

Java数据报之失序和丢包 (2) PDF转换可能丢失图片或格式
， 建议阅读原文

https://www.100test.com/kao_ti2020/353/2021_2022_Java_E6_95_B0_E6_8D_AE_c104_353755.htm * 对缓冲的数据包进行排序处理,即按顺序提取同一帧的数据,如果没有找到该序号的帧,则返回空值. * @param sn int 要找的帧序号. * @return DataEntry */
private DataEntry getSnData(int sn) { DataEntry de = null. for (int i = 0. i de = (DataEntry) al.get(i). if (header.getStreamsize() == de.getStreamsize()) { if (sn == de.getSn()) break. else de = null. } } return de. } /** * 按序号开始向前或者是向后寻找最近的帧片段,日后可以增加请求重发功能,通过开一个通信连接. *
@param sn int * @return DataEntry */ private DataEntry seachDeData(int sn) { DataEntry de = null. int initvalue, minvalue = 10000. DataEntry back, fore = null. for (int i = 0. i de = (DataEntry) al.get(i). if (header.getStreamsize() == de.getStreamsize()) { initvalue = Math.abs(de.getSn() - sn). if (de.getFragmentcounter() != de.getSn() amp. initvalue minvalue = initvalue. fore = de. } } } return fore. } /** * 除去最后一帧外,随机抽取一帧. * @return DataEntry */ private DataEntry seachDeData() { DataEntry de = null. for (int i = 0. i de = (DataEntry) al.get(i). System.out.println("sky :::" de.getFragmentcounter() ":" de.getSn() ":" i). if (header.getStreamsize() == de.getStreamsize()) { if (de.getFragmentcounter() != de.getSn()) { break. } } } return de. } /** * 生成组装完的结果数据.因为用图像来做测试,所以令其返回图像. * @return Image */ public java.awt.Image Gereratedata() { ByteArrayInputStream bis. java.awt.image.BufferedImage bimage =

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null. try { byte[] b = fetchDataPackets_sn().toByteArray().
//fetchDataPackets_old1() bis = new ByteArrayInputStream(b).
bimage = javax.imageio.ImageIO.read(bis). } catch (Exception ex1)
{ ex1.printStackTrace(). } return bimage. } public static void
main(String args[]) { DataPacket dp = new
DataPacket("e:\\nature\\14.jpg"). }}/** * 数据实体,充当临时处理
场所. * @author Administrator */class DataEntry { byte[] bytes. int
fragmentcounter, sn, actbytesize. long streamsize. int minfragment.
public DataEntry() { } public DataEntry(int size) { this.actbytesize =
size. } public DataEntry(byte[] b, int i) { this.bytes = b.
this.actbytesize = i. } public byte[] getByte() { return this.bytes. }
public void setBytes(byte[] b) { this.bytes = b. } public void
setStreamsize(long size) { this.streamsize = size. } public long
getStreamsize() { return this.streamsize. } public int
getMinfragment() { return minfragment. } public synchronized void
setSn(int i) { this.sn = i. } public synchronized int getSn() { return sn.
} public synchronized int getFragmentcounter() { return
fragmentcounter. } public synchronized void
setFragmentcounter(int c) { this.fragmentcounter = c. } public void
setActByteSize(int size) { actbytesize = size. } public int
getActByteSize() { return actbytesize. } public String toString() {
return this.streamsize "::" this.fragmentcounter "::" this.sn "::"
this.actbytesize " recv DataEntry". }}/** * 报头,处理报头格式 *
@author Administrator */class PacketHeader implements
Serializable{ public static final int HEADER_BUFFER_SIZE = 1024.
int fragmentcounter, sn. int actbytesize =

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PacketBody.BODY_BUFFER_SIZE. byte[] header. //= new
byte[HEADER_BUFFER_SIZE]. long streamsize. int minfragment.
public PacketHeader() { } public PacketHeader(long l) {
this.setStreamsize(l). } public PacketHeader(String s) { String[] tm =
s.split("::"). this.setActByteSize(Integer.parseInt(tm[3])).
this.setSn(Integer.parseInt(tm[2])).
this.setFragmentcounter(Integer.parseInt(tm[1])).
this.setStreamsize(Long.parseLong(tm[0])). } /** * 根据文件的段
的顺序生成数据头. * @param sn 文件序列 */ 100Test 下载频道
开通，各类考试题目直接下载。详细请访问 www.100test.com
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