DataJaguar Jaguar NoSQL Database

Server Configuration

Configuration file $JAGUAR_HOME/jaguar/*conf/server.conf* includes the following parameters:

1. PORT is the listening port number of Jaguar server. Default is 8888.

2. LISTEN_IP is the IP address that the server will use if there are multiple network interfaces on the same server host. If there is only one IP address on the server host, this parameter should be commented out and ignored.

3. MEMORY_MODE is the memory type on Jaguar server. If it is high, then a little more memory is used by Jaguar. If it is low, then less memory is used by Jaguar. Default value is high.

4. BUFF_READER_BLOCKS   When scanning a table, blocks of underlying file are loaded into a buffer which size is specified by this number. Higher number can boost performance during join or any scan operations. Default is 4096.

5. BUFF_READER_MAXMEM   As described by above parameter, scanning a table uses a chunk of memory buffer. The maximum size of the buffer is bound by this parameter (MB) to preventing the system from running out of memory. Default is 32 MB.

6. JAG_LOG_LEVEL   Lower number (min is 0) makes the server generate less logging messages. A higher number (max is 9) makes the server generate more debugging information.

7. LOCAL_BACKUP_PLAN Specifies when and how data is backed up. There are five types of intervals when duplicate data is saved: 15MIN, HOURLY, DAILY, WEEKLY, and MONTHLY. When data is saved, it can be either SNAPSHOT or OVERWRITE mode. SNAPSHOT means each and separate copy of data is saved with a timestamp (uses more storage space as times goes on). OVERWRITE

means only one copy of data is saved. The format for REMOTE_BACKUP_PLAN is frequency:policy|frequency:policy|… where frequency is one of 15MIN, HOURLY, DAILY, WEEKLY, and MONTHLY, and policy is one of SNAPSHOT or OVERWRITE. If no value is provided for BACKUP_PLAN, then no data is saved as backup.

8. REMOTE_BACKUP_SERVER and REMOTE_BACKUP_INTERVAL: These parameters specify remote backup server IP address and backup interval in seconds. If these parameters are provided, all servers in the cluster will periodically send local data to the remote server for backup.

9. THREAD_GROUPS: Number of groups for threads processing client requests. This should be 1X or 2X the number of cores of the server.

10. THREAD_GROUP_SIZE: number of threads used in each thread group. Typical numbers are 10 or 20, depending on the amount of memory of the server.

11. SERVER_TOKEN: a text string used as authentication token between server communication. It is recommended that this string is modified on your site and copied to all servers in the cluster.