Deployment Guide

cassandraKeyspace Section

5/11/2025

Contents

cassandraKeyspace Section

dataCompression

Default Value: `lz4`
Valid Values: `lz4, snappy, deflate`
Changes Take Effect: Applied when the keyspace is created

Specifies data compression algorithm used when data is stored on the disk. Compression maximizes the storage capacity of Cassandra nodes by reducing the volume of data on the disk and disk I/O, particularly for read-dominated workloads. Cassandra quickly finds the location of rows in the SSTable index and decompresses the relevant row chunks. See http://docs.datastax.com/en/cassandra/2.0/cassandra/operations/ops_config_compress_t.html

name

Default Value: `Cobrowse`
Valid Values: string
Changes Take Effect: Applied when the keyspace is created

Specifies the Cassandra keyspace name where Co-browse server data will be stored. If the keyspace with this name does not exist in the cluster, it will be created automatically.

readConsistencyLevel

Default Value: `LOCAL_QUORUM`
Valid Values: `ALL` , `EACH_QUORUM` , `QUORUM` , `LOCAL_QUORUM` , `ONE` , `TWO` , `THREE` , `LOCAL_ONE` , `ANY`
Changes Take Effect: After Co-browse server restart

Specifies the consistency level. Determines the number of replicas on which the read must succeed before returning any data to the client application.

writeConsistencyLevel

Default Value: `LOCAL_QUORUM`
Valid Values: `ALL` , `EACH_QUORUM` , `QUORUM` , `LOCAL_QUORUM` , `ONE` , `TWO` , `THREE` , `LOCAL_ONE` , `ANY`
Changes Take Effect: After Co-browse server restart

Specifies the consistency level. Determines the number of replicas on which the write must succeed before returning an acknowledgment to the client application.

replicationStrategy

Default Value: `NetworkTopologyStrategy`
Valid Values: `SimpleStrategy` , `NetworkTopologyStrategy`
Changes Take Effect: Applied when the keyspace is created.

Specifies the keyspace replica placement strategy. See http://docs.datastax.com/en/cassandra/2.1/cassandra/architecture/architectureDataDistributeReplication_c.html.

> ## Warning
>
> Genesys strongly recomends **not** using `SimpleStrategy`. If you use `SimpleStrategy`, you cannot use more than one data center and KeySpaces you create will be difficult to migrate to `NetworkTopologyStrategy` once they contain a lot of data. Also see https://docs.datastax.com/en/cassandra/2.0/cassandra/architecture/architectureDataDistributeReplication_c.html

If you set your replication strategy to `SimpleStrategy` you must also:

- Configure a replication factor in the **replicationStrategyParams** option.
- For embedded Cassandra, set the **endpointSnitch** option of the **cassandraEmbedded** section to `SimpleSnitch`.
- For external Cassandra, set `endpoint_snitch: SmipleSnitch` in your **cassandra.yaml** file.

replicationStrategyParams

Default Value: `'OperationalDC':1`
Valid Values:

For `NetworkTopologyStrategy` set the value to comma separated pairs of `'[Some_Data_Center_Name]':[replication factor number]`

When the replication strategy is `SimpleStrategy`, value should contain either a number or `'replication_factor':<number of replication factor>`. For example, 3 or `'replication_factor':3`.

Changes Take Effect: After Co-browse server restart.

Comma separated parameters which define how many replicas you want per data center.

retention.entity.all

Default Value: 1
Valid Values: Positive integer in time-units. Must be equal to or greater than any other `retention.entity` value.
Changes Take Effect: After Co-browse server restart.

Specifies the default duration in time-units (days by default) to keep data in a column family if a special duration is not present for the column family.

retention.entity.chat_session

Default Value: 1
Valid Values: Positive integer in time-units. Must be greater than the amount of time expressed by the `cometd/maxInterval` option.
Changes Take Effect: After Co-browse server restart.

> **Warning**
>
> This option is not yet in the template and will be added in the 8.5.1 release.

Specifies duration to keep data in the chat_session column family. This column family stores chat session data.

retention.entity.live_sessions

Default Value: 1
Valid Values: Positive integer in time-units. Must be greater than the amount of time expressed by the cometd/maxInterval option.
Changes Take Effect: After Co-browse server restart.

> **Warning**
>
> Starting with 8.5.003.04, the **retention.entity.livesessionentity** opton is now **retention.entity.live_sessions**. As documented in this known issue, the old option name is still in the configuration option template.

Specifies the duration in time-units (days by default) to keep data in the live_sessions column family. The column family stores the core Co-browse session state shared in the Co-browse cluster. In a normal situation, data from this column family is removed automatically shortly after a session is deactivated (when cometd/maxInterval elapses), but the retention policy mechanism guarantees that the data will be removed anyway. Default is 1 time-unit.

retention.entity.session_history

Default Value: 1
Valid Values: Positive integer in time-units. Must be greater than the amount of time expressed by the cometd/maxInterval option.
Changes Take Effect: After Co-browse server restart.

> **Warning**
>
> Starting with 8.5.003.04, the **retention.entity.sessionhistoryentity** option is now **retention.entity.session_history**. As documented in this known issue, the old option name is still in the configuration option template.

Specifies the duration in time-units (days by default) to keep data in the session_history column family. The column family stores session historical data accessible through the REST API.

retention.entity.window_history

Default Value: 1
Valid Values: Positive integer in time-units. Must be greater than the amount of time expressed by the `cometd/maxInterval` option.
Changes Take Effect: After Co-browse server restart.

> ### Warning
>
> Starting with 8.5.003.04, the **retention.entity.windowhistoryentity** option is now **retention.entity.window_history**. As documented in this known issue, the old option name is still in the configuration option template.

Specifies the duration in time-units (days by default) to keep data in the `window_history` column family. The column family is a temporary store for page navigation information.

retention.time-unit

Default Value: day
Valid Values: `sec`, `min`, `hour`, `day`, or `month`
Changes Take Effect: After Co-browse server restart.

Specifies the retention time unit to define `retention.entity` values.