File Conversion

Summary

Web Service is used to convert 'doc, xls or ppt' files into 'pdf' files.

The files are converted via OpenOffice.

This function is included in the Egovframework common component element technology.

Description

① Check whether Doc files are converted into Pdf files (True/False)
② Check whether xls files are converted into Pdf files (True/False)
③ Check whether ppt files are converted into Pdf files (True/False)

OpenOffice running in servers via Jodconverter library which is an open source is used to convert files into PDF files.

After uploading the files to the designated server directory, the uploaded files are converted into PDF files.

The uploaded files are deleted, leaving only the PDF files in the directory.

Related Sources

Type	Corresponding Sources	Description	Remarks
Service	egovframework.com.utl.service.EgovPdfCnvr.java	An element technology class for file conversion	DOC, XLS, PPT ⇒ PDF file conversion
JSP	WEB_INF/jsp/egovframework/cmm/utl/EgovPdfCnvr.jsp	A test page	

Method

Output	Method	Description	Details
boolean	getPDF(String targetPdf, HttpServletRequest request, HttpServletResponse response)	Converting files	Returns to True or False, if file conversion is successfully executed or not

The directory that includes a string-type absolute path (ex. /user/com/test/file1.txt)

Input

- Original file: The directory that includes a string-type absolute path. Only XLS, PPT, DOC files are permitted (ex. /user/com/test/test.xls)
- Changed file: String-type; Insert only the file name excluding the absolute path and the extension (ex. testfile)
- Validation Check: Element technology validation check

Output

- Boolean-type true / false

Environmental Settings

With OpenOffice installed in the system, the service must be uploaded to a port in accordance with the environment specified below.

However, there are only Windows version, Solaris version and Linux version of OpenOffice. It is expected to extend to different OS types.
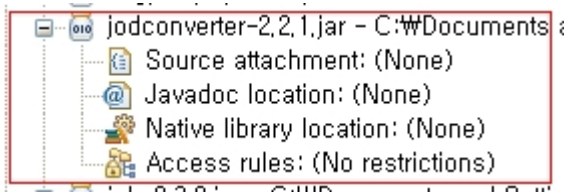
- UNIX Environment

$ unset DISPLAY
$ soffice - headless - accept="socket,host=127.0.0.1,port=8100;urp;" - nofirststartwizard

- Windows Environment

"C:\ Program Files\ OpenOffice.org 3\ program\ soffice.exe" - headless - accept=socket,port=8100;urp;

When compiling java, it shall be in reference to the relevant library.

Manual

For the "SocketOpenOfficeConnection(8100)" section, "port=8100" shall be connected which is designated in the environmental settings.

If the port is already being used, such port shall be changed in the environmental settings and the relevant connection port shall be designated accordingly.

```
import com.artofsolving.jodconverter.openoffice.converter.OpenOfficeDocumentConverter;
import com.artofsolving.jodconverter.openoffice.connection.SocketOpenOfficeConnection;
import com.artofsolving.jodconverter.DocumentConverter;

// connect to an OpenOffice.org instance running on port 8100
SocketOpenOfficeConnection connection = new SocketOpenOfficeConnection(8100);
connection.connect();
//designate a targetPdf name in the original directory
String valueFile = null;
valueFile   = inputFile.getParent().replace('\ \ ', FILE_SEPARATOR).replace('/', FILE_SEPARATOR);
File outputFile = new File(valueFile+"/"+targetPdf+".pdf");
// convert
DocumentConverter converter = new OpenOfficeDocumentConverter(connection);
converter.convert(inputFile, outputFile);
// close the connection
connection.disconnect();
```

References

N/A