

# As Much as You Want, as Fast as You Want It

Informatica Vibe Data Stream for Machine Data advances the internet of things with high-volume, high-speed streaming data collection.

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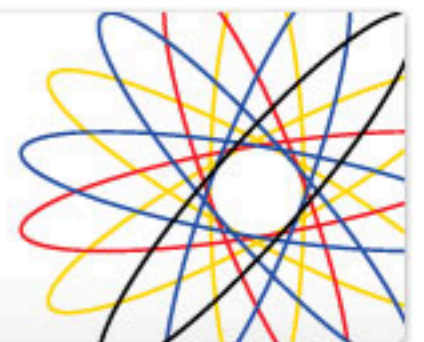
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### Vibe™

Map Once. Deploy Anywhere.

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“ Informatica ILM Nearline makes it more cost-effective and easier to store, manage, and secure large amounts of data. We also have extremely fast access to the data. ”

— Hartmut Koch Drive Technologies and Industry Automation IT Department Siemens  
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## Accelerating the Flow of Data in the Internet of Things

A car's braking system dynamically adapts to a sudden road hazard, warning the driver of impending danger. An airplane jet engine boosts its thrust in mid-flight, communicating with air traffic control on the ground below. An electrical company responds to a spike in demand, signaling the power grid to prevent a regional brownout. And all of this occurs in real time, within fractions of a second, sending petabytes of imperative data to numerous end points.

The movement over long distances and simultaneous real-time analysis of large amounts of data has historically been practiced only by industries with critical or time-sensitive missions. But in today's internet of things, more and more companies need the ability to perform high-volume, high-velocity, and high-scale collection and streaming of data efficiently over local and wide area networks. The architectures required to achieve this, however, have demanded vast infrastructure resources and extensive development expertise. And so, the ability has been beyond the reach of most companies. Until now.

### High Volumes at High Velocity, Highly Scalable

Informatica Vibe Data Stream for Machine Data is the advent of a new capability: streaming data collection for real-time, big data analytics, operational intelligence and traditional enterprise data warehousing based on Informatica's established, high performance messaging technology. This solution makes previously resource-intensive technology—that has been out of reach for all but a few companies—now readily accessible via enterprise-class software that's affordable and easy to configure and use. Vibe Data Stream provides:

- High-volume data collection at high speeds, in real time for a wide variety of data sources
- Data collection over local and wide area networks
- Adaptable architecture, providing one-to-one, one-to-many, many-to-one, and many-to-many connections
- Highly available and reliable data delivery
- Direct delivery to targets for either stream or batch processing

“ In today's internet of things, more and more companies need the ability to perform high-volume, high-velocity, and high-scale collection and streaming of data efficiently over local and wide area networks. ”

Regardless of the industry or its demands, Informatica Vibe Data Stream enables data to be collected at high volumes and streamed at high speed in a way that's resource-efficient by simply deploying more Vibe data collection agents. This high-performance, streaming data collection is massively scalable, with throughput rates of millions of messages, records, or events per second. It also supports an entire ecosystem of sources and targets, delivering the data in real time to those targets in a variety of connection patterns for different business purposes.

Speeding the flow and analysis of data from sensors, log files, mobile devices, network infrastructure, and other sources in numerous industries, Vibe Data Stream accelerates the pace of any business.

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Why Big Data Streaming?

Informatica  
Vibe Data Stream  
for Machine Data  
Plugs Hadoop into  
the Internet of Things

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## An Industry First

What makes Informatica Vibe Data Stream unique is its foundation on the world's fastest and most reliable messaging technology. Leveraging the innovative and simplified architecture of this broker-less solution gives Vibe Data Stream superior performance in speed, throughput, and high availability. This architecture also makes it extremely efficient by eliminating unnecessary data copies and any requirement for a shared file system for failover. Further differentiating Vibe Data Stream is its ability to support real-time data delivery to concurrent targets such as Hadoop and Cassandra for big data analytics and enterprise data warehousing, as well as to [Informatica PowerCenter](#) for enterprise data integration, and [Informatica RulePoint](#) for complex event processing.



Do Big Data Streaming the Right Way

And yet, even with all this power and versatility, Vibe Data Stream remains easy to use, with its intuitive, centralized GUI. This interface simplifies configuration, deployment, administration, and monitoring—not only for IT managers, developers, and architects focused on data integration, but also for users in business intelligence, data analytics, operational intelligence, and data warehousing.

“No other offering on the market provides the ability to respond to large data volumes with such immediacy, enabling the continuous ingestion and rapid processing of data generated in real time.”

Informatica Vibe Data Stream is a first in the industry, enabling the continuous ingestion and rapid processing of data generated in real time—without excessive demands for infrastructure resources or development expertise. No other offering on the market brings within reach the ability to respond to large data volumes with such immediacy. This makes Vibe Data Stream singular in advancing operational intelligence and improving the customer experience.

[Read the Press Release](#)

Informatica Vibe Data Stream for Machine Data Plugs Hadoop into the Internet of Things

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