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Unlock significant Microsoft Azure and AWS IoT productivity gains with GlobeRanger's iMotion™ Data Orchestration Solution

Contents

Unlock the potential of Microsoft Azure and AWS IoT

Manage devices at the edge and transform their critical data into valuable business insights.

GlobeRanger iMotion™ Data Orchestration at-a-glance

> Centrally manage connected devices at the edge of the enterprise.

> Reduce connectivity requirements and Azure and AWS consumption costs.

> Highly scalable from small to enterprise level.

> Operations can continue even when connectivity is impaired or down.

> Make informed decisions as to which data stays on-premise or is sent to the Azure or AWS cloud.

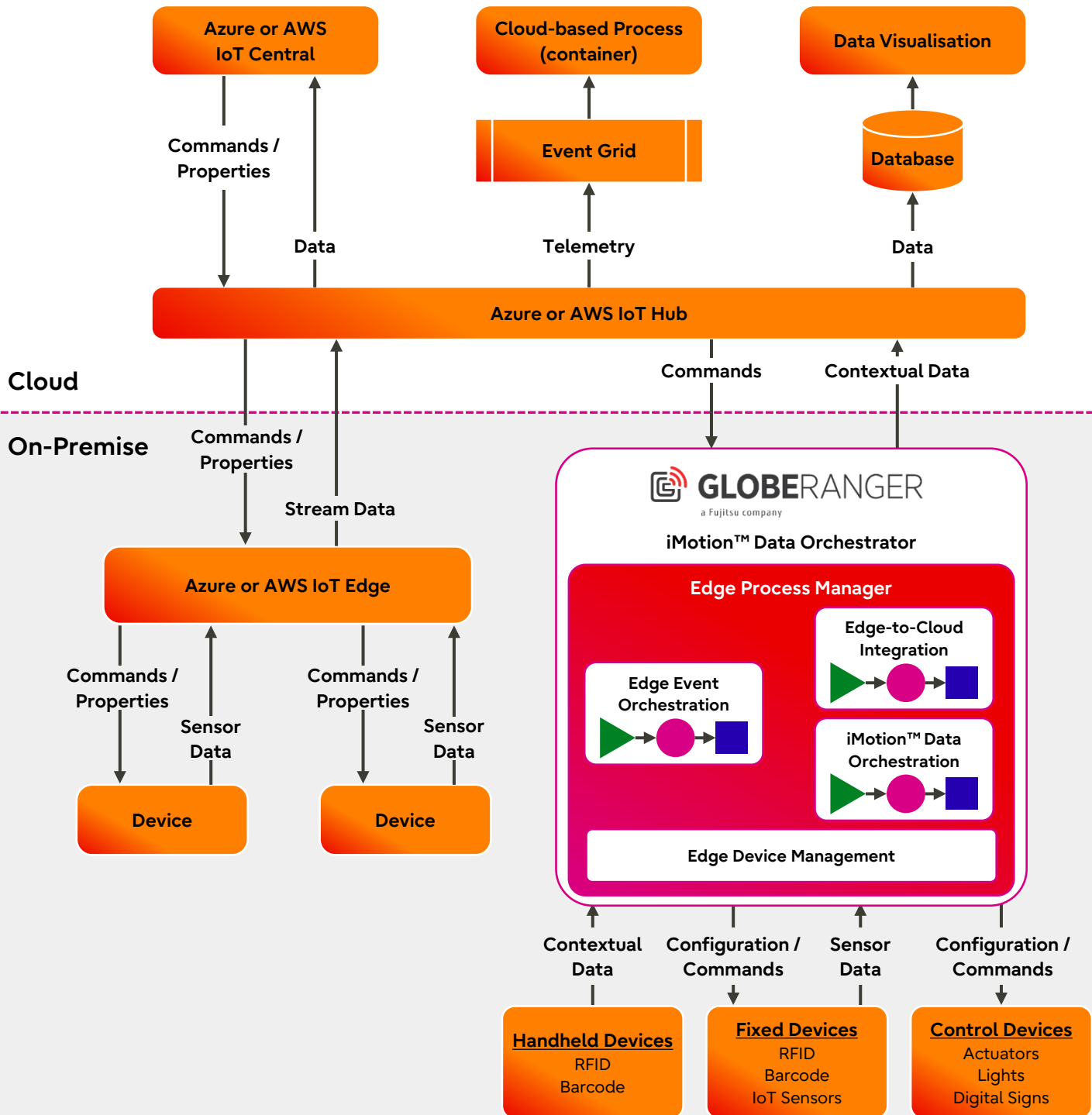> Filter raw data at the edge and transform into actionable information including alerts.

Business success today relies on the ability to effectively collect and transform data to extract valuable insight into its operations and customers. With the exponential growth of data collected via a rapidly growing number of IoT devices, organisations are increasingly turning to the cloud to help manage the devices and secure the data. To help leverage their investment, unlock further productivity gains and boost efficiency, **GlobeRanger's iMotion™ Data Orchestration** integrates with Azure IoT and AWS IoT.

GlobeRanger's iMotion™ Data Orchestration helps businesses regain control of their raw edge data. It manages edge devices such as IoT sensors, RFID readers, and other digital devices and captures the data they generate. The data orchestrator then filters the data based on the customer's parameters and determines whether to create an alert, forward to a back-end application or database, or send to the cloud for further processing or analytics.

As a result, connectivity and consumption costs are optimised, and the basic information is translated into valuable and actionable real-time insights. Businesses can maximise the potential of Azure and AWS IoT to deliver the business transformation and value demanded in the market today.

GlobeRanger iMotion™ Data Orchestrator Architecture

Azure or AWS IoT Central

Cloud-based Process (container)

Data Visualisation

Commands / Properties

Data

Event Grid

Telemetry

Database

Data

Azure or AWS IoT Hub

Cloud

Commands

Contextual Data

On-Premise

Commands / Properties

Stream Data

Azure or AWS IoT Edge

Commands / Properties

Sensor Data

Commands / Properties

Sensor Data

Device

Device

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iMotion™ Data Orchestrator

Edge Process Manager

Edge Event Orchestration

Edge-to-Cloud Integration

iMotion™ Data Orchestration

Edge Device Management

Contextual Data

Configuration / Commands

Sensor Data

Configuration / Commands

Handheld Devices
RFID
Barcode

Fixed Devices
RFID
Barcode
IoT Sensors

Control Devices
Actuators
Lights
Digital Signs

Manage devices and add business context to IoT data at the edge of the enterprise

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GlobeRanger simplifies and speeds up the development, deployment and management of Asset Tracking Solutions to connect organisations to the Internet of Things in weeks, even days.

Our story from pioneer of Automated Identification Technologies in 1999 to market leader in IoT-enabled Asset Tracking, Management and Decision-making Solutions today has at its heart a simple but proven principle.

The digital evolution of our customers' organisations doesn't have to be complex, time-consuming, risky or costly – it simply starts with knowing where their assets are.

Using our proprietary iMotion™ platform and suite of applications, we choose best-of-breed devices, sensors and RFID tags and draw on our global experts to connect our customers' physical assets to their digital systems.

Then we help them turn their organisations into flexible, scalable and reliable connected ecosystems that deliver unexpected value.

In the short term, our focus is on early wins to meet their business case and ROI targets. In the longer term, our aim is to help them evolve in a carefully structured risk, cost- and time-managed way to

take their share of the fast-growing IoT market, estimated to be worth $25 trillion by 2025.

Today that means delivering to our customers real-time visibility of their assets, more efficient end-to-end operations, optimisation of their processes, and proven accountability.

Tomorrow, that means enabling deeper organisational insight through asset data collection and analysis, opportunity mapping to transform the organisation, faster connectivity by integrating 5G, automated decisioning by integrating AI and unalterable ESG reporting by integrating blockchain.

After all, with the backing of Fujitsu, one of the world's largest technology groups, GlobeRanger has the financial strength, worldwide support and access to a $1.6 billion a year R&D budget we need to invent the future of your connected organisation, every day.

Welcome to your digital evolution

To find out where to start, and where your connected business can take you, visit GlobeRanger.com

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