

Jaguar 2.8.7 02/15/2018

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. Supports storage of any type of documents:

(audio, video, image, photo, word, ppt, pdf, mp4, etc)

. Jaguar admin package supports 2D bar chart of query result

- 1) Create table media (key: uid bigint, value: img **file**, audio **file** );  
**file** is a new data type, img column and audio column will store file data
- 2) Insert into media values ( 1000, '/path/to/imagefile.jpg', '/path/to/audiofile.wav');
- 3) Getfile img into '/local/path/file.jpg', audio into '/local/path/file.wav' from media where uid=1000;  
Getfile command must uniquely select one row in the table. You can use file name as the first key if you want to get a file (download file data to you client side) by file name.
- 4) The file data is also replicated to multi-datacenters during insert operation.
- 5) Update of a file column is not supported
- 6) Delete a row with file columns are supported, with files being removed.
- 7) Update and delete operations are supported in multiple data centers.

Jaguar 2.8.6 02/07/2018

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. Adding conf/datacenter.conf to support multiple active-active support

- 1) Add conf/datacenter.conf in all servers in current cluster
- 2) After 1 minutes, the servers will pick up this config file and automatically start data replication among data centers.
- 3) Insert, update, delete of records are replicated among all data centers.
- 4) Schema changes of tables are also replicated in all data centers.
- 5) File datacenter.conf contains one server IP address per data center. Each line represents a datacenter. This file can be copied to all servers in all data centers for simplicity and easy management.

Jaguar 2.8.5.3 02/05/2018

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. Fixed crash bug in client connection due to lack of public key

Jaguar 2.8.5.2 01/22/2018

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. Added encryption of password during connection to server

. Check system API commands for authentication

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. Optimize number of threads usage for JDB files

. If server is doing initialization, client gets server not ready error

Jaguar 2.8.4 12/28/2017

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. Enterprise and freetrial are merged into one version, requiring no license

. Added load\_file(fpath) support for binary file loading

. Fixed bug in drop database, invalid database name

Jaguar 2.8.3.1 12/01/2017

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. Fixed bug where show empty tables in a new database

Jaguar 2.8.3 11/28/2017

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. Added support of default value of a string

. Added support of enum

Jaguar 2.8.2.4 11/25/2017

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. Added support of insert into tab1 select from tab2 ...

Jaguar 2.8.2.3 11/05/2017

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. Use different length-key

Jaguar 2.8.2.2 11/05/2017

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- . fixed a bug in negative file number

Jaguar 2.8.2 10/31/2017

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- . added bin/tools/convert\_mysql\_to\_jaguar\_schema.sh to convert schema
- . details printed in parser error
- . less threads in parallel parser
- . desc table showing default values
- . added default values in create table
- . fixed bug in resize local file
- . improved concurrency control
- . logging command or error by \$DB.log \$DB.err
- . added @file or source file in jql
- . uuid value override by user-input

Jaguar 2.8.1 09/30/2017

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- . Fixed bug with database import from exported data
- . Improved order by key desc

Jaguar 2.8.0 09/27/2017

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- . Added exportcsv/importcsv commands
- . Added spare\_ column in creating table
- . Added "alter table TAB123 add COL TYPE;" support using spare\_
- . JAGUAR\_HOME now defaults to \$HOME/jaguar
- . Expand \$ENVVAR/dir/file in load and spool file path

- . Alias varchar type with char
- . Improved install and start/stop shell scripts

Jaguar 2.7.9 09/15/2017

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- . Fixed bug in update

Jaguar 2.7.8 09/12/2017

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- . Fixed bug in update set invalid column
- . MEMORY\_MODE high and low two way automatic conversion

Jaguar 2.7.7 09/08/2017

Jaguar 2.8.2.1 11/02/2017

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- . reduced number of sleeping threads
- . fixed a bug in key collision for loss of records

Jaguar 2.8.2 10/31/2017

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Jaguar 2.8.1 09/30/2017

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Jaguar 2.7.9 09/15/2017

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Jaguar 2.7.8 09/12/2017

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Jaguar 2.7.7 09/08/2017

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- . Optimized join by value columns
  - . Fixed bug in file name splitting of jdb files

Jaguar 2.7.6 09/05/2017

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- . Fixed bug in float columns
- . Fixed bug in timeout print
- . Fixed bug in shell scripts
- . Added support for scientific notation

Jaguar 2.7.5 09/02/2017

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- . Added support for Windows server

Jaguar 2.7.4 08/26/2017

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- . Added support for Windows client dll
- . Fixed bug in deleting records

Jaguar 2.7.3 08/17/2017

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- . Added support for SSD STORAGE\_TYPE=SSD in conf/server.conf  
so that Jaguar uses less memory and leverage SSD's fast speed
- . Added Hash Join: a small table (<=500K rows) is loaded in memory  
for two-table join
- . Fixed a bug in deleting many rows

Jaguar 2.7.2 08/12/2017

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- . Fixed bugs in select and memory buffer

Jaguar 2.7.1 08/04/2017

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- . Added inner join (or simply join) of two tables in Jaguar

Jaguar 2.7.1 08/04/2017

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- . Added inner join (or simply join) of two tables in Jaguar

Jaguar 2.7.0.3 07/28/2017

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- . Fixed bug metata info from JDBC

Jaguar 2.7.0.2 07/26/2017

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- . Fixed bug in getValue() method in client. This affected Java  
Python and other API clients.

Jaguar 2.7.0.1 07/07/017

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- . Added scripts for installing Jaguar on all hosts in cluster
- . Added Big data components (Kafka, Hadoop, Spark), one key installation  
on all hosts
- . Added TensorFlow AI software
- . Added jaguar-admin-2.7.0.1.tar.gz for JaguarDB admin/monitor package

Jaguar 2.7.0 06/27/2017

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1. Make sure there are no duplicates in saved data.

Jaguar 2.6.9 06/18/2017

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1. Make scaling of Jaguar cluster easy and fast
2. Free trial version can run on any number of nodes with all basic features (except the fault-tolerance support).