HCL

Data Marketplace capabilities

Reimagining Data-as-a-Service with HCL Technologies' data marketplace solution

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Typical **challenges faced** by large enterprises in the current growing market

- **Slow turnaround of data and analytics:** Adhoc requests that take days, even weeks or months because of low collaboration and reuse amongst business users and data scientists.
- **Lack of self-serviceability** and transparency in processing data and analytics requests leads to shadow IT teams.
- **Inability to gauge the usage** and the RoI of the data and analytics assets
- **Redundant data and analytics assets** across multiple systems
- **Poor performance** of the system because of redundancies and data proliferation

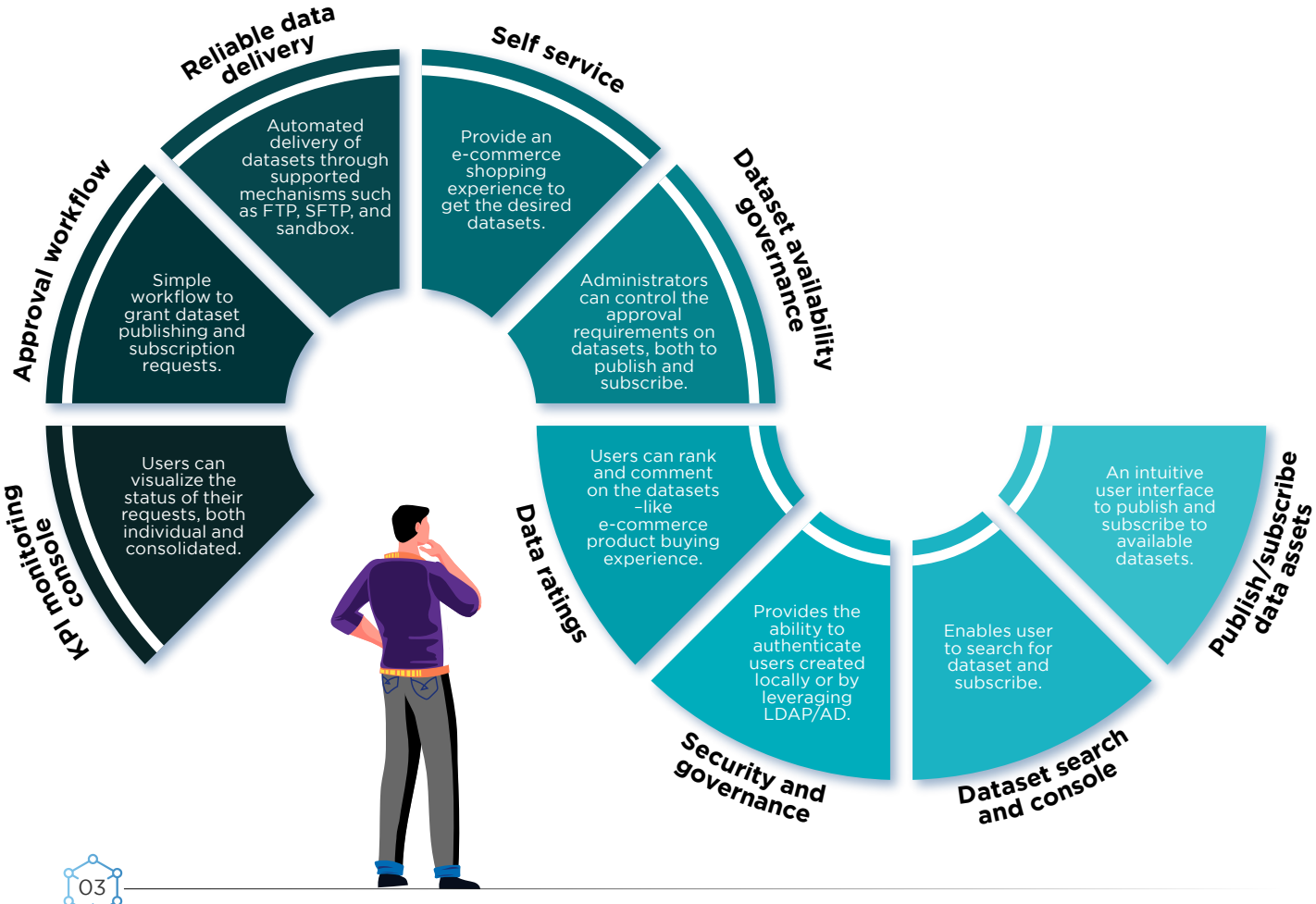
With heterogeneous data landscapes, organizations struggle to provide a holistic view of multiple Data and Analytics systems and their usage. This, coupled with a lack of self-serviceability and transparency in processing Data and Analytics requests leads to shadow IT teams. Additionally, a slow turnaround of teams to meet ad hoc data requests from business or data scientists and redundant Data and Analytics assets across multiple systems makes it difficult to achieve RoI for the Data and Analytics assets.

The marketplace enables enterprises to integrate data from different sources and make it available for consumption by different users in a secure manner. Any enterprise requiring large amounts of data can subscribe to the data marketplace, and access required datasets.

Today, business leaders recognize that a data-driven enterprise is more agile and adaptable than one that relies solely on traditional ways of doing business. Moreover, a data marketplace promises to easily connect consumers and suppliers of data—to make it easier to find, use, and monetize trusted data in a frictionless way.

Data marketplaces can help enterprises boost revenue by monetizing their data assets, reduce costs by eliminating redundant systems, increase employee productivity through self-service access to analytics, and improve their decision-making with trusted and timely insights. They also can be an effective tool for partnering with customers or suppliers and building new ecosystems to drive innovation.

HCLTech's **Data Marketplace**: Key features



Introducing continuous collaboration with **Data Marketplace**

The key feature of this platform is the ability to provide real-time collaboration between multiple users in different locations without any delay or lag due to distance. The platform allows researchers or analysts to access their data remotely to collaborate with others.

Integrated data layer (IDL) provides unified, integrated access on top of existing on-premise data systems, cloud data platforms, and any other additional data sources. IDL is a powerful, flexible, and extensible solution that can match all kinds of requirements that arise when integrating different data sources.

This aims to result in faster outcomes by leveraging the following key components-

Building an integrated view of diverse data sources

- Multiple views of the same data for multiple user needs
- Easier to make changes without modifying ETL
- Shorter time to market for various data consumption patterns
- Unified data governance and security

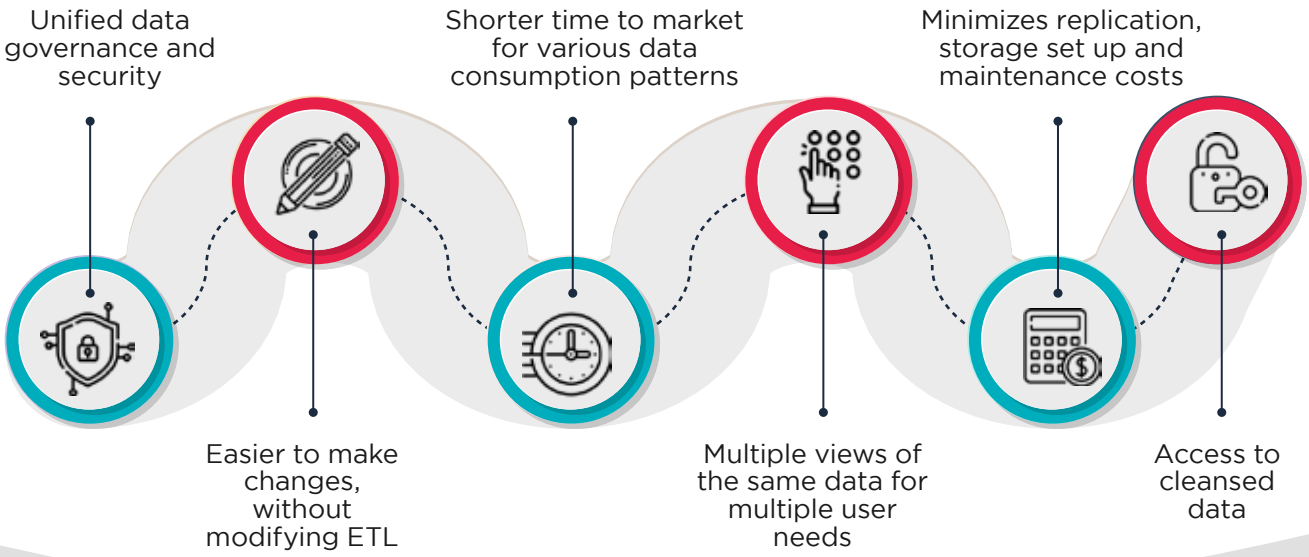
De-couple data layer and consumption layer

- Access to cleansed data
- Minimizes replication, storage setup, and maintenance costs
- Enabling multiple personas through prebuilt algorithms to infuse predictability and transparency in services

Data Marketplace – Functional View (Components)

“Integrated Data Layer” provides a unified integrated access on top of existing on-prem data systems, cloud data platforms and/ or any other additional data sources - without physically moving the data and by combining related data into views and publishing the data for consumption through Data Marketplace.

Building an Integrated View of diverse data sources
De-couple Data Layer and Consumption layer



Data shoppers

Data Consume

Business analyst

Data scientist

Application User

Data marketplace

JDBC/ODBC

SOAP Web Service

RESTful API

Search & Query Engine (SQE)

Data Services Layer (Data Virtualization)

Database

Hive/ HBase Oracle Hadoop Teradata

Cloud (AWS)

File Systems

Business **benefits**

40% improvement in time-to-market and made proposals to customers price competitive

28% increase in the deal pipeline with Data Marketplace becoming a revenue-generating option across operating companies

Streamlined delivery of best-in-class solutions to the operating brands in a timely and cost-effective manner

Data Marketplace consolidates data pipelines, APIs, and patterns in a catalog for consumption

Improve their brand performance of customers through enhanced and integrated offerings with the right domain expertise

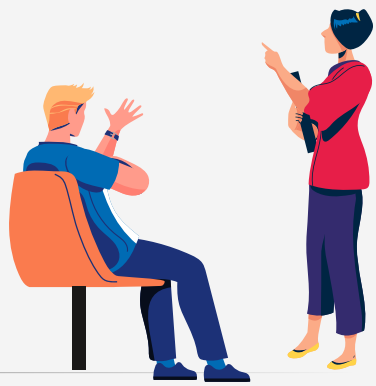
Unique data treatment across multiple data touchpoints by efficiently sourcing and aggregating data based on different variables and translating the denominations to the Data Marketplace for the creation and publishing of datasets

Demonstrable ROI with improved adoption of data catalogue, data delivery mechanisms, and data usage patterns

Continuous collaboration to manage the entire data lifecycle, from planning and discovery through modeling, deployment, and monitoring

Central authorization and approval process and pub-sub model based on data criticality and sensibility

Predictability of costs to empower customers and quick onboard of new use cases with significant improvement in responsiveness



HCL Technologies (HCL) empowers global enterprises with technology for the next decade today. HCL's Mode 1-2-3 strategy, through its deep-domain industry expertise, customer-centricity and entrepreneurial culture of ideapreneurship™ enables businesses to transform into next-gen enterprises.

HCL offers its services and products through three lines of business - IT and Business Services (ITBS), Engineering and R&D Services (ERS), and Products & Platforms (P&P). ITBS enables global enterprises to transform their businesses through offerings in areas of Applications, Infrastructure, Digital Process Operations, and next generation digital transformation solutions. ERS offers engineering services and solutions in all aspects of product development and platform engineering while under P&P. HCL provides modernized software products to global clients for their technology and industry specific requirements. Through its cutting-edge co-innovation labs, global delivery capabilities, and broad global network, HCL delivers holistic services in various industry verticals, categorized under Financial Services, Manufacturing, Technology & Services, Telecom & Media, Retail & CPG, Life Sciences, and Healthcare and Public Services.

As a leading global technology company, HCL takes pride in its diversity, social responsibility, sustainability, and education initiatives. As of 12 months ending on March 31, 2022, HCL has a consolidated revenue of US $11.48 billion and its 209,000 ideapreneurs operate out of 52 countries. For more information, visit www.hcltech.com

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