



IoT Device Management with DataV[®] Manage

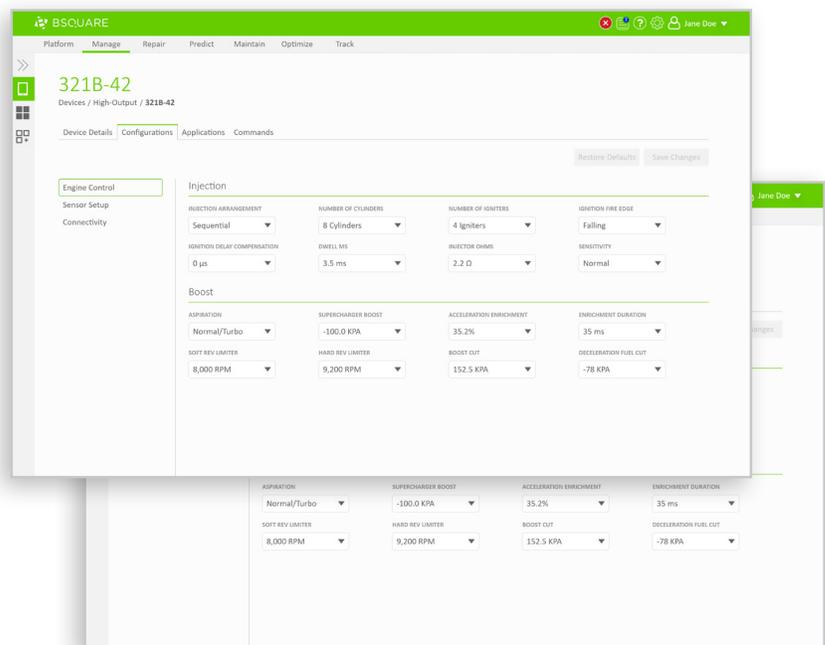
Take action on insights and control millions of devices remotely

Business-critical, connected assets are the lifeblood of your industrial organization. Using actionable data to manage and control millions of assets requires scalable, secure *IoT-device management*. This functionality closes the data-feedback loop, allowing two-way communication between devices and the tools that monitor and analyze them, to enable data-driven actions.

DataV Manage provides a near real-time, network-wide picture of your assets' health, as well as two-way data communication. With it, your business can fully utilize data to manage and direct any range of IoT-connected assets across the enterprise — automatically, all at once, and from any distance — in order to drive operations and achieve target outcomes.

DataV Manage tracks each asset's history, monitors operational status, alerts operators about anomalies, and follows the movement of mobile assets. Moreover, it can incorporate data insights from other applications, and use them to take appropriate action on individual devices or logical groups.

With DataV Manage to administer and control every asset in the field or the factory floor, your data comes full circle in its ability to improve efficiencies and lower costs throughout operations.



- Simplified, secure management of vast numbers of diverse devices
- More informed decision-making about asset performance and maintenance
- Less IT burden

DataV Manage profile

Uses data to: Remotely control and automate device configuration, actions, and lifecycle management

Ideal for: Businesses that want to easily manage their millions of IoT devices

Unique strengths:

- Enables data-driven device automation
- Designed for the rigors of industrial businesses
- Performs robust data analysis behind a highly accessible interface
- Includes highly collaborative engagement between Bsquare teams (who know data analysis) and you (who know your business)

DataV Manage key features

Important IoT device management capabilities:

- Direct machine control** ▶ **Save time and money with data-driven automation:** Sends rules-based commands back to devices to reset machines, change configurations, turn them off and on, update software, etc.
- Smart search** ▶ **Effectively isolate the devices you want to manage:** Filters millions of devices by specific characteristics to find subsets for examination and management.
- Smart groups** ▶ **Be smarter and more efficient in managing millions of devices:** Organizes devices in logical ways (e.g., by attributes, asset model, IP subnet range, geolocation, etc.) for study and manipulation; groups update each time a device is provisioned or decommissioned.
- Security** ▶ **Protect assets against hacking and unsanctioned control:** Includes best-in-class security features (e.g., certificate authentication, role-based user authentication, SSL encryption, HTTPS) to protect asset data flow and improve awareness of asset behavior, applications, and restrictions; verifies identity of new devices interacting with DataV apps; isolates devices within subnets for monitoring and analysis.
- History** ▶ **Make better asset purchase decisions:** Keeps track of all device lifecycle events (e.g., types and timing of changes, updates, repairs, etc.), and exposes behavioral and operational trends about particular types of assets; devices can be restored to earlier configurations.
- Software rights management** ▶ **Protect the specialized software you install on assets:** Keeps track of software devices use; enables batch-processing for management functions; supports perpetual and non-perpetual licensing, as well as license revoking; notifies administrators of unauthorized application access.

DataV Manage from an IT perspective

Leverages cloud security and scalability:

DataV is an industrial IoT solution delivered via SaaS on best-in-class, mainstream cloud architectures. It leverages and adheres to the same high standards and best practices for security, scalability, and reliability that are built into these cloud platforms:

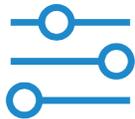
- SOC 2, Type 1 certification
- Encryption in transit and at rest
- Asset authentication and authorization
- User authentication and authorization
- Scalability to millions of devices, petabytes of data per day

Bsquare DataV: An IoT solution built for industrial demands

DataV Manage is one of many purpose-built applications of Bsquare DataV, a comprehensive industrial IoT solution characterized by partnership, adaptability, and speed to value. DataV automates the grunt work of complex data analysis, while close collaboration between customers and Bsquare data scientists eliminates the need for companies to develop or source their own IoT applications and solutions. With DataV to perform robust data analysis at the edge and in the cloud, companies can swiftly derive continuous value from data in order to stay productive and competitive.

Bsquare DataV is built for using data to solve the most critical business use cases — the situations your operators, business leads, and technicians face every day as they seek to manage your business' assets, adapt rapidly to its changing needs, and predict and forestall asset failures for you and your customers.

Part IoT platform, part prebuilt applications, part IoT services — DataV is a complete solution for every stage of industrial IoT.



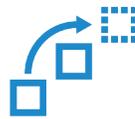
MANAGE

Control the health and performance of your IIoT connected assets.



ANALYZE

Optimize IIoT device, system and process operations.



PREDICT

Forecast performance of connected, mission-critical assets.



SERVICES

Professional, value-add services to configure and customize DataV to your needs.

About Bsquare

For more than two decades, Bsquare has helped its customers extract business value from a broad array of assets by making these assets intelligent and connected, and using data collected from them to improve business outcomes. Bsquare software solutions have been deployed by a wide variety of enterprises to create business-focused Internet of Things (IoT) systems that can more effectively monitor assets, analyze data, predict events, automate processes and, in general, optimize business outcomes. Bsquare couples innovative software with advanced professional services that can help organizations of all types make IoT a business reality.

Find out more about how Bsquare can help your organization use IoT for maximum impact:

sales@bsquare.com | 425-519-5900 | www.bsquare.com | [in/company/bsquare](https://www.linkedin.com/company/bsquare) | [@bsquarecorp](https://twitter.com/bsquarecorp)