

The background of the top half of the page is a composite image. On the left, there is an aerial view of a port with many colorful shipping containers stacked in rows. A red truck is visible on a road in the lower part of this section. On the right, there is a top-down view of a white airplane flying over a green ocean. A faint, larger green silhouette of the airplane is visible in the sky above the real one.

Wipro's Cognitive Supply Chain




Modern supply chains powered by AI/ML

The complex nature of the supply chain ecosystem makes the data collected from various stakeholders very siloed, segmented and unrationalized. In addition, data loses its non-linearity and parental hierarchies when it gets converted to traditional database formats, thereby making historical data analysis an extremely difficult and expensive activity.

Wipro's Cognitive Supply Chain facilitates synthesized distributed datasets using semantic knowledge graphs and semantic data catalog. It provides a global platform to facilitate infrastructure, data consumption and intelligent decision making using AI/ML.

Global platform to facilitate provisioning of supporting infrastructure, data consumption and intelligent decision making using AI / ML

Key takeaways

-  Synthesize distributed datasets using graphs and data catalogs
-  User specific knowledge for better understanding of the distributed datasheets
-  Data collection platform focused on data collection, data storage, data security and data visualization

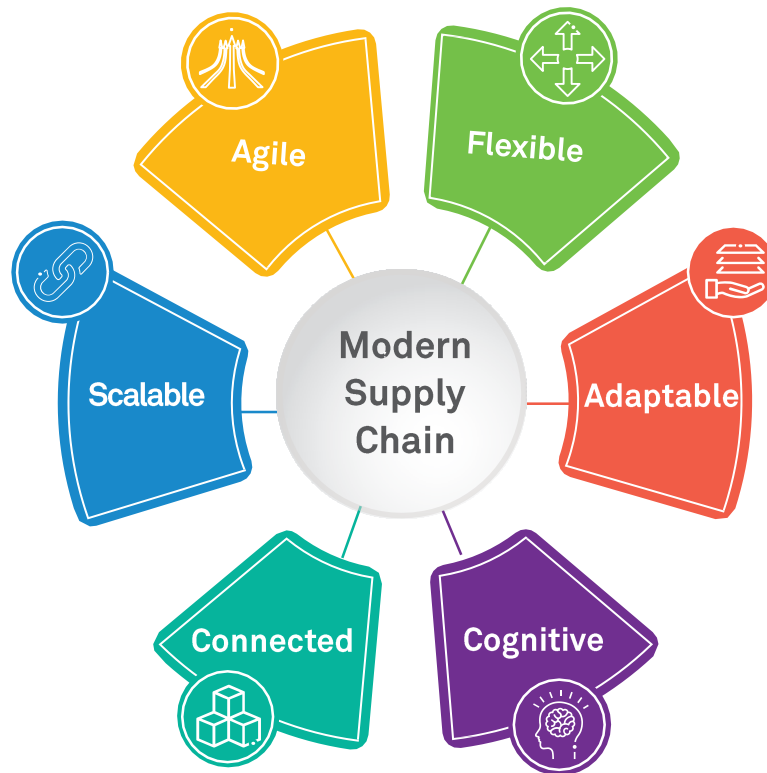


Figure 1: Attributes of a modern supply chain

Key benefits

- Unified supply chain view - Improved visibility, speed of execution and efficiency.
- Enhanced Data Sharing
- Journey mapping of goods & services to help in product pricing
- Help in supply chain planning, performance analytics and cost optimization.
- Machine Intelligence Services - Self-servicing, billing dispute analysis, anomaly detection, churn prediction, fraud detection, forecasting, detect problems / supply choke points at component level, predictive maintenance and customer satisfaction index (CSI) measurement

Solution features

- Semantic knowledge graphs and semantic data catalog to synthesize distributed datasets. Generate user specific knowledge brains / engines such as supplier brain, manufacturer brain, distributor brain, retailer Brain etc.

A Global Fabric / platform to facilitate:

- Infrastructure – Provisioning of supporting infrastructure
- Data consumption / Ingestion focusing on data collection, data storage, data security, and data visualization
- Intelligent decision making using AI / ML

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