## **Install**

KairosDB runs with Java 1.8 or later.

1. Download the tar.gz file from the [releases](https://github.com/kairosdb/kairosdb/releases)
2. Extract to where you wish to run from
3. In conf/kairosdb.conf change the kairosdb.service.datastore property to the datastore you wish to use. It defaults to an in memory H2 database (that is slow)
4. Make sure that JAVA\_HOME is set to your java install.
5. Change to the bin directory and run >./kairosdb.sh run
6. <https://github.com/kairosdb/kairosdb/releases/download/v1.3.0/kairosdb-1.3.0-1.tar.gz>

#### **Configuration Options**

## For a complete list of options please see the Cassandra section in kairosdb.conf.

## The datastore configuration is broken up into read\_cluster and write\_cluster. For quick setup you just need to focus on the write cluster configuration. See [Multi Cluster Cassandra](https://kairosdb.github.io/docs/MultiCluster.html#multi-cluster) for when to use read clusters.

| kairosdb.datastore.cassandra.write\_cluster.cql\_host\_list | List of bootstrap servers used for initial connection to Cassandra |
| --- | --- |
| kairosdb.datastore.cassandra.write\_cluster.replication | Lets you set the replication strategy and replication factor when writing to Cassandra [<http://www.datastax.com/docs/1.0/cluster_architecture/replication> more info] |

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## **Starting and Stopping**

Starting and stopping KairosDB is done by running the kairosdb.sh script from within the bin directory.

To start KairosDB and run in the foreground type

> ./kairosdb.sh run

To run KairosDB as a background process type

> ./kairosdb.sh start

To stop KairosDB when running as a background process type

> ./kairosdb.sh stop

# **Importing and Exporting Data**

Import and export is available on the KairosDB server from the command line.

## **Exporting Data**

To export data from KairosDB run the following command:

> bin/kairosdb.sh export -f export.txt

The format of the export is one metric per line in the form of a json object. This can be really verbose but it lets you do interesting things with the data after exporting. If size is an issue try this:

> bin/kairosdb.sh export | gzip > export.gz

### **Export Switches**

-f <filename> – file to write output to. If not specified, the output goes to stdout.

-n <metricName> – name of metric to export. If not specified, then all metrics are exported.

## **Importing Data**

To import the data we exported in the step above you can do this:

> bin/kairosdb.sh **import** -f export.txt

If you happened to compress the export you can pipe it back into the system like this:

> gzip -dc export.gz | bin/kairosdb.sh **import**

### **Import Switches**

-f <filename> – file to import. If not specified the input comes from stdin.