kyndryl.

Build a scalable data platform: Data Modernization with Elastic

Highlights:

– Evolving enterprise digital environments demand a modern data platform

– An end-to-end approach to building a data platform is crucial

– See what a modern data platform can do for you

Medium to large enterprises across the globe are facing many operational challenges:

– Growing costs

– Data access concerns

   i. Slow access to historical data

   ii. Fragmented observability data

– Difficult cloud transformations

– SaaS integrations

– Developing a virtual presence

Solving these challenges is pivotal for enterprises to stay relevant and adapt quickly to changing markets, user needs, and user behavior. One key to success is to develop a modern data solution that can aggregate large-scale real-time observability data into a modern scalable data platform. This platform must be able to handle data volume and velocity and function as a single source of truth to help ensure data veracity. The platform must also include a range of data serving capabilities.

Kyndryl's partnership with Elastic turns your data into a competitive asset

This partnership offers Data Modernization with Elastic. Our reusable 200+ data integration and parsing assets, 10 domain-based analytics assets, and five patent categories support quick turnaround. This includes extracting data from standard data sources like operating systems, standard technology logs, API calls that interface with monitoring tools and more. The service enables easy and standardized data collection, quick parsing, and data enrichment and anonymization methods that can be applied to a wide range of use cases.

The service consists of assessing the existing data lake environment, including Elasticsearch, understanding the integrations involved, creating a migration strategy, and migrating to Elastic in the public / private cloud, or to the Elastic SaaS offering through Elastic Cloud.

Evolving enterprise IT environments demand a modern data platform

Today's enterprises face an unprecedented level of change, driven by elements of digital transformation, such as the following:

– Virtual environments transitioning towards serverless environments
– Monolithic applications transforming to microservices
– Traditional and emerging environments demanding a diverse set of monitoring tools
– An explosion of data resulting in multiple data repositories
– The need for an integrated view of the hybrid IT infrastructure, application services, and end-user experience

Data silos can prevent enterprises from having a single source of truth or a unified platform for end-to-end visibility. Plus, legacy monitoring systems and processes (or no monitoring at all) hinder visibility into the overall digital environment.

To keep up with data growth, and put it to use, enterprises need a modern data platform that can collect, analyze, store, and serve the right data at a moment's notice.

An end-to-end approach to building a data platform

Building a modern data platform is not a trivial undertaking. Data Modernization with Elastic can help your enterprise navigate the process from start to finish. The service includes all of the following phases:

– Assessing data sources and data volume
– Designing a modernization strategy and planning architecture goals
– Establishing data management and retention policies
– Testing, validating, and performing the data migration
– Performing in-migration / post-migration testing and validations
– Parallel and cutover phases
– Preparing backup and failover policies and procedures

See what a modern data platform can do for you

Data Modernization with Elastic provides a modern enterprise data lake. Examples of its features that support business agility through the intelligent use of data include the following:

– Support for structured and unstructured data from a wide range of data sources
– Role-based access to raw data and processed data using transformations
– Near real-time observability enabled for multiple data sources along with data correlation
– Machine learning themes such as anomaly detection and forecasting, along with visualization capabilities
– Alerting triggers that integrate with a variety of tools used for collaboration, event management, ticketing, and more.

Conclusion:

Kyndryl's data modernization solution with Elastic is a unified solution for diverse datasets that is scalable by design. It provides a robust data lake strategy that enables mapping between diverse datasets to facilitate data correlation. The modern data platform can serve up data for a wide variety of use cases.

Elastic's product strength and Kyndryl's data & AI services expertise combine to deliver a scalable and customizable solution that can provide domain-specific actionable insights as well as an enterprise-wide data management strategy.

Why Kyndryl?

Kyndryl has deep expertise in designing, running, and managing the most modern, efficient, and reliable technology infrastructure that the world depends on every day. We are deeply committed to advancing the critical infrastructure that powers human progress. We're building on our foundation of excellence by creating systems in new ways: bringing in the right partners, investing in our business, and working side by side with our customers to unlock potential.

For more information:

To learn more about how Kyndryl with Elastic can help you better manage your data, please contact your Kyndryl representative, visit us at kyndryl.com/us/en/about-us/alliances/elastic, or book a consultation

kyndryl.

kyndryl.