Zookeeper Java Api操作

1、添加依赖。首先在之前java api操作hdfs的例子里面的pom.xml文件里面添加依赖

<dependency>  
 <groupId>org.apache.zookeeper</groupId>  
 <artifactId>zookeeper</artifactId>  
 <version>3.4.10</version>  
</dependency>

2、新建文件。在src-java下面创建包cn.itcast.zookeeper,之后，在该包下新建java文件ZookeeperTest.java。3、任务1：在根目录下面创建子节点mydir，代码如下：

package cn.itcast.zookeeper;  
import org.apache.zookeeper.CreateMode;  
import org.apache.zookeeper.ZooDefs;  
import org.apache.zookeeper.ZooKeeper;  
public class ZookeeperTest {  
 public static void main(String[] args) throws Exception{  
 //创建zookeeper客户端  
 String connectStr = "192.168.31.163:2181,192.168.31.166:2181,192.168.31.160:2181";  
 //参数1：zk服务地址；参数2：会话超过时间；参数3：监视器  
 ZooKeeper zk = new ZooKeeper(connectStr,3000,null);  
 //参数1：创建节点路径和名字；参数2：节点数据内容；参数3:节点权限；参数4：节点类型  
 zk.create("/mydir","mycontent".getBytes(), ZooDefs.Ids.*OPEN\_ACL\_UNSAFE*, CreateMode.*PERSISTENT*);

//关闭zk连接

zk.close();  
 }  
}

4、任务2：获取节点数据，添加代码如下：

public class ZookeeperTest {  
 public static void main(String[] args) throws Exception{  
 //创建zookeeper客户端  
 String connectStr = "192.168.31.163:2181,192.168.31.166:2181,192.168.31.160:2181";  
 ZooKeeper zk = new ZooKeeper(connectStr,3000,null);  
 //参数1：节点路径  
 String mydirdata=new String(zk.getData("/mydir",false,null));  
 System.*out*.println("mydir内容为:"+mydirdata);

//关闭zk连接

zk.close();  
 }  
}

5、修改节点mydir数据

public class ZookeeperTest {  
 public static void main(String[] args) throws Exception{  
 //创建zookeeper客户端  
 String connectStr = "192.168.31.163:2181,192.168.31.166:2181,192.168.31.160:2181";  
 //参数1：zk服务地址；参数2：会话超过时间；参数3：监视器  
 ZooKeeper zk = new ZooKeeper(connectStr,3000,null);  
 //修改节点数据。参数1：节点路径名；参数2：节点修改后的数据  
 zk.setData("/mydir","modifynodedata".getBytes(),-1);  
 String mydirdata1=new String(zk.getData("/mydir",false,null));  
 System.*out*.println("修改节点mydir后的内容为:"+mydirdata1);   
 }  
}

6、删除目录节点mydir

public class ZookeeperTest {  
 public static void main(String[] args) throws Exception{  
 //创建zookeeper客户端  
 String connectStr = "192.168.31.163:2181,192.168.31.166:2181,192.168.31.160:2181";  
 //参数1：zk服务地址；参数2：会话超过时间；参数3：监视器  
 ZooKeeper zk = new ZooKeeper(connectStr,3000,null);   
 //删除目录节点  
 zk.delete("/mydir",-1);

//关闭zk连接

zk.close();  
 }  
}