

PRODUCT OVERVIEW

# OpenText Internet of Things

Embracing and extending business applications



**Secure device management** to create and govern a digital twin



**Ecosystem integration** of digital twin data from operating technology



**Unified messaging** enriches and extends digital twin data

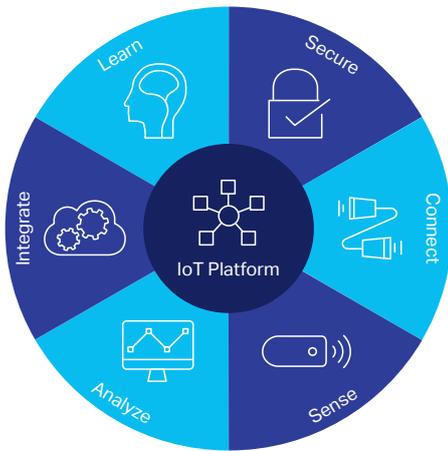


**Actionable insights** to exploit and benefit from digital twin data

**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?**

According to global research firm IDC, there are expected to be 41.5 billion connected IoT devices by 2025<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 Internet of Things 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 IoT Platform capabilities

Providing key capabilities to support the requirements of today's 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, OpenText 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 the OpenText AI & Analytics platform 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

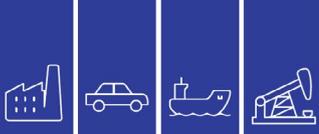
### **Learn: Aggregates sensor information and other information sources to take a recommended course of action**

- 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 OpenText IoT Platform



**opentext™ | IoT**      Embracing and extending business applications through an identity-centric approach provisioning people, systems and things

 <p><b>Secure Device Management for IoT</b></p>	 <p><b>Ecosystem Integration for IoT</b></p>	 <p><b>Unified Messaging for IoT</b></p>	 <p><b>Actionable Insights for IoT</b></p>
			
<p>Prevent cyber security threats across different industries by securely provisioning devices</p>	<p>Integrate and deliver seamless information flow across industrial enterprise systems</p>	<p>Aggregate information from disparate systems 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>

Solution features	Description
<b>Secure device management</b>	Leverages identity management to establish digital twins of physical objects, making it easier to visualize contextual data no matter where the physical device is located. Provisions and de-provisions secure IoT endpoints and data access to minimize cyber security threats.
<b>Ecosystem integration</b>	Seamlessly exchanges sensor-based information with key business systems, such as ERP, WMS and TMS. Offers comprehensive machine-to-machine or application-to-application integration capabilities.
<b>Unified messaging</b>	Provides any-to-any communications protocol support via a comprehensive messaging broker. Allows companies to perform rapid, secure and flexible integration of structured and unstructured data from MQTT to FTP.
<b>Actionable insights</b>	Transforms and orchestrates IoT data into actionable insights, visually represented in different forms. Combines comprehensive IoT analytics with advanced AI and machine learning capabilities to allow companies to quickly assess operational performance based on historical sensor data.

**Why choose the OpenText 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 OpenText IoT Platform is massively scalable and delivers secure data integration, exchanging millions of messages per second, between millions of things, in realtime. It allows organizations to design for the future by connecting manufacturers to products, while providing robust security and connectivity.

[Keep up to date](#)

[Blog](#)

[Learn more](#)

OpenText Internet of Things »  
Intelligent and Connected  
Enterprise »

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 OpenText IoT Platform provides everything an organization needs to monitor the status or condition of products and equipment, create secure interactions and integrations and manage the identity lifecycle of connected things.

## The Identity of Things Explained

Identity of Things (IDoT) assigns unique identifiers and metadata to things, devices and objects.

Get the *Identity of Things Explained* guide to learn about the identity problem with IoT and how a strong IDoT foundation identifies and manages IoT connections to solve it.

The Identity of Things (IDoT) extends traditional identity and access management (IAM) for the internet era. It identifies all IoT infrastructure components to ensure secure connectivity and data trust from IoT devices.

The guide introduces IDoT and reveals how to add identity to IoT with chapters on:

- The core capabilities of an identity-driven IoT platform
- The Top 10 tips to consider when deploying identity management in IoT
- Selecting the right provider for IDoT

[Get the guide today](#)



## 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](https://www.opentext.com).

## Connect with us:

- [OpenText CEO Mark Barrenechea's blog](#)
- [Twitter](#) | [LinkedIn](#)

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)