

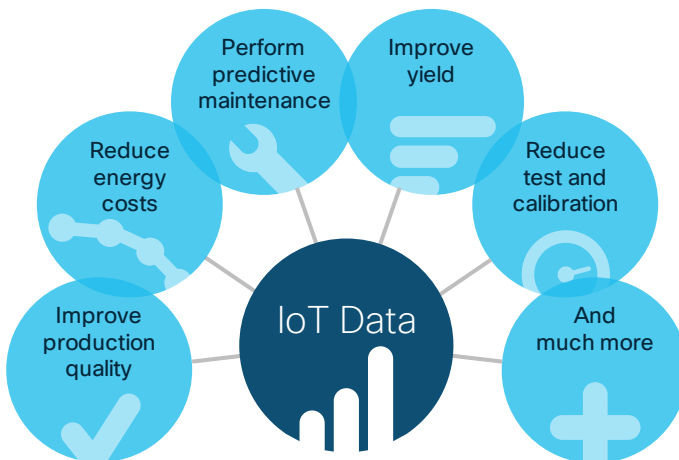


Control your IoT data to boost productivity

Machine data is your lifeline to higher productivity and profitability – and the Internet of Things (IoT) unleashes endless possibilities to gain actionable insight.

Drive better business outcomes by getting full value of your IoT data

Manufacturing companies harness IoT data to drive meaningful business outcomes, from improving quality and yield to reducing energy and warranty costs, plus much more.



IoT is transformative – but it also introduces a new big data paradigm with a host of complexities in data management, analysis and governance.

Massive volumes of intermittent data streams from legacy and new machinery can quickly overwhelm your business. Effective data management is mission critical to achieve measurable outcomes and optimize your operations.

Cisco® Kinetic for Manufacturing is an IoT data management platform that gives you complete real-time control over your IoT data. The platform enables you to automatically extract, compute and move data from disparate machines, controllers and systems securely, efficiently, and at a lower cost.

Smart factories can generate 1,000 TB of data per day, with 10,000+ sensors capturing 12,000+ variables from legacy and new machinery

Key challenges of IoT data management

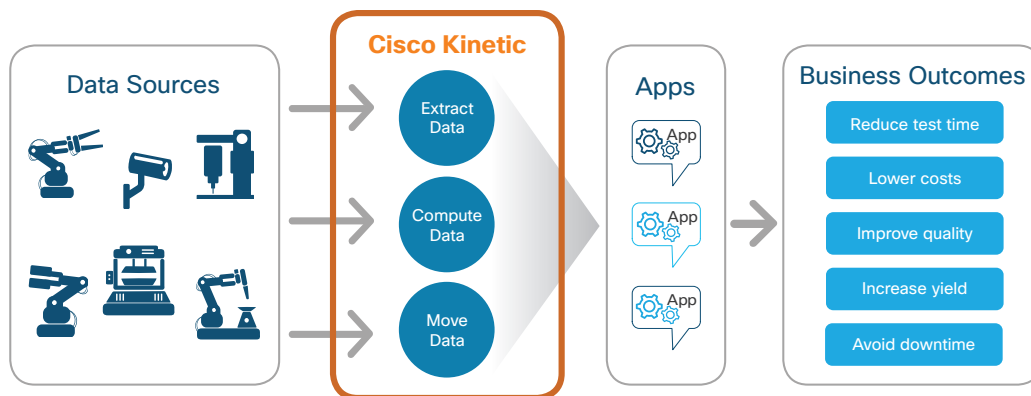
For decades, manufacturing environments have had limited control over machine data. Extracting and analyzing new types of data in new ways has required complex, time-consuming support from IT or equipment providers – making processes slow, costly, and unscalable.



- Data locked inside its sources
- Limited ability to compute data at the edge
- No programmatic way to move data to other systems and apps
- Limited ability to enforce data ownership, privacy, & security
- High risk/high cost of data processing and control

Leverage the full value of your IoT data

Cisco Kinetic for Manufacturing eliminates one-off custom coding projects to access new or legacy data sources. The platform gives you real-time data access and data-in-motion analysis without equipment downtime, and integrates silos of data across manufacturing, processing, and control room areas.



Cisco Kinetic makes it easy to connect distributed devices to the network – then extract, normalize, and securely move data from those devices to multiple distributed applications. Gain unprecedented control to enforce policies for data ownership and distribution to ensure the right data goes to the right application at the right time.

Improve outcomes with next-gen IoT data management

To successfully evolve and scale your IoT deployment over time, you need a data management solution that ensures you can capture and use meaningful IoT data to deliver on business outcomes. The Cisco Kinetic platform is a distributed software system that streamlines your IoT operations by performing three key functions:



Extract data from disparate sources such as controllers, machines, sensors and connected devices to make data usable by applications that provide business value.



Compute data anywhere from the edge to endpoint, including filter and transform it, apply business rules, and perform distributed micro-processing. Enable fast decisions at the point of action, dramatically reduce latency and optimize network resources.








Move data programmatically to right applications at the right time, and enforce governance policies for secure, reliable delivery in multi-cloud, multi-party, and multi-location situations.

Take control with simple, automated, secure data interactions

The Cisco Kinetic for Manufacturing platform enables you to overcome the many barriers of accessing valuable IoT data housed in new and legacy equipment across a diverse plant floor.

Machine data is a business-critical asset. Cisco Kinetic gives you a programmatic way to extract, normalize and securely move relevant data to operational and business applications to drive outcomes that grow your bottom line.

 Data locked inside its sources	Easy Access: Ease of data extraction
 Limited ability to compute data at the edge	Increased Efficiency: Edge to cloud computing
 No programmatic way to move data to other systems and apps	Agility: Data to the right place, at the right time
 Limited control to enforce ownership, privacy & security	Control: Ensure data confidentiality and integrity
 High risk / high cost of data processing and control	Scalability: Flexible, extensible architecture

Learn more

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