

IBM Informix TimeSeries Real-Time Loader Version 1.10

Highlights

- ***Provides seamless access to real-time and historical data***
- ***Makes time-stamped data available in real time***
- ***Leverages IBM Informix® NAG DataBlade® for superior analysis of real-time data***
- ***Creates competitive advantage by enabling analysis of complex data***
- ***Stores data in enterprise-grade repository for enhanced reliability and scalability***
- ***Includes open-standard interfaces***
- ***Provides seamless access to real-time historical data***

The challenge

Organizations in a variety of industries are processing unprecedented amounts of time-ordered data. To seize windows of opportunity that are measured in seconds, rather than in minutes—such as from financial-industry tick data, manufacturing-process measurements, oil- and gas-industry data, and network analysis—you need real-time data analysis. Hours or days later is often too late. Traditional solutions, such as relational database management systems (RDBMSs), Nonrelational database systems and time-series data stored as binary large objects (BLOBs), lack the performance, efficiency and ease of use required to effectively manage time-series data. In-memory databases lack the scalability and reliability that you need.

The solution

IBM Informix TimeSeries Real-Time Loader loads time-stamped data at a high rate of speed, which allows simultaneous analysis of that data in real time. The IBM Informix TimeSeries Real-Time Loader works in conjunction with NAG DataBlade technology to achieve greater analytical performance than is possible with either traditional relational databases or standalone real-time analysis software. It can enable you to manipulate and analyze previously unmanageable volumes of data.



The Informix TimeSeries Real-Time Loader makes a world of time-stamped data available at a high rate of speed.

Easily manage volumes of real-time and historical data

Informix TimeSeries Real-Time Loader is a member of the IBM Informix Finance Foundation bundle, which includes:

- * *IBM Informix TimeSeries DataBlade, which provides optimized storage and retrieval of time-stamped data*
- * *IBM Informix NAG DataBlade, which provides world-class analytics*
- * *IBM Informix Dynamic Server, the IBM Informix flagship database server*
- * *IBM Office Connect, a visualization option*

Informix TimeSeries Real-Time Loader is capable of taking feeds from up to 99 different data sources simultaneously, such as market data feeds, IBM WebSphere® MQ and customized data. Large amounts of data are taken from a feed and are visible to queries in real time. Because time-stamped data from one day or more is stored in cache memory, it is possible for the most recent data to be rapidly retrieved and each record to be visible to the rest of the database system (or client applications) almost instantly. Data from both the cache memory and the database can be accessed in the same query for analysis that includes both incoming and historic data.

Informix TimeSeries Real-Time Loader allocates a large block of shared memory. Using DataBlade technology, it provides visibility to any ticks placed in the shared memory to make the data available for SQL or C queries. In addition, it supports a fault-tolerant environment by saving the incoming real-time data to disk in real time, or at periodic intervals. With the Real-Time Loader you have the best of both worlds—the ability to manage large volumes of real-time data, and manage an online, historical-time-series repository.

Consulting expertise from IBM Software Services for Data Management

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Imagine the advantages you can gain with simultaneous analysis of worldwide data.

IBM Informix TimeSeries Real-Time Loader Version 1.10 at a glance

Benefits

Provides faster performance

The speed of the IBM Informix TimeSeries Real-Time Loader far exceeds the current amount of data that companies typically load. The excess capacity can be used to accommodate additional data as needed.

Enables simultaneous data loads from multiple sources

Informix TimeSeries Real-Time Loader can simultaneously load data from multiple sources into the same repository. For example, you can access data from Reuters, Bloomberg and NYSE TAQ feeds in the same query, if necessary.

Disregards erroneous data

You can set the parameters for incoming data, and IBM Informix TimeSeries Real-Time Loader will disregard erroneous data, such as a data-input error, that could lead to statistical errors in data.

Performs analysis on real-time and historical data

IBM Informix TimeSeries Real-Time Loader routinely stores incoming data in a database using the optimized storage and retrieval mechanisms of Informix TimeSeries DataBlade. Recent and historical data can be archived and later retrieved for simultaneous analysis and comparison.

Key features

Customizable data format

IBM Informix TimeSeries Real-Time Loader supports both regular and irregular time-series data.

Feed handler toolkit

IBM Informix TimeSeries Real-Time Loader provides a reference implementation for feed handling.

Flexible data feed

IBM Informix TimeSeries Real-Time Loader reads simultaneously for up to 99 different data sources.

Sophisticated data filters

Data can be filtered during the loading process to provide only data relevant to the applications that are being analyzed.

SQL and C Application Programming Interfaces

Informix TimeSeries Real-Time Loader provides SQL and C APIs to interfaces for accessing data in shared memory. These interfaces ensure easy application development and deployment of unloaded data.

Ease of integration

The IBM Informix Dynamic Server extensibility option of the relational database simplifies the integration of Informix TimeSeries Real-Time Loader into your enterprise environment.



For more information

Please contact your IBM Marketing
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(1 800 426-2255) within the U.S.
Also, go to our Web site at
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