DECISIONS™

Realize the Full Value of IOT Integrations with Software That Can Implement Rules to Structure the Understanding and Use of Your Data

From healthcare to manufacturing to finance to supply chain management, the Internet of Things (IoT) has turned everyday equipment and objects into new, rich sources of data that can help organizations improve their operations, leverage new efficiencies, and coordinate faster responses when problems arise. As valuable as these data points can be, they're only as good as an organization's ability to collect, manage, and analyze this data to generate the insights that matter most in the decision-making process—and to then drive effective action and change through those insights. A business rules engine offers the infrastructure needed to generate more value from IoT solutions, delivering value to an organization on many different fronts. Here are some of the rules-based capabilities Decisions can bring to your IoT data management

STATISTICAL PROCESS CONTROL

IoT allows technology and processes to be monitored in real time so management teams can improve oversight of operations. This allows managers to steer processes toward greater efficiencies and/or to adjust or even stop processes that are suffering from inefficiencies or that require more significant revisions of current practices.

ANOMALY NOTIFICATION

When irregularities develop in data feedback from an IoT device, a workflow can be started to drive appropriate actions and ensure service-level agreement obligations are met. This is valuable in many different potential applications: Manufacturers can monitor factory robotics without having an employee actively watching the process, and healthcare teams can be notified if a certain piece of equipment isn't performing as normal. Anomalies happen frequently when data is being collected nonstop. However, many of these anomalies are actually minor, which means the organization doesn't always have to coordinate a response. If too many "false alarms" come from IoT data sources, employees can learn to ignore them.

With a business rules engine, organizations can set up complex rules and procedures to determine if an anomaly notification is pertinent to the situation or if the notification should be suppressed based on a lack of evidence that the anomaly merits attention.

MACHINE LEARNING

Many of today's businesses are eager to implement machine learning capabilities within their organizations. But effective machine learning requires more than broad access to data available through IoT endpoints. Business rules processes are needed to clean up that data, eliminating "dirty" data and addressing data gaps that may affect the quality of machine learning performance. In manufacturing and production, for example, this combination of IoT data with machine learning can enable more cost-effective allocation of internal resources that increases production volume, cuts costs, or both. But without a business rules solution ensuring that the data being used is reliable, machine learning solutions could generate insights and recommendations that offer little reliability and value.

EVENT MONITORING

Effective event monitoring requires the involvement of human security personnel. But when security issues develop at an event, human response times are often inadequate. IoT can be stitched into this process to automate decision-making processes and trigger actions based on the criteria of the security issue. Technology can quickly determine who to notify and what actions to take, which acceleratessecurity responses and improves safety for event attendees.

EQUIPMENT MONITORING AND MAINTENANCE

IoT can be very valuable in monitoring equipment to ensure its integrity and in keeping track of usage to ensure individual pieces aren't being used past their recommended lifespan. This functionality has many different applications, including healthcare devices, conveyor belts in manufacturing, truck components in shipping fleets, and machinery used on construction projects. Equipment monitoring supports preventative practices that avoid accidents, improve safety, and save the organization money.

> The Internet of Things offers vast potential to any business or industry. But the full value of IoT integrations can only be realized through a software solution that can implement rules to structure the understanding and use of this data. Learn more about Decisions' role in managing IoT by requesting a demo today.

ABOUT DECISIONS

Decisions is a leading provider of no-code, business process automation software, headquartered in Chesapeake, VA. Decisions technology is deployed as the basis of multiple commercial applications in healthcare, life sciences, finance, logistics, and operations software. It is used directly by companies on almost every continent, ranging from mid-size companies to many Fortune 500 corporations.

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