

Jaguar 2.9.4.1 10/15/2018

- . fixed bug in getnthvalue in JaguarCPPClient
- . added client jql expect number of correct/error
- . fix: select * from "table";
- . fixed bug in insert into table with uuid as first key
- . fixed create table d1 double precision
- . fixed parser to handle newlines in create table statement

Jaguar 2.9.4 09/20/2018

- . added support for geometry and geographic data storage
- . support for location relation between geometric objects
- . support for GeoJson data input and output
- . point, line, linestring, square, circle, ellipse, rectangle
- . sphere, ellipsoid, box, cube, cone, triangle, multipoint
- . multilinestring, polygon, multipolygon
- . within(), distance(), nearby(), coveredby(), disjoint()

Jaguar 2.9.2 05/18/2018

- . added support for "grant PERM1, PERM2, .. PERM on db.tab.col to user"
- . added support for "grant select on db.tab.col to user [where ...]"
- . added support for "revoke PERM1, PERM2, ... PERM on db.tab.col from user"

Jaguar 2.9.1.2 05/10/2018

- . added freetrial and enterprise versions

Jaguar 2.9.1.1 04/30/2018

- . fixed bug in create user
- . fixed bug in changepass
- . fixed bug in displaying double columns

Jaguar 2.9.1 04/22/2018

- . Gateway and hosts support
- . Forward data between hosts and gateway

Jaguar 2.9.0.5 04/10/2018

- . fixed minus sign parser error in where clause

Jaguar 2.9.0.4 04/03/2018

- . improved multiple clients select range using thread pool

Jaguar 2.9.0.3 04/01/2018

- . fixed bug of inserting invalid scientific number to float column

Jaguar 2.9.0.2 03/28/2018

- . added INIT_EXTRA_THREADS in server.conf for more initial threads
- . fixed bug of 256 buffer in client
- . displaying subcluster number in cluster.conf
- . fixed jaguarstop bug in Chinese windows

Jaguar 2.9.0.1 03/12/2018

- . Fix thread queue bug where a small cluster had not enough sockets

Jaguar 2.9.0 03/07/2018

- . Use dynamic thread queue, according to # of servers
- . Dropdb [force] DB;
- . Drop table [force] tab123;
- . No background threads for one-client ops

Jaguar 2.8.9 03/06/2018

- . Fixed bug when join of tables need new connections to hosts
- . Added Windows static lib library

Jaguar 2.8.8.5 03/03/2018

- . Fixed bug when there are multiple clusters, update/delete error

Jaguar 2.8.8.4 03/02/2018

- . Fixed getfile bug, parser no check valid path, client does
- . Cross data center insert file bug fix
- . jql goes back to no-keep new line mode

Jaguar 2.8.8.3 03/01/2018

- . Fixed bug of jql wait on ; in same line
- . getfile COL time, COL size, COL md5 from table where ...
- . Fixed hostname and IP mismatch on client and newcluster.conf

Jaguar 2.8.8 02/25/2018

- . Fixed bug of hostname and IP address mixed case

Jaguar 2.8.7.3 02/23/2018

- . Fixed bug of too many recursion in client

Jaguar 2.8.7.2 02/20/2018

- . Fixed bug in getfile COL into localfile from t where ...;

Jaguar 2.8.7 02/15/2018

- . 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

Jaguar 2.8.7 02/15/2018

- . 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

. 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

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

Jaguar 2.8.5.2 01/22/2018

. Added encryption of password during connection to server

. Check system API commands for authentication

. 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

- . Fixed bug where show empty tables in a new database

Jaguar 2.8.3 11/28/2017

- . Added support of default value of a string
- . Added support of enum

Jaguar 2.8.2.4 11/25/2017

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

Jaguar 2.8.2.3 11/05/2017

- . Use different length-key

Jaguar 2.8.2.2 11/05/2017

- . fixed a bug in negative file number

Jaguar 2.8.2 10/31/2017

- . 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

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

Jaguar 2.8.0 09/27/2017

- . 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

- . Fixed bug in update

Jaguar 2.7.8 09/12/2017

- . 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

- . 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 2.7.8 09/12/2017

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Jaguar 2.7.7 09/08/2017

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

Jaguar 2.7.6 09/05/2017

- . 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

- . Added support for Windows server

Jaguar 2.7.4 08/26/2017

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

Jaguar 2.7.3 08/17/2017

- . 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

- . Fixed bugs in select and memory buffer

Jaguar 2.7.1 08/04/2017

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

Jaguar 2.7.1 08/04/2017

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Jaguar 2.7.0.3 07/28/2017

- . Fixed bug metata info from JDBC

Jaguar 2.7.0.2 07/26/2017

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

Jaguar 2.7.0.1 07/07/017

- . 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

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

Jaguar 2.6.9 06/18/2017

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).