Informatica Intelligent Structure Discovery

Accelerate Your Ability to Understand IoT and Machine Data and Put it to Work Alongside Other Enterprise Data to Generate Business Value.

With the explosion of machine data from the Internet of Things, the web, networking, security, and other appliances and systems, organizations are looking for easier ways to make sense of the data and integrate it with other enterprise data to drive business outcomes. Machine data usually takes the form of log files that do not have a standard structure and can be difficult to understand, transform, and integrate. Machine and log file data can vary among providers, software revisions, configuration parameters, and other criteria—as well as change over time. There is a need for tools that can help speed understanding, visibility, and parsing preparation.

Rapidly understand and parse machine data with automation

An increasing number of organizations are searching for new and improved ways to capitalize on the steady flow of data they are receiving from machines, the web and other sources throughout their enterprises. Most companies use humans to manually analyze and integrate the data, use old-style tools with complex user interfaces requiring specific expertise, or use purpose-built systems to analyze machine data in isolation.

The resulting use of machine data is usually limited, project-specific, opaque in process, and slow and difficult to adapt to changes in the data formats or the need to process many variations over time. Instead of easily leveraging all of this machine data freely with any other enterprise data, most companies find that their ability to use this data in the way they want is restricted and slow.

Benefits

- Empower teams to be more agile with machine data through advanced tools that assist through automation
- Leverage machine learning and auto-generated visual models to more quickly understand machine data and prepare it
- Easily put auto-generated parsers for machine data and other log files to work in Informatica Cloud

A simple, machine learning-generated dynamic visual model aids in understanding machine data.

Preview the target data structure specified in the visual model and how it compares to the source data.
About Informatica

Informatica is 100 percent focused on data because the world runs on data. Organizations need business solutions around data for the Cloud, big data, real-time and streaming. Informatica is the world’s No. 1 provider of data management solutions, in the Cloud, on-premises, or in a hybrid environment. More than 7,000 organizations around the world turn to Informatica for data solutions that power their businesses.

Greater automation and understanding of machine data powers business value

Instead of waiting for specialized IT resources to manually analyze and prepare IoT and other machine data before being able to use it, Informatica Intelligent Structure Discovery uses automation and visual tools to help you leverage the data more quickly.

Combining machine learning-powered automation with the flexibility and power of Informatica Cloud, organizations can rapidly put these new data sources to work with the rest of their enterprise. This means you can leverage these new rich sources of non-standard data beyond point projects more easily to unlock greater value to your organization. You may start with an initial use case to identify anomalies for security or fraud detection or the behavior of remote systems and can easily expand to broader analytics or operational use cases that could be predictive.

Automation to increase the value of IoT and machine data

Embedded in Informatica Cloud Integration Platform as a Service (iPaaS), Intelligent Structure Discovery makes it faster and easier to understand machine data, such as log files from machines and the web, and transform it for use with other enterprise data for analytics or operational use cases. Using machine learning and an auto-generated visual model of the data elements, users can quickly understand the file structure from a sample, the data contained within the log files, and the relationships among the data elements. The system can also automatically detect and transform common JSON structures.

Users can decide which elements they need and refine an output structure to leverage the data with data from other enterprise systems. An auto-generated parser then converts the machine data into the desired structure for consuming systems, such as relational. This auto-generated parser can be used seamlessly within Informatica Cloud Designer to transform large amounts of machine data on an on-going basis.

Improve your ability to rapidly understand and put machine data to work

Increase team agility and the efficiency through machine learning and visual tools to automate the transformation and integration of machine data and other types of log files in your enterprise. Try out the Informatica Intelligent Structure Discovery within Informatica Cloud today or contact us for more information about how your organization can benefit from Intelligent Structure Discovery of machine data.