

BellaDati IoT Data Collector

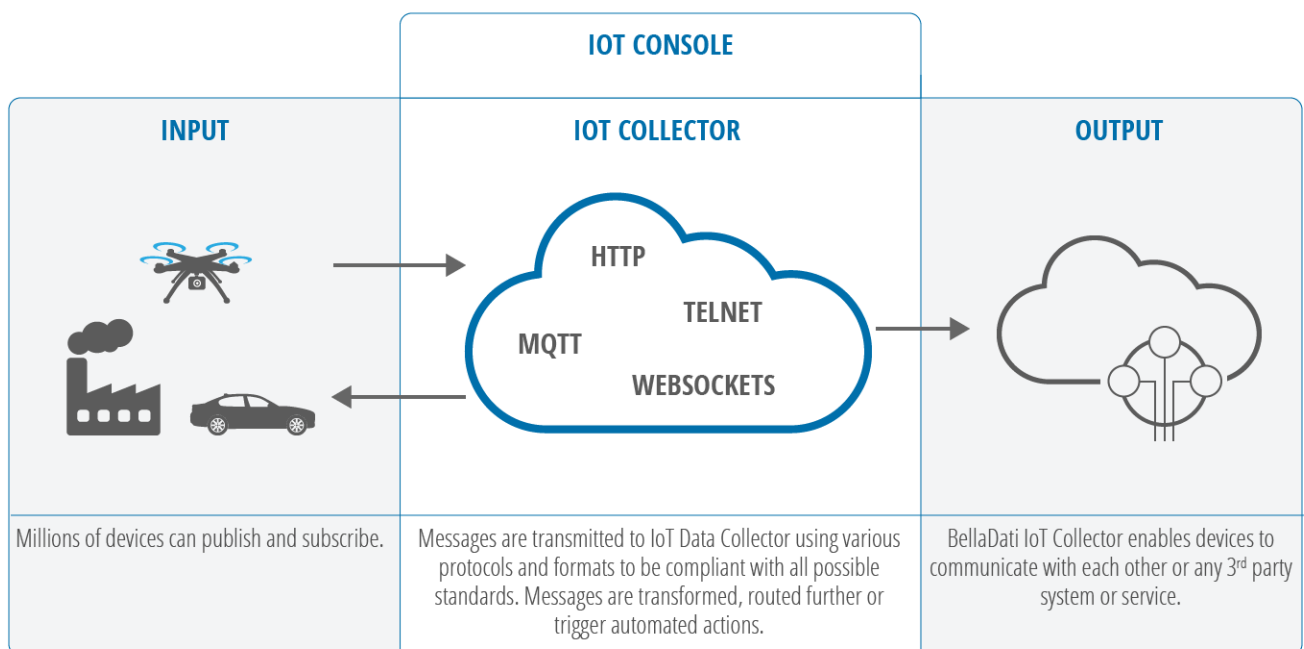


BellaDati IoT Data Collector is a platform that allows connected devices easily and securely interact with another applications, systems or other devices. IoT Data Collector support millions of devices and billions of messages, which can be transformed and routed to desired endpoints reliably and securely. With BellaDati IoT Data Collector your application can keep track of and communicated with all your devices all the time.

Benefits

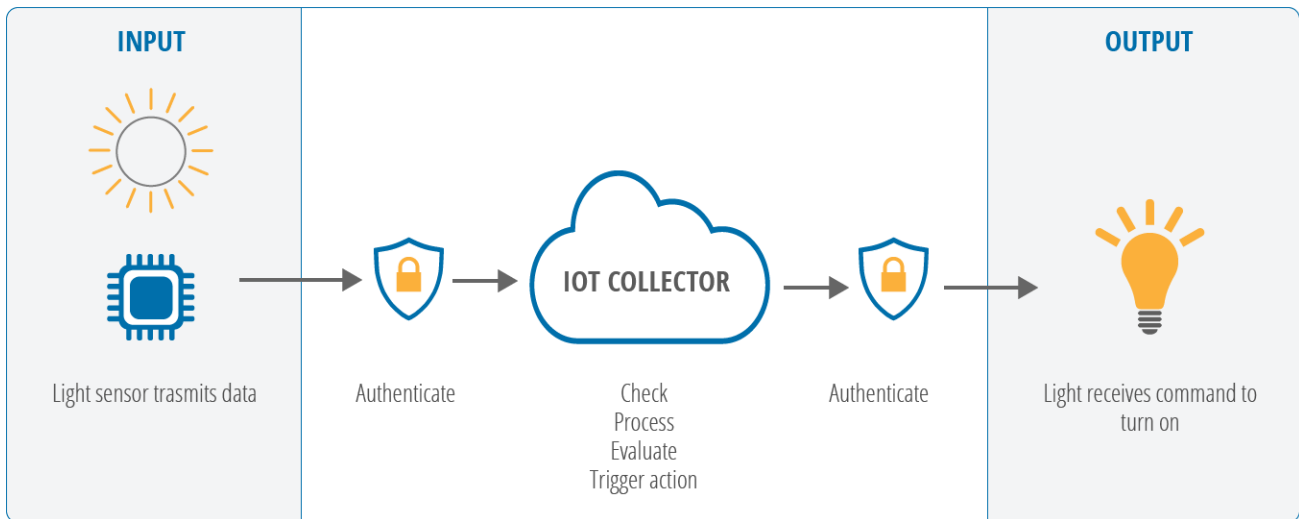
Connect and manage your devices

BellaDati IoT Data Collector allows you to easily connect devices to the cloud, to your on premise infrastructure and to other devices. IoT Data Collector supports HTTP, Telnet, FTP, WebSockets and MQTT, a lightweight communication protocol designed specifically to tolerate intermittent connections, minimize the code footprint on devices and reduce network bandwidth requirements. IoT Data Collector is modular and extendable framework, so it's possible to support other industry-standard and custom protocols as well.



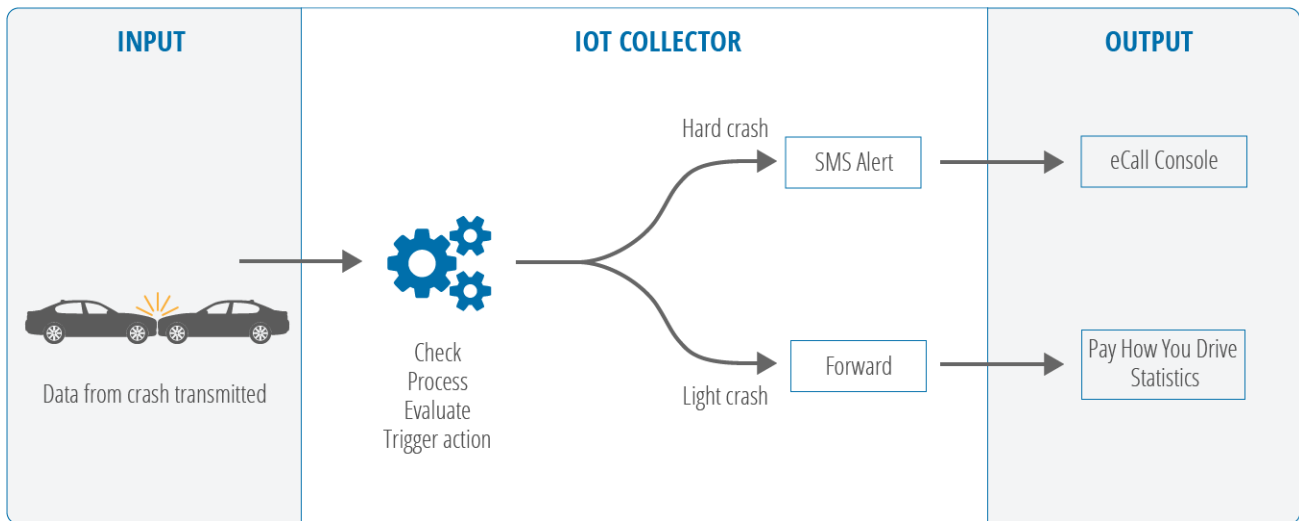
Secure device connections and data

BellaDati IoT Data Collector provides authentication and end-to-end encryption throughout all points of connection so that data is never exchanged between devices and IoT Collector without proven identity - SSL certificates, OAuth, digest/plain authentication or network/transport layer security policies.



Process and act upon device data

With BellaDati IoT Data Collector, you can filter, transform, and act upon device data on the fly, based on the rules you define. You can update your rules to implement new device and application features at any time. **BellaDati IoT Console** makes it easy to configure the whole process.



Manual configuration for experts

BellaDati IoT Data Collector can be installed on-premise inside your infrastructure and all configuration can be done manually, without BellaDati IoT Console. This is helpful especially in situations when the advanced configuration is necessary, or the whole instance is distributed as e.g. Docker image. Manual configuration is used when you run a specific module of the BellaDati IoT Data Collector built using BellaDati Collector SDK.

Device status

BellaDati IoT Collector automatically creates a persistent, virtual version of each device with its latest status. Applications or other devices can read the status and interact with the device.

Learn more about architecture

BellaDati IoT Data Collector is a modular system based on [microservices](#) and it's [architecture](#) follows most recent world trends.

Install easily using automated installer

BellaDati IoT Data Collector is modular, however, all modules are shipped with one automated installer. Installers are available for [Windows](#) and [Linux](#) environments. Don't waste your time, you can start with whatever HW configuration you have available and then extend as necessary.

Manage with BellaDati IoT Console

Configuration, devices on-boarding and automated actions definition can be configured from [Management Console](#).