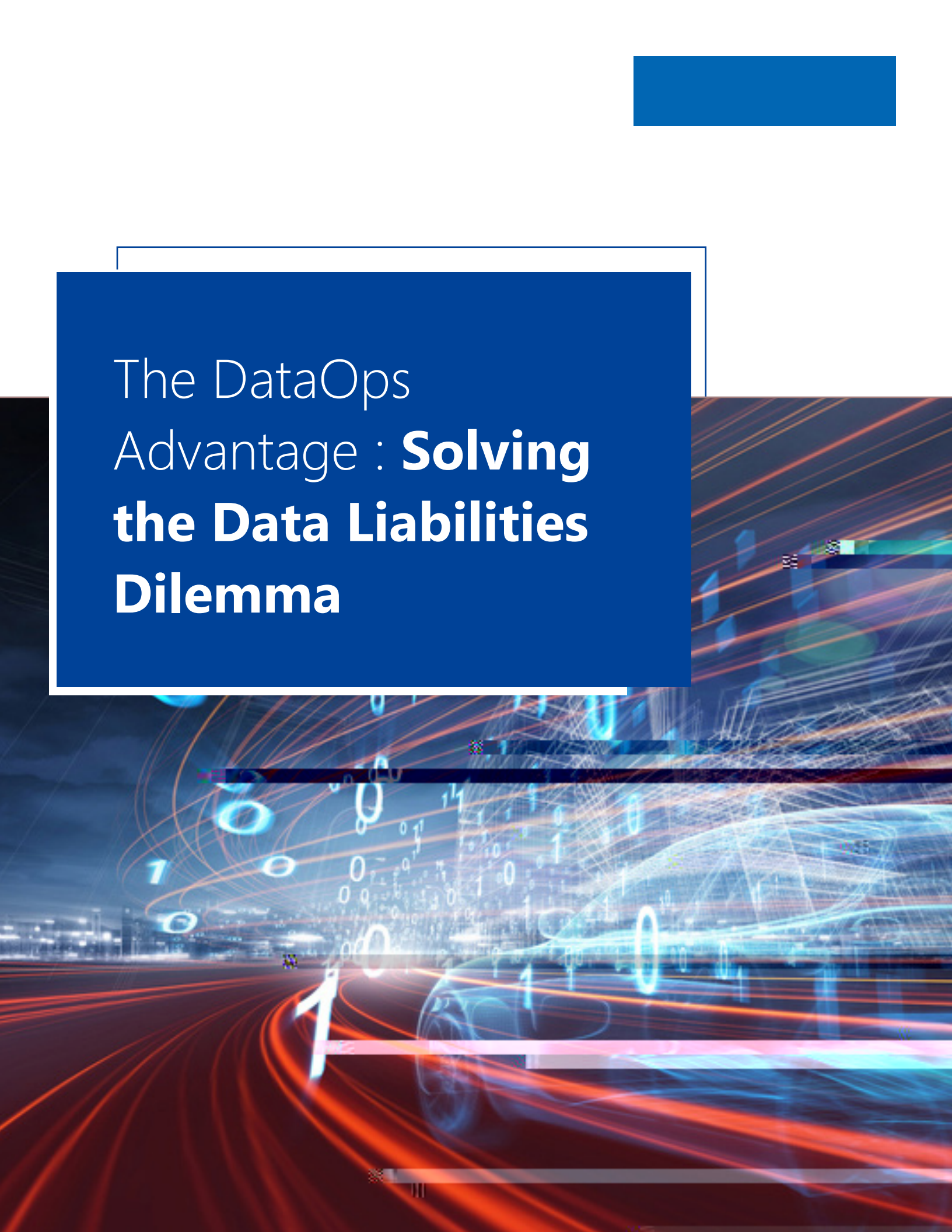
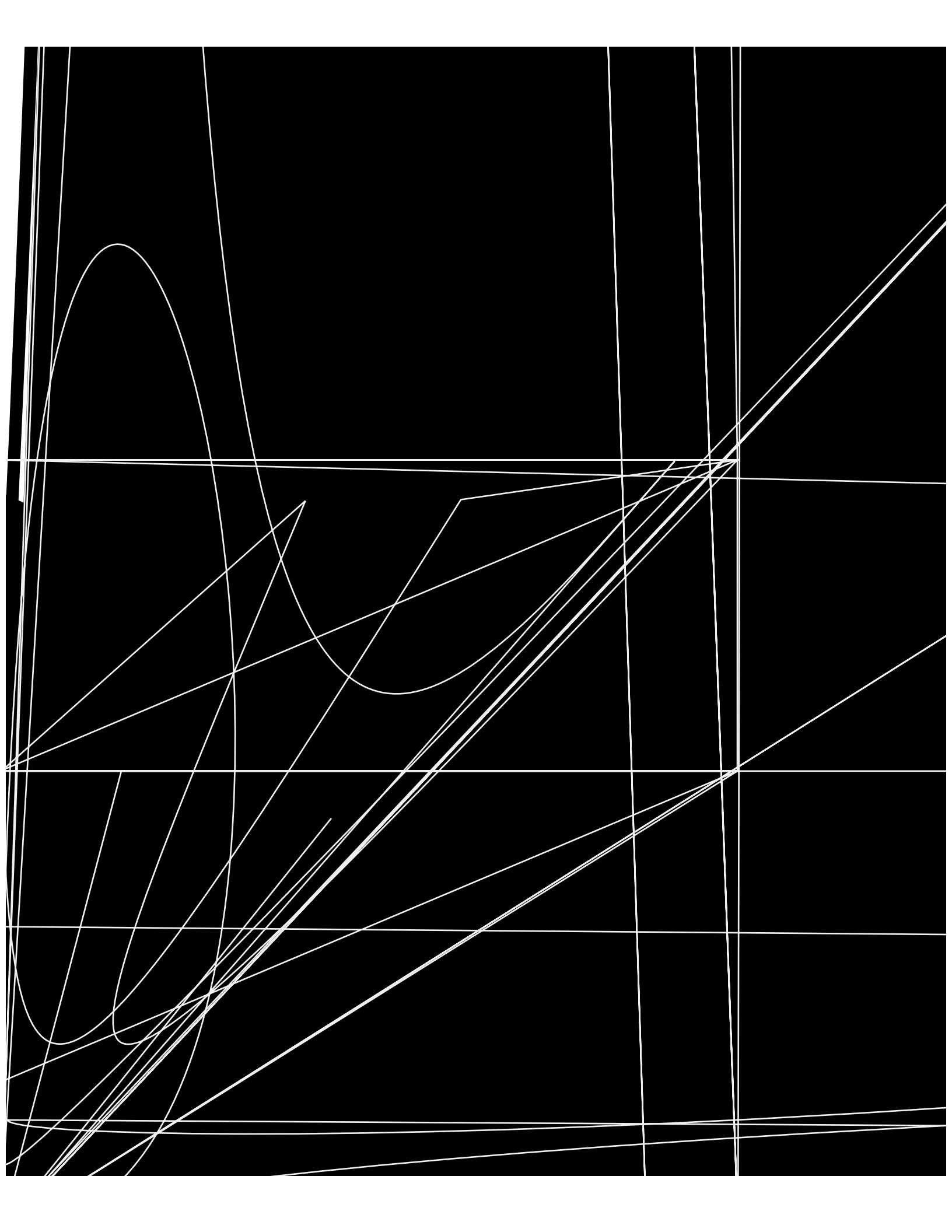


The background of the slide is a complex digital visualization. It features a dark blue and black base with vibrant red and orange light trails that curve across the frame, suggesting high-speed data flow. Scattered throughout are glowing blue and white binary digits (0s and 1s). A faint, wireframe-like structure resembling a car or a futuristic vehicle is visible in the lower right. The overall aesthetic is high-tech and futuristic.

The DataOps Advantage : **Solving the Data Liabilities Dilemma**



Among the biggest technological obstacles that companies must overcome are data liabilities.

Data liabilities are anything that hinders the consumption of data as an asset—such as flawed data, security issues, data debt, data waste, and even the lack of data literacy. Data liabilities must be addressed for organizations to leverage data to drive positive business outcomes.

Poor data security ►

Data security is a major issue. In fact, 64% of companies have experienced a data breach in the past two years.⁶ Issues can range from lack of encryption to improper access credentials to not understanding how sensitive data is used.

Low-quality data ►

DataOps Solves the Data Liabilities Dilemma

What Is DataOps?

DataOps is an emerging data analytics and operations discipline that improves the communication, integration, and automation of data flows across an organization. Combining Agile development, DevOps methodologies, and process controls, DataOps includes everything required to capture, process, scrub, store, secure, and manage data.

The goal of DataOps is to improve data management practices and create a predictable cycle for the delivery and change management of data, data models, and artifacts. DataOps applies the DevOps continuous delivery framework to data and uses processes and automation to improve the use and value of data in a dynamic environment.

DataOps introduces the governance, quality controls, and rigor needed to address data liabilities. DataOps shortens the end-to-end data analytics cycle, from the origination of ideas to the creation of charts, graphs, and models that inform business decisions.

Of course, the data lifecycle relies upon people in

addition to tools. For DataOps to be effective, it must manage collaboration and innovation. To this end, DataOps introduces Agile Development into data analytics, to enable data teams and users to work together more efficiently and effectively. Agile methods govern analytics development and enable organizations to act quickly in response to shifts in customer requirements and market trends.

Faster data processing ►

DataOps reduces the time required to process and analyze data, driving greater efficiency.

Real-time data insights ►

Faster processing time can enable real-time insights that increase business agility.

Improved data quality and reliability ►

DataOps reduces the chances for flawed data by inserting automated quality controls into data collection, processing, and output processes.

Data prioritization ►

DataOps enables organizations to identify and analyze just the data that is needed and ignore the data that provides no value.



Take a Targeted Approach

Identify, inventory, and prioritize critical data liabilities and bottlenecks within your organization that are impacting your business. Narrow this list to isolate opportunities to solve data liabilities and bottlenecks through the application of DataOps principles. Establish clear and measurable objectives. Conducting a small pilot can help demonstrate value and learnings that you can apply on a larger scale.

Involve Key Players

Buy-in and close collaboration between teams is essential to a good DataOps strategy. Identify the key players, their roles and responsibilities, and coordinate activities between them. Ensure that they understand your motivation, objectives, and the value that you are trying to deliver.

Build and Communicate Processes

A key part of DataOps is implementing well-defined processes and workflows for all stages of the data pipeline, from building to testing to deploying to measuring. Monitoring data ingestion, engineering, and analytics is critical to ensuring that data is delivered properly. Consider leveraging technologies to help if they integrate with existing solutions.

Measure Outcomes

Capture the outcomes of DataOps. What data liabilities were resolved? How much time was saved? How quickly was data delivered? What was the impact to the business? Document key learnings and ideas to improve the data pipeline. Metrics and learnings can help enhance your existing pilot and inform the creation of your next pilot.

Regardless of your company's size or where you are in your cloud journey, DataOps principals empowered through a robust technology ecosystem provide compelling business value and outcomes. Starting small is a fantastic way to get your feet wet.

You can also reach out to Beyondsoft. Beyondsoft has a deep history of empowering companies around the world through high quality IT services, including data

analytics and DataOps. At the heart of our success is a diversely talented team of 14,000+ experts who thrive on innovation. With 32 delivery centers distributed across five continents, our presence in both mature and emerging markets enables us to respond quickly to customers' needs on a local, regional, and global level.

Contact us today to learn how we can help you get started with DataOps.

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