



链滴

im4java+GraphicsMagick

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来源网站: [链滴](#)

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```
`import` `java.io.ByteArrayInputStream;`  
`import` `java.io.ByteArrayOutputStream;`  
`import` `java.io.IOException;`  
`import` `java.io.InputStream;`  
`import` `java.io.OutputStream;`  
`import` `org.apache.commons.lang3.SystemUtils;`  
`import` `org.im4java.core.ConvertCmd;`  
`import` `org.im4java.core.IM4JavaException;`  
`import` `org.im4java.core.IМОperation;`  
`import` `org.im4java.process.Pipe;`  
`import` `org.slf4j.Logger;`  
`import` `org.slf4j.LoggerFactory;`  
`import` `com.jeeplus.modules.isp.service.impl.MongoFileServiceImp;`  
`/**`  
` * 图片处理工具`  
` * 代码实现类将图片装换压缩成固定的大小格式的图片`  
` * 使用工具为im4java+GraphicsMagick-1.3.24-Q8`  
` * 参考: im4java`  
` * GraphicsMagick: 下载`  
` *`  
` * @author xiaofei.xian`  
` * @version`  
` *      1.0, 2016年8月8日 下午2:53:20`  
` */`  
  
`public` `class` `GraphicsMagicUtil {`  
`private` `static` `Logger logger = LoggerFactory.getLogger(MongoFileServiceImp.class);`  
`private` `static` `String GRAPHICS_MAGIC_PATH;`
```

```

`private` `static` `boolean` `IS_WINDOWS;`

`/**`
`* 缩放图片大小`
`*`
`* @throws IM4JavaException`
`* @throws InterruptedException`
`* @throws IOException`
`* @return`
`*/`

`public` `static` `OutputStream` zoomPic(`OutputStream` os, `InputStream` is, `String` contentType,
`integer` width, `Integer` height)`

`throws` `IOException, InterruptedException, IM4JavaException {`

`IMOperation` op = buildIMOperation(contentType, width, height);`

`Pipe` pipeIn = ``new` `Pipe(is, ``null``);`
`Pipe` pipeOut = ``new` `Pipe(``null``, os);`

`ConvertCmd` cmd = ``new` `ConvertCmd(``true``);`

`if` `(IS_WINDOWS) {`

`// linux下不要设置此值，不然会报错`

`cmd.setSearchPath(GRAPHICS_MAGICK_PATH);`

`}`

`cmd.setInputProvider(pipeIn);`
`cmd.setOutputConsumer(pipeOut);`
`cmd.run(op);`

`return` `os;`
`}`

`/**`
`* 压缩图片，返回输入流`

```

```

```
/* @param is
 * @param contentType
 * @param width
 * @param height
 * @return
 */
public static InputStream convertThumbnailImage(InputStream is, String contentType, double width, double height) {
 try {
 IMOperation op = buildIMOperation(contentType, width, height);
 Pipe pipeIn = new Pipe(is, null);
 ByteArrayOutputStream os = new ByteArrayOutputStream();
 Pipe pipeOut = new Pipe(null, os);
 ConvertCmd cmd = new ConvertCmd(true);
 if (!IS_WINDOWS) {
 // linux下不要设置此值，不然会报错
 cmd.setSearchPath(GRAPHICS_MAGICK_PATH);
 }
 cmd.setInputProvider(pipeIn);
 cmd.setOutputConsumer(pipeOut);
 cmd.run(op);
 return new ByteArrayInputStream(os.toByteArray());
 } catch (Exception e) {
 if (logger.isInfoEnabled()) {
 logger.info("Failed to convert image {}", e.getMessage());
 }
 return null;
 }
}

```

```

 ``}
 ``}
 ``/**``

 ``* @param contentType``

 ``* @param width``

 ``* @param height``

 ``* @return``

 ``*/``

`private` `static` `IMOperation buildIMOperation(String contentType, Number width, Number
height) {`

` IMOperation op = ``new` `IMOperation();`

` String widHeight = width + ``"x"`` + height;`

` op.addImage(``"-``); ``// 命令：从输入流中读取图片`

` op.addRawArgs(``"-scale"`` , widHeight); ``// 按照给定比例缩放图片`

` op.addRawArgs(``"-gravity"`` , ``"center"``); ``// 缩放参考位置 对图像进行定位`

` op.addRawArgs(``"-extent"`` , width + ``"x"`` + height); ``// 限制JPEG文件的最大尺寸`

` op.addRawArgs(``"+profile"`` , ``"*``); ``// 去除Exif信息`

` // 设置图片压缩格式`

` op.addImage(contentType.substring(contentType.indexOf(``/``) + ``1``) + ``";"``);`

` return` `op;`

`}`

`public` `static` `void` `setGraphicsMagickPath(String graphicsMagickPath) {`

` GraphicsMagicUtil.GRAPHICS_MAGICK_PATH = graphicsMagickPath;`

` IS_WINDOWS = SystemUtils.IS_OS_WINDOWS;`

`}`

`}`

```