### ****10.6. API de programación de HDFS****

import java.io.IOException;

import org.apache.hadoop.conf.Configuration;

import org.apache.hadoop.fs.FSDataInputStream;

import org.apache.hadoop.fs.FSDataOutputStream;

import org.apache.hadoop.fs.FileStatus;

import org.apache.hadoop.fs.FileSystem;

import org.apache.hadoop.fs.Path;

public class PutMerge {

public static void main(String[] args) throws IOException {

Configuration conf = new Configuration();

FileSystem hdfs = FileSystem.get(conf);

FileSystem local = FileSystem.getLocal(conf);

Path inputDir = new Path(args[0]);

Path hdfsFile = new Path(args[1]);

try {

FileStatus[] inputFiles = local.listStatus(inputDir);

FSDataOutputStream out = hdfs.create(hdfsFile);

for (int i=0; i<inputFiles.length; i++) {

System.out.println(inputFiles[i].getPath().getName());

FSDataInputStream in = local.open(inputFiles[i].getPath());

byte buffer[] = new byte[256];

int bytesRead = 0;

while( (bytesRead = in.read(buffer)) > 0) {

out.write(buffer, 0, bytesRead);

}

in.close();

}

out.close();

} catch (IOException e) {

e.printStackTrace();

}

}

}