

DB2DataStore

The DataStore interface is general to all of the implemented DataStores. The following document describes the use of a DB2DataStore and is based on the [How to use a PostGISDataStore](#).

These docs have moved to the user guide:

- [DB2](#)
- [DB2 Spearfish Example for GeoTools](#)

Creating a DB2DataStore

The following code shows how to use the DataStoreFinder to create a DB2DataStore.

```
import java.util.HashMap;
import java.util.Map;

import org.geotools.data.DataStore;
import org.geotools.data.DataStoreFinder;
import org.geotools.data.FeatureSource;
import org.geotools.data.Query;

...

Map params = new HashMap();
params.put("dbtype", "db2");           //must be db2 or DB2
params.put("host", "localhost");       //the name or ip address of the machine
running DB2
params.put("port", "50000");           //the port that DB2 is running on (generally 50000)
params.put("database", "geotools");    //the name of the database to connect to.
params.put("user", "db2admin");        //the user to connect with
params.put("passwd", "adminpw");       //the password of the user
params.put("tabschema", "SPEAR");      //the table schema

DataStore datastore = DataStoreFinder.getDataStore(params);
if (datastore == null) {
    throw new Exception("create datastore failed");
}
FeatureSource fsStreams = datastore.getFeatureSource("STREAMS");

System.out.println("Streams count: " + fsStreams.getCount(Query.ALL));
```

Once the DB2DataStore is created, you can use it like any other DataStore.