

Gora Configuration

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1 gora.properties

Gora reads necessary configuration from a properties file name `gora.properties`. The file is searched in the classpath, which is obtained using the `ClassLoader` of the `DataStoreFactory` class. The following properties are recognized:

Property	Required	Default	Explanation
<code>gora.datastore.default</code>	No	–	The full classname of the default data store implementation to use
<code>gora.datastore.autocreatesc</code>	No	true	Whether to create schemas automatically

Table 1: Common Properties

`gora.datastore.default` is perhaps the most important property in this file. This property configures the default `DataStore` implementation to use. However, other data stores can still be instantiated thorough the API. Data store implementation in Gora distribution include:

DataStore Implementation	Full Class Name	Module Name	Explanation
AvroStore	<code>org.apache.gora.avro.store</code>	gora-core	An adapter <code>DataStore</code> for binary-compatible Apache Avro serializations. <code>AvroDataStore</code> supports Binary and JSON serializations.
DataFileAvroStore	<code>org.apache.gora.avro.store</code>	gora-core	<code>DataFileAvroStore</code> is file based store which uses Avro's <code>DataFile{Writer,Reader}</code> 's as a backend. This datastore supports mapreduce.
AccumuloStore	<code>org.apache.gora.accumulo</code>	gora-accumulo	<code>DataStore</code> for Apache Accumulo .
HBaseStore	<code>org.apache.gora.hbase.store</code>	gora-hbase	<code>DataStore</code> for Apache HBase .
CassandraStore	<code>org.apache.gora.cassandra</code>	gora-cassandra	<code>DataStore</code> for Apache Cassandra .

DataStore Implementation	Full Class Name	Module Name	Explanation
SqlStore	org.apache.gora.sql.store.S	gora-sql	A DataStore implementation for RDBMS with a SQL interface. SqlStore uses JDBC drivers to communicate with the DB. Mysql and Hsqldb are supported for now.
MemStore	org.apache.gora.memory.st	gora-core	Memory based DataStore implementation for tests.
Dynamodb	org.apache.gora.dynamodb	gora-dynamodb	Webservices-based datastore implementation for Amazon's DynamoDB .

Table 1: DataStore implementations

Some of the properties can be customized per datastore. The format of these properties is as follows: `gora.<data_store_class>.<property_name>`. Note that `<data_store_class>` is the classname of the datastore implementation w/o the package name, for example `hbasestore`. You can also use the string `datastore` instead of the specific data store class name, in which case, the property setting is effective to all data stores. The following properties can be set per data store.

Property	Required	Default	Explanation
<code>gora.<data_store_class>.auto</code>	No	true	Whether to create schemas automatically for the specific data store
<code>gora.<data_store_class>.mapping</code>	No	<code>gora-{accumulo hbase cassandra sql dynamodb}-mapping.xml</code>	The name of the mapping file

Table 1: Per DataStore Properties

2 Data store specific settings

Other than the properties above, some of the data stores have their own configurations. These properties are listed at the module documentations:

- [Gora Core Module \(incl. AvroStore, DataFileAvroStore and MemStore\)](#)
- [Gora HBase Module](#)

- [Gora Cassandra Module](#)
- [Gora SQL Module](#)
- [Gora Accumulo Module](#)
- [Gora DynamoDB Module](#)