

Last update: 2025/06/02

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xFrame5 Excel , java lib

• lib

• lib

• 가 pdf

## lib

xFrame5 Excel java jar .

lib xFrame5 jar

Excel .

	xExcel lib	xDataset lib
3.14	xExcel lib  xexcel5-3.14.jar  poi-3.14.jar  poi-ooxml-3.14.jar  poi-ooxml-schemas-3.14.jar  commons-beanutils-1.8.3.jar  commons-codec-1.10.jar  commons-fileupload-1.2.1.jar  commons-logging-1.2.jar  curvesapi-1.03.jar  hamcrest-core-1.1.jar  log4j-core-2.3.2.jar  log4j-1.2-api-2.3.2.jar  stax-api-1.0.1.jar  xmlbeans-2.6.0.jar	*xdataset5.jar  * yson-simple-1.1.1.jar





	xExcel lib	xDataset lib
	•	
	xexcel5-3.16.jar	
	poi-3.16.jar	
	•	
	poi-ooxml-3.16.jar	
	poi-ooxml-schemas-3.16.jar	
	•	
	poi-scratchpad-3.16.jar	
	commons-beanutils-1.8.3.jar	
	•	
	commons-codec-1.10.jar	
	commons-collections4-4.1.jar	
	•	
3.16	commons-fileupload-1.2.1.jar	
	commons-io-1.4.jar	
	•	
	commons-logging-1.2.jar	
	curvesapi-1.04.jar	
	hamcrest-core-1.1.jar	
	•	
	log4j-core-2.3.2.jar	
	log4j-api-2.3.2.jar	
	•	
	log4j-1.2-api-2.3.2.jar	
	stax-api-1.0.1.jar	
	•	
	xmlbeans-2.6.0.jar	





	xExcel lib	xDataset lib
	• xexcel5_412.jar	
	poi-4.1.2.jar	
	poi-examples-4.1.2.jar	
	poi-excelant-4.1.2.jar	
	poi-ooxml-4.1.2.jar	
	poi-ooxml-schemas-4.1.2.jar	
	poi-scratchpad-4.1.2.jar	
	activation-1.1.1.jar	
	commons-codec-1.13.jar	
	commons-collections4-4.4.jar	
	commons-compress-1.19.jar	
4.1.2	commons-logging-1.2.jar	
	commons-math3-3.6.1.jar	
	jaxb-api-2.3.1.jar	
	jaxb-core-2.3.0.1.jar	
	jaxb-impl-2.3.2.jar	
	junit-4.12.jar	
	log4j-core-2.17.2.jar	
	log4j-api-2.17.2.jar	
	log4j-1.2-api-2.17.2.jar	
	SparseBitSet-1.2.jar	
	curvesapi-1.06.jar	
	xmlbeans-3.1.0.jar	
	commons-io-1.4commons-fileupload-1.2.	1



	xExcel lib	xDataset lib
	• xexcel5_522.jar	
	• batik .jar	
	bcpkix-jdk15on-1.70.jar	
	bcprov-jdk15on-1.70.jar	
	bcutil-jdk15on-1.70.jar	
	commons-codec-1.15.jar	
	commons-collections4-4.4.jar	
	commons-io-2.11.0.jar	
	commons-math3-3.6.1.jar	
	commons-compress-1.21.jar	
	commons-fileupload-1.2.1.jar	
	commons-logging-1.2.jar	
	curvesapi-1.07.jar	
	fontbox-2.0.25.jar	
	graphics2d-0.35.jar	
	poi-5.2.2.jar	
5.2.2	poi-examples-5.2.2.jar	
	poi-excelant-5.2.2.jar	
	poi-javadoc-5.2.2.jar	
	poi-ooxml-5.2.2.jar	
	poi-ooxml-full-5.2.2.jar	
	poi-ooxml-lite-5.2.2.jar	
	poi-scratchpad-5.2.2.jar	
	slf4j-api-1.7.36.jar	
	SparseBitSet-1.2.jar	
	xmlbeans-5.0.3.jar	
	pdfbox-2.0.25.jar	
	xml-apis-1.4.01.jar	
	xml-apis-ext-1.3.04.jar	
	xmlgraphics-commons-2.6.jar	
	xmlsec-2.3.0.jar	
	log4j-core-2.17.2.jar	
	log4j-api-2.17.2.jar	
	log4j-1.2-api-2.17.2.jar	



• XExcel5.jar Excel 97 – 2003 .xls Excel .xlsx

XExcel5.jar JDK 1.8POI 3.17 4.X xexcel5.jar

Apache poi lib https://poi.apache.org/

• Log4j Java Apache Log4j (https://logging.apache.org/log4j/2.x/release-notes.html)

#### lib

							XLS			XLS	5X	
EXCEL	,						0			0		
CSV	,						0			0	)	
EXCEL						6	55,536			1,048	,576	
		:		,		,			,	,		
,	,	,	,	,	,			,				

excel

- xFrame5
- web.xml
- lib

#### xFrame5

xFrame5 Engine xframe5.js

```
//
GRID_EXCELDOWNLOAD_ITEMSTYLE: true,
GRID_EXCELDOWNLOAD_FORECOLOR: true,

//
XEXCEL_UPLOAD_URL: 'http://127.0.0.1:8080/xexcel5/XExcelUpload',
XEXCEL_DOWNLOAD_URL: 'http://127.0.0.1:8080/xexcel5/XExcelDownload',
```

	URL
XEXCEL UPLOAD URL	•
XEXCEE_OF EOAD_ONE	ex) XEXCEL_UPLOAD_URL:
	'http://127.0.0.1:8080/xexcel5/XExcelUpload'
	URL
XEXCEL DOWNLOAD URL	•
ALACLI_DOWNLOAD_ORL	ex) XEXCEL_DOWNLOAD_URL:
	'http://127.0.0.1:8080/xexcel5/XExcelDownload'



GRID_EXCELDOWNLOAD_ITEMSTYLE	• ex) true
GRID_EXCELDOWNLOAD_FORECOLOR	ex) true)

## web.xml

, Web web.xml 가 .

```
<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"</pre>
   xmlns="http://java.sun.com/xml/ns/j2ee"
   xmlns:web="http://xmlns.jcp.org/xml/ns/javaee"
   xsi:schemaLocation="http://java.sun.com/xml/ns/j2ee
   http://java.sun.com/xml/ns/j2ee/web-app 2 4.xsd
http://xmlns.jcp.org/xml/ns/javaee
   http://java.sun.com/xml/ns/javaee/web-app 2 5.xsd" id="xadmin"
version="2.4">
  <!-- 가 -->
    <servlet>
       <servlet-name>XExcelDownload</servlet-name>
        <servlet-class>xexcel5.servlet.XExcelDownload</servlet-class>
    </servlet>
    <servlet-mapping>
        <servlet-name>XExcelDownload</servlet-name>
        <url-pattern>/XExcelDownload</url-pattern>
   </servlet-mapping>
    <servlet>
        <servlet-name>XExcelUpload</servlet-name>
        <servlet-class>xexcel5.servlet.XExcelUpload</servlet-class>
    </servlet>
    <servlet-mapping>
        <servlet-name>XExcelUpload</servlet-name>
        <url-pattern>/XExcelUpload</url-pattern>
    </servlet-mapping>
  <!-- 가
             -->
</web-app>
```

#### Lib

xexcel5 lib WEB-INF/lib



## **Excel API**

xFrame5

API

- API
- API

» Api

xFrame5 GRID

API

## downloadexcel()

**Parameters** 

<b>Parameters</b>	Type	Description
sFileName	STRING	

#### **Return Value**

Туре	Description
void	

## **Example**

```
function btn_downloadexcel_on_mouseup(objInst)
{
    grdList.downloadexcel("download.xlsx");
}
```

## downloadexcelex()

## **Parameters**

Parameters	Туре	Description
sFileName	STRING	
bShowOption	BOOL	
bSaveOneRow	BOOL	



Parameters	Туре	Description
blncPattern	BOOL	
blncHeader	BOOL	
blncStatData	BOOL	
blncBorder	BOOL	
blncAlign	BOOL	
blncBackColor	BOOL	
blncFont	BOOL	
bIncForeColor	BOOL	[ ] ( : false)
blncltemStyle	BOOL	[ ] ( : false)
blncltemMerge	BOOL	[ ] ( : false)
blncLineNumber	BOOL	[ ] ( : false)
blncMasking	BOOL	[ ] ( : false)
nFileDownType	short	( : 0)
nConvNumberType	short	[ ] ( :0)
bCheckRowOnly	BOOL	[ ] ( : false)

#### **Return Value**

Туре	Description
void	

#### **Example**

```
function btn_downloadexcel_on_mouseup(objInst)
   grdList.downloadexcelex("download.xlsx", true, false, true, true,
true, true, false, false);
}
```

#### nFileDownType

```
nFileDownType
                                                                  PC
                                      XExcelDownload
                                                                    Context Root
  temp
                  web.xml
                            TEMP_DIR
                                                                   . TEMP_DIR
   TEMP_DIR
                            temp
        > temp
```

```
<servlet>
   <servlet-name>XExcelDownload</servlet-name>
   <servlet-class>xexcel5.servlet.XExcelDownload</servlet-class>
    <!-- 가 -->
```



```
<init-param>
            <param-name>TEMP_DIR</param-name>
            <param-value>C:\</param-value>
        </init-param>
    <!-- 가
               -->
</servlet>
<servlet-mapping>
    <servlet-name>XExcelDownload</servlet-name>
    <url-pattern>/XExcelDownload</url-pattern>
</servlet-mapping>
```

## uploadexcel()

## parameters

Туре	Туре	Descri	iption			
bAppendMode	BOOL	[ ]		Append	(	: false)

#### **Return Value**

Туре	Description
void	

#### **Example**

```
function btn_loadexcel_on_mouseup(objInst)
{
    grdList.uploadexcel();
}
```

## uploadexcelex()

## . uploadexcel API

#### **Parameters**

Parameters	Туре	Description
nStartSheetNo	short	(1 )
nEndSheetNo	short	
nStartRowNo	long	(1 )



Parameters	Туре	Description
nExcelRowCountPerGridRow	STRING	(A )
nExcelRowCountPerGridRow	short	
bAppendMode	BOOL	[ ] Append ( : false)

## **Return Value**

Туре	Description
void	

#### **Example**

```
function btn_loadexcelex_on_mouseup(objInst)
{
    grdList.uploadexcelex(1, 1, 1, "A", 1);
}
```

#### \* TEMP\_DIR

#### \* CORS\_HEADER

가



가 CORS(Cross-Origin Resource Sharing)

가

false Allow-Origin Access-Control-Allow-Credentials, Access-Control-Allow-Headers, Access-Control-

## » Api

#### setexceldownloadurl()

exceldownload

URL

#### **Parameters**

<b>Parameters</b>	Type	Description	
url	STRING	exceldownload	URL

#### **Return Value**

Туре	Description
void	

#### Example

```
function btn_setexceldownloadurl_on_mouseup(objInst)
{
    var sExcelDownloadUrl =
"http://127.0.0.1:8080/xexcel5_app/XExcelDownload";
    factory.setexceldownloadurl(sExcelDownloadUrl);
}
```



**3**0FTbase xexcel5 가

## setexceluploadurl()

URL excelupload

#### **Parameters**

<b>Parameters</b>	Туре	Description	
url	STRING	exceldownload	URL)

#### **Return Value**

Туре	Description
void	

## **Example**

```
function btn_setexceluploadurl_on_mouseup(objInst)
    var sExcelUploadUrl = "http://127.0.0.1:8080/xexcel5_app/XExcelUpload";
    factory.setexceluploadurl(sExcelUploadUrl);
}
```

#### getexceldownloadurl()

exceldownload URL

#### **Return Value**

Туре	Description	
STRING	exceldownload	URL

## **Example**

```
function btn_getexceldownloadurl_on_mouseup(objInst)
{
    var sExcelDownloadUrl;
    sExcelDownloadUrl = factory.getexceldownloadurl();
   factory.consoleprint("sExcelDownloadUrl = " + sExcelDownloadUrl);
}
```



## getexceluploadurl()

excelupload

URL

#### **Return Value**

Туре	Description	
STRING	excelupload	URL

#### **Example**

```
function btn_getexceluploadurl_on_mouseup(objInst)
{
   var sExcelUploadUrl;
   sExcelUploadUrl = factory.getexceluploadurl();
   factory.consoleprint("sExcelUploadUrl = " + sExcelUploadUrl);
}
```

## XLoggerManager

XLoggerManager Class xFrame5

Xexcel5

- Package
- Lib
- \_
- Log4j
- Logger

## **Package**

XLoggerManager 가

Xexcel5

package



```
> xexcel5 649 [http://125.133.62.11/svn/general/xframe5_repository, Branch: xexcel5_3.16]
Deployment Descriptor: xexcel5
JAX-WS Web Services
Java Resources
  src/main/java 648
    ▶ # excel 404
      ▶ # servlet 648
      4 🚜 util 514
        XExcelFont.java 404
        XExcelLogger.java 404
        XExcelUtil.java 404
        XLoggerManager.java 514
  Src/main/resources 634
  src/test/java 629
  Libraries
JavaScript Resources
Deployed Resources
▶ & > src 649
b 🔄 target 464
  pom.xml 634
```

XLoggerManager

xexcel5.util package

XLoggerManager

web.xml

가 .

가

#### Log4j

```
XLoggerManager 가 log4j
```

Log4j2.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<Configuration>
<!--
                   가 )-->
<Appenders>
   <Console name="xloggerconsole" target="SYSTEM_OUT">
   <PatternLayout pattern="[%5p] %d (%F\:%L) %c{1}.%M \: %m%n"/>
   </Console>
  <!--
                    가 )-->
   <!-- name: Appender , fileName: target , filePattern: history
   <RollingFile name="xloggerfile" fileName="/excel5Logs/excel5log.log"</pre>
filePattern="/excel5Logs/excel5log.%i.log">
       <PatternLayout pattern="[%5p] %d (%F\:%L) %c{1}.%M \: %m%n"/>
       <Policies>
       <!-- size : Byte(default), KB, MB, or GB -->
       <SizeBasedTriggeringPolicy size="5000kb" />
       </Policies>
                     (50 가
       <DefaultRolloverStrategy max="50" fileIndex="min" />
   </RollingFile>
</Appenders>
<Loggers>
   <!-- xexcel5 (
                                 ) -->
   <Logger name="xexcel5" level="DEBUG" additivity="false">
        <AppenderRef ref="xloggerconsole" />
   </Logger>
   <!-- xexcel5
                                       ) -->
   <Logger name="xexcel5TempLoger" level="ERROR" additivity="false">
        <AppenderRef ref="xloggerconsole" />
        <AppenderRef ref="xloggerfile" />
   </Logger>
</Loggers>
</Configuration>
```

xml

LoggerLogger : xexcel5



∘ Logger Level : ERROR

Appender : xloggerconsole(default) : , xloggerfile(option) :

## Logger

WAS logger XLoggerManager

Parameter

logname : (xexcel5)

loglevel : [DEBUG > INFO > WARN > ERROR > FATAL] appender : appender [all, xloggerfile, xloggerconsole]

logprint( [true, false] ):

**CONSOLE** DEBUG

http://projectpath/XLoggerManager?logname=xexcel5&loglevel=debug&appender=xloggerconsole

**DEBUG** FILE CONSOLE

http://projectpath/XLoggerManager?logname=xexcel5&loglevel=debug&appender=all

http://projectpath/XLoggerManager?logname=xexcel5&logprint=true

INFO **CONSOLE** 

http://projectpath/XLoggerManager?logname=xexcel5&loglevel=info&appender=xloggerconsole&log print=true

## **DRM**

xFrame5 xexcel5 lib DRM

DRM class DRM class

DRM 가

**CSV** DRM class

> class DRM

> > XExcelUpload 가 web.xml

<servlet>

<servlet-name>XExcelUpload</servlet-name>

가



<init-param> <param-value> DRM

DRM XExcelUploadDRMClassSample

```
import xexcel5.util.XExcelDrmInterface;
public class XExcelUploadDRMClassSample implements XExcelDrmInterface {
    public XExcelUploadDRMClassSample() {
    }
    public boolean initialize() throws Exception {
        return true;
    }
    public String execute(String saveFileAbsolutePath) throws Exception {
        // saveFileAbsolutePath :
        String decFileAbsolutePath = saveFileAbsolutePath;
        try {
            // TODO: DRM
            // ##### END
            // DRM
      //
            decFileAbsolutePath = saveFileAbsolutePath;
        } catch (Exception e) {
            // TODO: handle exception
            e.printStackTrace();
            return saveFileAbsolutePath;
        }
        return decFileAbsolutePath;
    }
}
```



Line	Description		
3	XExcelDrmInterface implements		
4			
public String execute(String saveFileAbsolutePath) 11 ~ 27 DRM			
	saveFileAbsolutePath : xexcel lib	PATH	
29	decFileAbsolutePath :	PATH .	

#### DRM

```
1. xFrame5 UI
2. xexcel5 lib
3. DRM class
4. DRM class
5. (XExcelUpload class)

xFrame5 UI
(XExcelUpload class)
(DRM class
)
xFrame5 UI
(XExcelUpload class)
```

#### DRM class

web.xml XExcelDownload

가

```
<init-param> <param-value> DRM
```

DRM XExcelDownloadDRMClassSample

```
import xexcel5.util.XExcelDrmEncryptInterface;
public class XExcelDownloadDRMClassSample implements
```



```
XExcelDrmEncryptInterface {
     public XExcelDownloadDRMClassSample () {
     public boolean initialize() throws Exception {
        return true;
     }
     public String execute(String saveFileAbsolutePath) throws Exception {
        // saveFileAbsolutePath :
        String encFileAbsolutePath = saveFileAbsolutePath;
        try {
            // TODO:
                                         DRM
            // #### END
            // DRM
      //
            encFileAbsolutePath = saveFileAbsolutePath;
        } catch (Exception e) {
            // TODO: handle exception
           e.printStackTrace();
           return saveFileAbsolutePath;
      }
     return encFileAbsolutePath;
   }
}
```

Line	Description		
3	XExcelDrmEncryptInterface	implements	
4			
	public String execute(String saveFileAbsolutePath)		
11~27	DRM		
	saveFileAbsolutePath : xexcel lib		PATH
29	encFileAbsolutePath :	PATH	

#### DRM

DRM 가

가 factory

setexcelglobalinfo API



```
function btn_setexcelglobalinfo_on_moeseup (object)
{
    factory.setexcelglobalinfo("EMP_ID#EMP_NAME") ;
}
```

setexcelgridinfo API

DRM

XExcelUploadDRMClassSampleEx

```
import xexcel5.util.XExcelDrmInterfaceEx;
public class XExcelUploadDRMClassSampleEx implements XExcelDrmInterfaceEx {
     public XExcelUploadDRMClassSample() {
     }
     public boolean initialize() throws Exception {
          return true;
     }
     public String execute(String saveFileAbsolutePath, String
strGlobalInfo,
                String strGridInfo) throws Exception {
        // saveFileAbsolutePath :
        String decFileAbsolutePath = saveFileAbsolutePath;
        try {
            // TODO: DRM
            // ##### END
            // DRM
      //
            decFileAbsolutePath = saveFileAbsolutePath;
     } catch (Exception e) {
        // TODO: handle exception
        e.printStackTrace();
        return saveFileAbsolutePath;
     }
     return decFileAbsolutePath;
   }
}
```

Line	Description	
3	XExcelDrmInterfa	aceEx implements .
4		







Line	Description		
	public String execute(String saveFileAbsolutePath) DRM		
	saveFileAbsolutePath : xexcel lib strGlobalInfo : factory.setexcelglobalinfo API strGridInfo : setexcelgridinfo API		PATH
31	decFileAbsolutePath :	PATH	

DRM

X Excel Download DRM Class Sample Ex

```
import xexcel5.util.XExcelDrmEncryptInterfaceEx;
public class XExcelDownloadDRMClassSampleEx implements
XExcelDrmEncryptInterfaceEx {
    public XExcelDownloadDRMClassSample () {
    }
    public boolean initialize() throws Exception {
        return true;
    }
    public String execute(String saveFileAbsolutePath, String strGlobalInfo,
        String strGridInfo) throws Exception {
        // saveFileAbsolutePath :
        String encFileAbsolutePath = saveFileAbsolutePath;
        try {
            // TODO:
                                        DRM
            // ##### END
            // DRM
      //
            encFileAbsolutePath = saveFileAbsolutePath;
        } catch (Exception e) {
            // TODO: handle exception
            e.printStackTrace();
            return saveFileAbsolutePath;
        }
        return encFileAbsolutePath;
    }
}
```

Line	Description			
3		XExcelDrmEncryptInterfaceEx	implements	
4				

가



Line	Description
11 ~ 29	public String execute(String saveFileAbsolutePath, String strGlobalInfo, String strGridInfo) DRM saveFileAbsolutePath : xexcel lib PATH strGlobalInfo : factory.setexcelglobalinfo API strGridInfo : setexcelgridinfo API
31	decFileAbsolutePath: PATH .

zip

zip xexcel XExcelDownloadDRMClassSampleEx

가

setexcelgridinfo API

```
function btn_on_mouseup(objInst)
{
    // EXCEL_NAME:
    // ZIP_PWD: zip
    grdList.setexcelgridinfo("EXCEL_NAME=download.xlsx,ZIP_PWD=123");

    // download.xlsx
    // zip zip download.zip
    // zip xlsx7+ .
    grdList.downloadexcel("download.xlsx");
}
```

EXCEL NAME zip

ZIP PWD

zip XExcelDownloadDRMClassSampleEx

zip4j 2.11.5

```
import java.io.File;
import java.nio.file.Path;
import java.nio.file.Paths;
import java.util.HashMap;
import java.util.Map;
import net.lingala.zip4j.ZipFile;
import net.lingala.zip4j.model.ZipParameters;
import net.lingala.zip4j.model.enums.EncryptionMethod;
import xexcel5.util.XExcelDrmEncryptInterfaceEx;
import org.apache.logging.log4j.LogManager;
```



```
import org.apache.logging.log4j.Logger;
public class XExcelDownloadDRMClassSampleEx implements
XExcelDrmEncryptInterfaceEx
    private static final Logger logger =
LogManager.getLogger(XExcelDownloadDRMClassSampleEx.class);
    public XExcelDownloadDRMClassSampleEx () {
   }
   public boolean initialize() throws Exception
        return true;
   }
   @Override
    public String execute(String saveFileAbsolutePath, String strGlobalInfo,
String strGridInf) throws Exception
    {
        String encFileAbsolutePath
       String zipFilePath
       String excelName
        String zipPassword
       Map<String, String> keyValueMap = null;
       try {
      // = , =
            keyValueMap = parseKeyValueString(strGridInf);
      //
                  zip
            excelName = keyValueMap.get("EXCEL NAME");
            zipPassword = keyValueMap.get("ZIP PWD");
            logger.debug("execute > EXCEL_NAME = " + excelName + ",ZIP_PWD =
" + zipPassword);
      //
              zip
            zipFilePath = getZipFilePath(saveFileAbsolutePath);
      //
            zipFile(saveFileAbsolutePath, zipFilePath, zipPassword,
excelName);
      //
                    zip
            encFileAbsolutePath = zipFilePath;
        } catch (Exception e) {
            // TODO: handle exception
            e.printStackTrace();
            return saveFileAbsolutePath;
        }
        return encFileAbsolutePath;
```



```
}
   /**
     * zip
     * @param saveFileAbsolutePath
     * @return
                   zip
     */
   public String getZipFilePath(String saveFileAbsolutePath) {
        String fileNameWithoutExtension = "";
        String zipFilePath
        String fileName
                                         = "";
        Path filePath
                                           = null;
        Path fileNamePath
                                           = null;
        Path directoryPath
                                            = null;
        int lastDotIndex
                                          = -1;
        try {
      //
                Path
            filePath = Paths.get(saveFileAbsolutePath);
      //
            fileNamePath = filePath.getFileName();
      //
            if (fileNamePath != null) {
                fileName = fileNamePath.toString();
        //
                lastDotIndex = fileName.lastIndexOf('.');
                if (lastDotIndex == -1) {
                    fileNameWithoutExtension = fileName;
                }
                else {
                    fileNameWithoutExtension = fileName.substring(0,
lastDotIndex);
                }
            } else {
                throw new Exception("The provided path is not a valid file
path.");
            }
      //
            directoryPath = filePath.getParent();
      //
              zip
            zipFilePath = directoryPath.toString() + File.separator +
fileNameWithoutExtension + ".zip";
        } catch (Exception e) {
            e.printStackTrace();
        }
        return zipFilePath;
```



```
}
    /**
     * @param sourceFilePath
    * @param zipFilePath
                                  zip
    * @param password
    */
   public void zipFile(String sourceFilePath, String zipFilePath, String
password, String excelName) {
        ZipParameters zipParameters = null;
        ZipFile zipFile
                                   = null;
        try {
            // ZipParameters
            zipParameters = new ZipParameters();
      //
            if (excelName != null) {
                zipParameters.setFileNameInZip(excelName);
            }
      //
            if (password == null) {
                zipFile = new ZipFile(zipFilePath);
            }
      //
                                           ZipFile
                                                     )
            else {
                // ZipParameters
                zipParameters.setEncryptFiles(true);
zipParameters.setEncryptionMethod(EncryptionMethod.ZIP STANDARD);
                // ZipFile
                zipFile = new ZipFile(zipFilePath, password.toCharArray());
            }
                                  가
            // zip
            zipFile.addFile(new File(sourceFilePath), zipParameters);
            zipFile.close();
        } catch (Exception e) {
            e.printStackTrace();
        }
   }
     * @param inputString = , =
    * @return
    */
   public Map<String, String> parseKeyValueString(String inputString) {
        String[] keyValuePairs
                                           = null;
```



```
Map<String, String> keyValueMap = null;
        String[] keyValue
                                            = null;
                                             = "";
        String key
                                           = "";
        String value
                                          = "";
        String pair
        int i
                                            = 0;
        try {
      //
            keyValueMap = new HashMap<>();
      //
            if (inputString.equals("")) { return keyValueMap; }
      //
            keyValuePairs = inputString.split(",");
      //
            for (i = 0; i < keyValuePairs.length; i++) {</pre>
                pair = keyValuePairs[i];
                keyValue = pair.split("=");
                if (keyValue.length == 2) {
                     key = keyValue[0];
                    value = keyValue[1];
                     keyValueMap.put(key, value);
                } else {
           //
                     logger.debug("Incorrect format of input: " + pair);
                }
            }
        } catch (Exception e) {
            e.printStackTrace();
        }
        return keyValueMap;
    }
}
```

Line	Description				
35				map	
43	zip				zip
46	zip4j				
49		zip			

CSV DRM class

csv DRM DRM

- 26/33 -



#### xframe5.js

```
xframe5.js ( doc > 98 )
```

#### web.xml

web.xml XDataFileUpload 가

```
<servlet>
    <servlet-name>XDataFileUpload</servlet-name>
    <servlet-class>xdatafile5.servlet.XDataFileUpload</servlet-class>
        <init-param>
            <param-name>DRM CLASS PATH</param-name>
            <param-
value>softbase.sample.XDataFileUploadDRMClassSample</param-value>
        </init-param>
        <init-param>
            <param-name>DEFAULT_CHARSET</param-name>
            <param-value>EUC-KR</param-value>
        </init-param>
</servlet>
<servlet-mapping>
    <servlet-name>XDataFileUpload</servlet-name>
    <url-pattern>/XDataFileUpload</url-pattern>
</servlet-mapping>
```

DEFAULT CHARSET BOM(Byte Order Mark)

BOM BOM , BOM

juniversalchardet

US-ASCII, UTF-8, EUC-KR

DEFAULT\_CHARSET ( : EUC-KR)

TEMP\_DIR 가

#### **DRM**

DRM XDataFileUploadDRMClassSample

가



```
import xdatafile5.util.XDataFileDrmInterface;
public class XDataFileUploadDRMClassSample implements XDataFileDrmInterface
{
   public XDataFileUploadDRMClassSample () {
   public boolean initialize() throws Exception {
        return true;
   }
   public String execute(String saveFileAbsolutePath) throws Exception {
        // saveFileAbsolutePath :
        String decFileAbsolutePath = saveFileAbsolutePath;
        try {
            // TODO: DRM
            // ##### END
            // DRM
      //
            decFileAbsolutePath = saveFileAbsolutePath;
        } catch (Exception e) {
            // TODO: handle exception
            e.printStackTrace();
            return saveFileAbsolutePath;
        }
        return decFileAbsolutePath;
   }
}
```

Line	Description	
3	XDataFileDrmInterface implements	
4	·	
11 ~ 27	public String execute(String saveFileAbsolutePath) DRM	
	saveFileAbsolutePath : xdatafile5 lib	PATH
29	decFileAbsolutePath : PAT	Ή .

가 가 가 XDataFileDrmInterfaceEx setexcelgridinfo API factory setexcelglobalinfo

API

readtxtex API . CSV readtxt

readcsvex API readcsv

```
30FTbase
```

```
function btn_readcsv_on_mouseup (objInst)
{
    //CSV     1
    grd.readcsves(1,1, "", false);
}
```

xdatafile5 log4j2.xml

xdatafile5.jar
commons-fileupload-1.2.1.jar
commons-io-1.4.jar
commons-logging-1.2.jar
juniversalchardet-2.4.0.jar

CSV DRM class

csv DRM DRM , DRM

#### xframe5.js

xframe5.js

```
XDATAFILE_DOWNLOAD_URL: '/XdatafileDownload',
GRID_CSVDOWNLOAD_METHODTYPE: 2,
```



#### GRID TXTDOWNLOAD METHODTYPE: 2,

#### web.xml

web.xml XDataFileUpload 가

TEMP\_DIR 가

#### DRM

DRM

XData File Download DRM Class Sample

```
import xdatafile5.util.XDataFileDrmInterface;

public class XDataFileDownloadDRMClassSample implements
cDataFileDrmEncryptInterface {
    public XDataFileDownloadDRMClassSample () {
    }

    public boolean initialize() throws Exception {
        return true;
    }

    public String execute(String saveFileAbsolutePath) throws Exception {
        // saveFileAbsolutePath :
        String encFileAbsolutePath = saveFileAbsolutePath;
        try {
            // TODO: DRM
```

xexcel5



```
// ##### END
            // DRM
      //
            encFileAbsolutePath = saveFileAbsolutePath;
        } catch (Exception e) {
            // TODO: handle exception
            e.printStackTrace();
            return saveFileAbsolutePath;
        }
        return encFileAbsolutePath;
    }
}
```

Line	Description			
3	XExcelDrmEncryptInterface imple	ements .		
4				
	public String execute(String saveFileAbsolutePath)			
11 ~ 26	DRM			
	saveFileAbsolutePath : xdatafile5 lib	PATH		
28	encFileAbsolutePath :	PATH		

가 가 가 XDataFileDrmEncryptInterfaceExfactory setexcelglobalinfo setexcelgridinfo API

API

savetxt savetxtex API . CSV

savecsv savecsvex API

```
function btn savecsv on mouseup(objInst)
   // csv
   grd.savecsv();
}
```

CSV 가 on filesave

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xFrame5 xexcel5 lib

가

web.xml XExcelDownload

가

<init-param> <param-value>

png

.xlsx

가 2 가





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