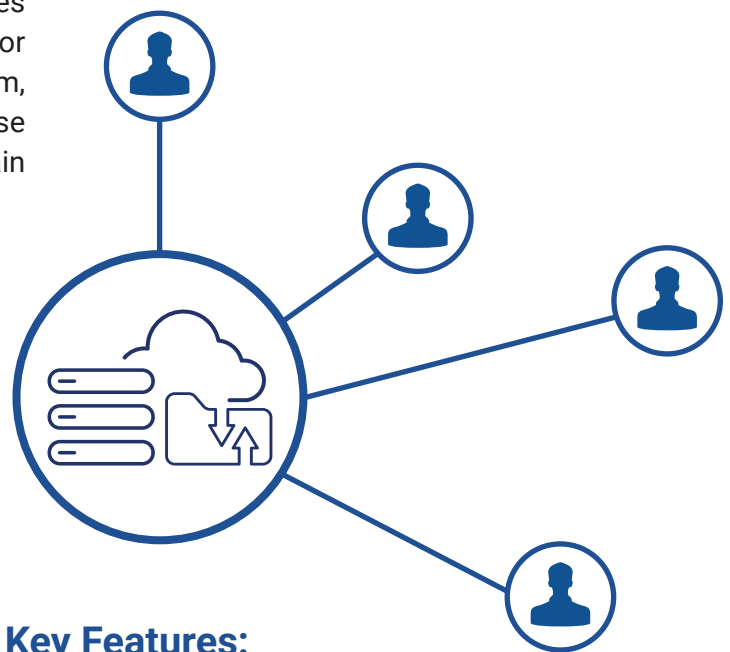


nCodeDS

Gain actionable insights from streamed data analytics

nCodeDS (nCode Digital Streams) enables engineers to validate products and avoid the cost of unexpected failures through high performance data analytics. Designed for scalable deployment within the web-based Aqira platform, nCodeDS provides both the performance and ease of use required for those without data science expertise to gain actionable insights from high volumes of sensor data.



Key Benefits:

By incorporating streamed data analytics into a transformed product development process, you can:

- Deliver better insights and enable greater understanding of how products are used.
- Reduce cost of unnecessary testing.
- Improve target setting for design loads and test scenarios.
- Reduce warranty claims without overdesigning and adding unnecessary cost.
- Optimize designs that deliver reduced overall cost, weight and energy consumption.

Key Features:

- Anomaly detection and correction, for clean data with meaningful results
- Event or feature extraction based on sophisticated conditions, so only specific situations are considered
- Data compression for volume reduction and increased performance
- Data reduction to summarize particular aspects of data in a histogram or spectrum
- Signal processing such as sampling, filters, Fourier analysis or arithmetic operations, to transform the data
- Integration of machine learning for applications such as virtual and inferential sensing

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