import java.io.File;

import java.io.FileOutputStream;

import java.io.IOException;

import java.io.InputStream;

import java.net.HttpURLConnection;

import java.net.URL;

public class HttpDownloadUtility

{

private static final int BUFFER\_SIZE = 4096;

/\*\*

\* Downloads a file from a URL

\* @param fileURL HTTP URL of the file to be downloaded

\* @param saveDir path of the directory to save the file

\* @throws IOException

\*/

public static void downloadFile(String fileURL, String saveDir) throws IOException

{

URL url = new URL(fileURL);

HttpURLConnection httpConn = (HttpURLConnection) url.openConnection();

int responseCode = httpConn.getResponseCode();

// always check HTTP response code first

if (responseCode == HttpURLConnection.HTTP\_OK) {

String fileName = "";

String disposition = httpConn.getHeaderField("Content-Disposition");

String contentType = httpConn.getContentType();

int contentLength = httpConn.getContentLength();

if (disposition != null) {

// extracts file name from header field

int index = disposition.indexOf("filename=");

if (index > 0) {

fileName = disposition.substring(index + 10,

disposition.length() - 1);

}

} else {

// extracts file name from URL

fileName = fileURL.substring(fileURL.lastIndexOf("/") + 1,

fileURL.length());

}

System.out.println("Content-Type = " + contentType);

System.out.println("Content-Disposition = " + disposition);

System.out.println("Content-Length = " + contentLength);

System.out.println("fileName = " + fileName);

// opens input stream from the HTTP connection

InputStream inputStream = httpConn.getInputStream();

String saveFilePath = saveDir + File.separator + fileName;

// opens an output stream to save into file

FileOutputStream outputStream = new FileOutputStream(saveFilePath);

int bytesRead = -1;

byte[] buffer = new byte[BUFFER\_SIZE];

while ((bytesRead = inputStream.read(buffer)) != -1) {

outputStream.write(buffer, 0, bytesRead);

}

outputStream.close();

inputStream.close();

System.out.println("File downloaded");

}

else

{

System.out.println("No file to download. Server replied HTTP code: " + responseCode);

}

httpConn.disconnect();

}

}

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**- Cas d'utilisation**

Choix

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