What's New—

Raima Database Manager 15.1

RDM is a high-performance database management system that is optimized for operating systems commonly used within the embedded market. The database engine has been developed to fully utilize multi-core processors, run with minimal memory, and support both in-memory and on-disk storage. It provides a subset of the ANSI/ISO standard SQL that is suitable for running on a wide variety of computers and embedded operating systems which may have limited resources.

Key Features:

- Time series
- Performance
- REST-ful webapp administrative GUI

Time Series Data Format

RDM 15.1 will have a new generatable time series interface allowing full flexibility with storing vast amounts of data which is Fast Fourier Transformed over time.

- ***Ease of use:*** Based on a schema with time series columns, a full API will be automatically generated to interact with this data type,
- ***Custom FFT:*** Raima designed FFT API's with support for Scaling, Absolute Value, Real computations. ***Flexibility:*** Full support for swap in and out of FFT libraries should the user want to utilize a third party or their own implementation
- ***Powerful:*** Fully supports standard time series operations such as: arithmetic, geometric, and harmonic mean, downsampling, and data splits.

Primary Key Performance Optimizations

RDM 15.1 will have newly created optimizations for primary key indexes. Users with primary keys on their tables will see enhanced performance.

Administrative Interface

A newly supported REST-ful admin GUI webapp has been added to the database server functionality.

- **CRUD:** (create, read, update and delete) operation to the database through simple database access buttons
- **Diagnostics:** RDM engine status: memory usage, CPU usage, database size, table size, users connected, etc. are all viewable upon immediate connection
- **Administration:** Database components and configuration can be seen and updated/modified on the fly.

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