

# OpenText Covisint IoT Platform

Embracing and extending business applications



**Secure** device management to identify, provision and govern devices to create the digital twin



**Ecosystem integration** of standard sensors ensures information flow across systems

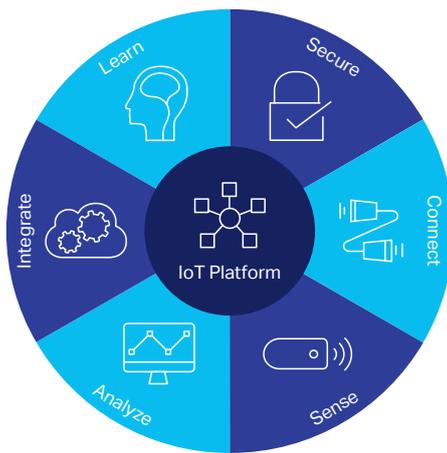


**Unified** messaging aggregates information from different applications for a single data feed

**The Internet of Things (IoT) has had a profound impact across all industries. Leveraging advances in telecommunications to add connectivity to every kind of machine can deliver new business models or augment and improve existing ones. What may have started as a line-of-business IoT project now needs to integrate, interact and empower enterprise applications—the challenge is where or how to start?**

The number of connected things in the world is expected to exceed 20 billion by 2020<sup>1</sup> and OpenText believes the volume of identities will grow in parallel. For a manufacturer, a connected product means building a better, more valuable product and unlocking new service-based revenue models. A connected asset gives visibility to an owner/operator and can increase operational efficiency and improve services by optimizing the use of the asset. The challenge is the need to deliver trusted information to many mission-critical stakeholders and the enterprise applications they use to make decisions.

The quality of the data from IoT devices begins with the IoT device or endpoint validity. Owners and operators of product ecosystems need to identify, create and manage a network of physical objects that securely connects, communicates and collects data and intelligently disseminates it to create value. The OpenText™ Covisint IoT Platform delivers this identity-centric approach to IoT, standardizing how these IoT devices' (as well as the people and systems) identities are represented and ensuring that the highest level of integrity can be maintained at scale. Common entity definitions allow for consistent identity relationship behavior, versioning and extensibility.



## OpenText Covisint IoT Platform capabilities

Providing key capabilities to support the requirements of today's intelligent and connected digital ecosystems:

### Secure: Protects IoT endpoints against external cyber security threats

- Identity-based approach to managing IoT endpoint security
- Dynamic security context and autonomous authentication
- Authorization and management of interaction between entities, for increased security

### Connect: Allows devices to be connected via a range of industry standard communication protocols

- IoT Messaging is an internet-scale stream processing engine for sending events and commands across devices, systems and processes with workflow and stream analytics
- Advanced messaging capabilities are key to all IoT ecosystems, especially those in which mission-critical functions are performed
- Unlike other IoT service providers, Covisint enables protocol brokerage and fine-grained traceability of messages

### Sense: Supports a range of industry-standard sensors for measuring and delivering operational and contextual data

- Providing a defined status
- Connection agnostic
- Wired/wireless
- SCADA output

### Analyze: Uses analytics to uncover meaningful insights from sensor-based information attached to connected devices

- Ingest sensor information into OpenText™ Analytics to discover insights and visibility into connected device performance or operation
- Establish event triggers so that sensor information can initiate downstream processes such as inventory replenishment
- Leverage a data lake to archive sensor information for future use and reporting

### Integrate: Allows sensor-based information to be seamlessly exchanged with key business systems

- Cloud-based Managed Services provides seamless integration between IoT platform and back-end enterprise systems
- Augments enterprise systems with sensor-based information to provide a more holistic view of supply chain operations
- Leverages sensor information across enterprise applications, e.g. ERP, MES and WMS

### Learn: Aggregates sensor information and other information sources to take a recommended course of action

- Leverage archived or historical sensor information to analyze for key trends and insights
- Ingest from other information sources, (e.g. weather/news/social feeds) to enable informed decisions

## Four IoT solutions enabled by the Covisint IoT Platform

<p><b>Secure Device Management for IoT</b> </p> <p>opentext™   Covisint</p>	<p><b>Ecosystem Integration for IoT</b> </p> <p>opentext™   Covisint    opentext™   Business Network</p>	<p><b>Unified Messaging for IoT</b> </p> <p>opentext™   Covisint</p>	<p><b>Actionable Insights for IoT *</b> </p> <p>opentext™   Magellan™</p>
<p>Prevent cyber security threats across different industries by securely provisioning devices</p>	<p>Integrate to standard sensors and ensure seamless information flow across enterprise systems</p>	<p>Aggregate information from different IoT providers to obtain a single data feed for analysis or archive</p>	<p>Leverage AI/ML to monitor performance and maximize availability of serviceable equipment/assets</p>

\* Future roadmap offering

Solution features	Description
<b>Secure device management</b>	For increased security and governance of entities' lifecycle within the enterprise, the Covisint IoT Platform delivers dynamic security context and autonomous authentication, authorization and management of interaction. This manages connections between people, systems and things, creating the digital twin of the physical thing, device, machine or process.
<b>Ecosystem integration</b>	The Covisint IoT Platform defines complex ecosystems, provides device templates and represents devices as groups. It offers a single connection to exchange data with partners and any-to-any translation capability—integrating the digital twin.
<b>Unified messaging</b>	The Covisint IoT Platform provides seamless communications across people systems and things and standard (MQTT, AMQP, STOMP, etc.) and custom connectivity options for legacy devices and/or heterogeneous ecosystems—enriching the digital twin.

## Why choose the Covisint IoT Platform?

Authenticating an ecosystem of things requires experience and understanding of the complex web of relationships between them. The interaction of people, systems and things requires dynamic control of what each unique thing can do, with whom and when. The Covisint IoT platform is massively scalable and delivers secure data integration, exchanging millions of messages per second, between millions of things, in real time. It allows organizations to design for the future by connecting manufacturers to products, while providing robust security and connectivity.

OpenText IoT Services accelerate secure, scalable connected product solutions, enabling organizations to register and manage physical things and create solutions that connect their people and systems with the integrated world. The Covisint IoT Platform provides everything an organization needs to monitor the health of products and equipment, create secure interactions and integrations and manage the identity lifecycle of connected things.

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 Learn more

[OpenText Internet of Things »](#)

[Intelligent and Connected Enterprise »](#)

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Read the white paper, *How IoT Enables an Intelligent & Connected Supply Chain*, to learn:

**Six core services every Internet of Things (IoT) platform should deliver to drive security, innovation and connectivity**

- Eight benefits of integrating identity and access management (IAM) into an IoT platform
- Three use cases: proactive replenishment, predictive maintenance and supply chain visibility
- The latest IoT and IAM trends and best practices
- The core capabilities that separate an industry-leading IoT platform from the rest

Read the white paper, **Get—and stay—ahead of the next action.**  
*How predictive maintenance sustains “always on” operations.*

**Explore the top three benefits to the enterprise and the disruptive technologies that power it.**

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## About OpenText

OpenText, The Information Company, enables organizations to gain insight through market leading information management solutions, on-premises or in the cloud. For more information about OpenText (NASDAQ: OTEX, TSX: OTEX) visit [opentext.com](http://opentext.com).

1. Gartner, Leading the IoT: Gartner Insights on How to Lead in a Connected World (2017)  
[https://www.gartner.com/imagesrv/books/iot/iotEbook\\_digital.pdf](https://www.gartner.com/imagesrv/books/iot/iotEbook_digital.pdf)