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FileDownloader JAVA	4

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FileDownload

FileDownload HTTP

CORS with_credentials POST postdata_encode
with_credentials, postdata_encode가

API getfilepostdatavalue, setfilepostdatavalue, deleteallfile, clearallfilestatus, startdownload, stopdownload가

API getfilecount, getfilename, getfilesize, getfilebriefsize, getfiledate, getfiletime

API getfilestatus, getfileprogress, getfileresult, getfileresultmsg가

on_listupdate, on_fileprogress, on_filecomplete, on_downloadcomplete, on_fileadd, on_filedelete가

: /HTML5/COMPONENT/FILEDOWNLOADER/filedownloader_basic

- [filedownloader_basic.xml](#)
- [filedownloader_basic.js](#)
- [FileDownloader.java](#)
- [filedownloader_basic.css](#)

```
// "1. 가"
function btn_addfile_on_mouseup(objInst)
{
    var file_index;

    // 0. CORS with_credentials POST postdata_encode

    // 1. GET : HTTP URL 가
    this.downloader_basic.addfile("http://127.0.0.1:8080/xframe5/template/HTML5/COMPONENT/FILEDOWNLOADER/150MB_1.zip", "150MB_1.zip");
    this.downloader_basic.addfile("http://127.0.0.1:8080/xframe5/template/HTML5/
```

```
COMPONENT/FILEDOWNLOADER/150MB_2.zip", "150 가_2.zip");

// 2. GET      :                               URL  GET
//                               가
//                               xframe5
template/HTML5/COMPONENT/FILEDOWNLOADER/text.txt
this.downloader_basic.addfile("http://127.0.0.1:8080/xframe5/FileDownloader?
DownloadFilePath=template/HTML5/COMPONENT/FILEDOWNLOADER/text.txt", ".txt");

// 3. POST     :                               POST
//                               가
//                               xframe5
template/HTML5/COMPONENT/FILEDOWNLOADER/text.txt
this.downloader_basic.addfile("http://127.0.0.1:8080/xframe5/FileDownloader"
, "_POST.txt");
    file_index = this.downloader_basic.getfileindex("_POST.txt");
    this.downloader_basic.setfilepostdatavalue(file_index,
"DownloadFilePath", "template/HTML5/COMPONENT/FILEDOWNLOADER/text.txt");
}

// "
function btn_deleteallfile_on_mouseup(objInst)
{
    this.downloader_basic.deleteallfile();
}

// "
function btn_clearallfilestatus_on_mouseup(objInst)
{
    this.downloader_basic.clearallfilestatus();

    //
    this.UpdateFileStauts(-1);
}

// "
function btn_startdownload_on_mouseup(objInst)
{
    this.downloader_basic.startdownload();
}

//
function btn_stopdownload_on_mouseup(objInst)
{
    this.downloader_basic.stopdownload();
}

//
function UpdateFileStauts(nFileIndex) {
    var count, i;
```

```
if (nFileIndex == -1) {
    count = this.downloader_basic.getfilecount();
    for (i = 0; i < count; i++) {
        this.UpdateOneFileStauts(i);
    }
}
else {
    this.UpdateOneFileStauts(nFileIndex);
}
}

//
function ReloadFileStatus() {
    var nFileIndex, count;

    //
    this.grdList.deleteall();

    //          Loop
    count = this.downloader_basic.getfilecount();
    for(nFileIndex = 0; nFileIndex < count; nFileIndex++) {
        //      가
        this.grdList.additem(false, false);

        //
        this.grdList.setitemtextex(nFileIndex, 0,
this.downloader_basic.getfilename(nFileIndex), false);
        this.grdList.setitemtextex(nFileIndex, 1,
this.downloader_basic.getfilesize(nFileIndex), false);
        this.grdList.setitemtextex(nFileIndex, 2,
this.downloader_basic.getfilebriefsize(nFileIndex), false);
        this.grdList.setitemtextex(nFileIndex, 3,
this.downloader_basic.getfiledate(nFileIndex), false);
        this.grdList.setitemtextex(nFileIndex, 4,
this.downloader_basic.getfiletime(nFileIndex), false);

        //
        this.UpdateOneFileStauts(nFileIndex, false);
    }

    this.grdList.refresh();
}

//
function UpdateOneFileStauts(nFileIndex, bRefresh) {
    this.grdList.setitemtextex(nFileIndex, 5,
this.downloader_basic.getfilestatus(nFileIndex), bRefresh);
    this.grdList.setitemtextex(nFileIndex, 6,
this.downloader_basic.getfileprogress(nFileIndex), bRefresh);
    this.grdList.setitemtextex(nFileIndex, 7,
this.downloader_basic.getfileresult(nFileIndex), bRefresh);
    this.grdList.setitemtextex(nFileIndex, 8,
```

```
this.downloader_basic.getfileresultmsg(nFileIndex), bRefresh);
}

////////////////////////////////////
// EVENT
////////////////////////////////////

//
function downloader_basic_on_fileprogress(objInst, nFileIndex, strFileName,
nPos)
{
    this.grdList.setitemtext(nFileIndex, 1,
this.downloader_basic.getfilesize(nFileIndex));
    this.grdList.setitemtext(nFileIndex, 2,
this.downloader_basic.getfilebriefsize(nFileIndex));
    this.grdList.setitemtext(nFileIndex, 6, nPos);
}

//
function downloader_basic_on_filecomplete(objInst, nFileIndex, strFileName)
{
    this.grdList.setitemtext(nFileIndex, 3,
this.downloader_basic.getfiledate(nFileIndex));
    this.grdList.setitemtext(nFileIndex, 4,
this.downloader_basic.getfiletime(nFileIndex));

    this.UpdateOneFileStauts(nFileIndex);
}

function downloader_basic_on_listupdate(objInst)
{
    this.ReloadFileStatus();
}
```

FileDownloader JAVA

```
package xframe5.template.html5.component.filedownloader;

import java.io.File;
import java.io.FileInputStream;
import java.net.URLEncoder;
import java.text.SimpleDateFormat;
import java.util.Date;
import java.util.Locale;

import javax.servlet.ServletContext;
import javax.servlet.ServletOutputStream;
import javax.servlet.http.HttpServlet;
```

```
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

public class FileDownloader extends HttpServlet {
    private static final long serialVersionUID = 3347918932345852889L;

    public void logMsg(String msg) {
        System.out.println("FileDownloader> " + msg);
    }

    public void doGet(HttpServletRequest request, HttpServletResponse
response) {
        doPost(request, response);
    }

    public void doPost(HttpServletRequest request, HttpServletResponse
response) {
        FileInputStream        fis = null;
        ServletOutputStream    sos = null;

        logMsg("FileDownloader Start");

        try {
            String downloadFileAbsolutePath;

            String downloadFilePath =
request.getParameter("DownloadFilePath");

            logMsg("downloadFilePath = [" + downloadFilePath + "]");

            if (downloadFilePath.startsWith("/")) {
                downloadFileAbsolutePath = downloadFilePath;
            }
            else {
                ServletContext    context = request.getServletContext();
                String            contextAbsolutePath;

                // Root
                contextAbsolutePath = context.getRealPath("/");
                if(contextAbsolutePath.endsWith(File.separator) == false) {
                    contextAbsolutePath += File.separator;
                }

                downloadFileAbsolutePath = contextAbsolutePath +
downloadFilePath;
            }

            logMsg("downloadFileAbsolutePath = [" + downloadFileAbsolutePath
+ "]");

            // Set cross domain response header
```

```
response.setHeader("Access-Control-Allow-Credentials", "true");
response.setHeader("Access-Control-Allow-Headers", "X-Requested-
With");

    // a String containing the value of the requested header, or
null if the request does not have a header of that name
    String origin = request.getHeader("Origin");
    logMsg("origin = [" + origin + "]");

    if (origin == null) { response.setHeader("Access-Control-Allow-
Origin", "*"); }
    else { response.setHeader("Access-Control-Allow-Origin",
origin); }

    File file = new File(downloadFileAbsolutePath);
    long fileSize = file.length();

    logMsg("fileSize = [" + fileSize + "]");

    response.setHeader("Content-Length", String.valueOf(fileSize));

    long lastModified = file.lastModified();
    Date lastModifiedDate = new Date(lastModified);

    String pattern = "EEE, d MMM yyyy hh:mm:ss";
    SimpleDateFormat simpleDateFormat = new
SimpleDateFormat(pattern, new Locale("en"));

    logMsg("Last-Modified: " +
simpleDateFormat.format(lastModifiedDate));

    // response.setHeader("Last-Modified", "Tue, 21 May 2019
03:17:08 GMT");
    response.setHeader("Last-Modified",
simpleDateFormat.format(lastModifiedDate) + " GMT");

    sos = response.getOutputStream();

    byte[]    buffer = new byte[4096];
    int      numRead = -1;

    fis = new FileInputStream(new File(downloadFileAbsolutePath));
    while ((numRead = fis.read(buffer, 0, 4096)) != -1) {
        sos.write(buffer, 0, numRead);
    }

    fis.close();

    sos.flush();

    sos.close();
```



```
    }  
    catch (Exception e) {  
        if (fis != null) {  
            try { fis.close(); }  
            catch(Exception ignore) {}  
        }  
  
        if (sos != null) {  
            try { sos.close(); }  
            catch(Exception ignore) {}  
        }  
  
        response.setHeader("Content-Disposition", "");  
  
        logMsg (e.getMessage());  
        e.printStackTrace();  
    }  
}
```

From:
<https://technet.softbase.co.kr/wiki/> - xFrame5 TechNet

Permanent link:
https://technet.softbase.co.kr/wiki/guide/component/filedownloader/filedownloader_basic 

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