



파일 업로드

파일 업로드는 클라이언트가 서버로 파일을 전송하는 과정을 말한다.


jsp 또는 html 파일에서 `<form>` 요소의 `enctype` 속성을 `[multipart/form-data]`로 설정해야 한다. 이 설정은 폼 데이터가 멀티파트(form-data)로 전송됨을 나타낸다.

서버 측에서는 JSP 페이지나 서블릿을 통해 클라이언트의 파일 업로드 요청을 처리한다. 업로드된 파일을 저장할 디렉토리를 지정하고, 해당 디렉토리에 업로드된 파일을 저장할 수 있다.



파일 업로드 라이브러리

<http://www.servlets.com/> 에 접속

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October 6, 2021

What's New

JDOM 1.1.2 Released
I'm happy to announce the release of JDOM 1.1.2 today. It's a drop-in replacement for JDOM 1.1.1 with more than a dozen bugs fixed. 23 October 2011

JDOM 1.1.1 Released
We released JDOM 1.1.1 today. This release includes an important Namespace synchronization bug fix, a new SAXBuilder flag for faster parsing, an updated Jaxen library, new support for Unicode surrogate pairs, and support for the Android Dalvik VM. 26 July 2009

New COS Release
Today I released a new version of the COS library, best known for its MultipartRequest and MultipartParser file upload components. This release adds a few browser workarounds, a new exception subtype, and support for esoteric platforms. 26 December 2008

JDOM 1.1 Released
I just posted the JDOM 1.1 release for download. This release includes about 20 improvements and bug fixes. 19 November 2007

iPhone 1.0.2: Beware
Did Apple fire the QA department or something? 21 August 2007

What's on Jason's Hard Drive?
O'Reilly just posted a new article of mine titled [What's on Jason's Hard Drive?](#) It's all about document management. 3 November 2006

What else is new? >>>
To be notified when important content is added to the site, [subscribe here](#)

The Soapbox
Honest Opinions

Building Servlets.com, Part 1: Dreamweaver 4 Templates
By Jason Hunter
An introduction to Dreamweaver 4 templates.

The Problems with JSP
By Jason Hunter
A serious look at JSP's problems. A little self-exploring article that

Polling

Which XML object model do you use most? (Started Dec 10)
☐ DOM
☐ JDOM
☐ DOM4J
☐ XOM
☐ No XML object model
Comment?

| [Results](#) | [Other Polls](#) |
Votes: **151426** | Comments: **143748**

Servlet Resources
Useful URLs

Your source for the best servlet and JSP-related content on the web:

- The most helpful [servlet mailing lists](#) (with [searchable archives](#))
- The best [servlet articles](#)
- The best [servlet documentation](#)
- A list of all [servers and plug-ins](#) supporting servlets
- A list of all [ISPs](#) supporting servlets (including user reviews!)
- The most useful [servlet tools](#)

Direct Links
Specs and RFCs

Direct links to Servlet/JSP Specifications and RFCs:

- Servlet Specs: [2.1](#), [2.2](#), [2.3](#)
- Servlet Deltas: [2.0->2.1](#), [2.1->2.2](#), [2.2->2.3](#)
- JSP Specs: [1.0](#), [1.1](#), [1.2](#)
- HTTP RFCs: [1.0](#), [1.1](#)
- File Upload RFCs: [1867](#), [2388](#)
- HTML Specs: [3.2](#), [4.0](#)



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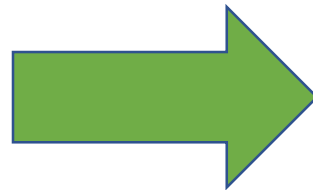
October 6, 2021

What's New

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I'm happy to announce the release of JDOM 1.1.2 today as a drop-in replacement for JDOM 1.1.1 with more than a dozen bug fixes. 23 October 2011

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[New COS Release](#)
Today I released a new version of the COS library, best known for its `MultipartRequest` and `MultipartParser` file upload classes.



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There's no sense in reinventing the wheel--he famous is the file upload package `MultipartRequest`.

[View the Readme](#)
[View the License](#)
[View the FAQ](#)

View class documentation

Class Index

- class [Base64Decoder](#)
- class [Base64Encoder](#)



파일 업로드 라이브러리

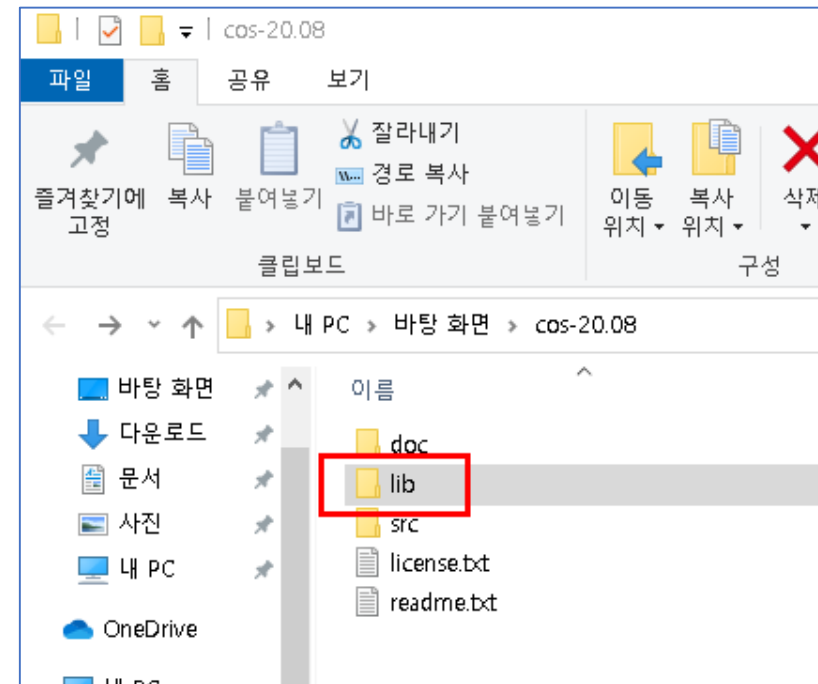
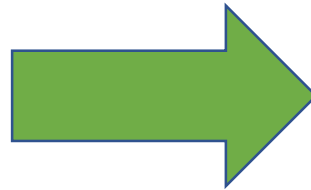
Download

This is a .zip readable by "jar", newer releases are at the top.
To be notified when new versions release, [subscribe here](#).
Be sure to check out the [FAQ](#) and [Javadocs](#) below.

Version	Comments
	File upload improvements:
cos-20.08.zip	<ul style="list-style-type: none">• Added support for Servlets 2.4 and Java 5.• Added an ExceededSizeException type to make catching easier.• Added support for EBCDIC machines.• Added a workaround for browsers that send Content-Length of -1.• Added a workaround for Opera missing parameter names.



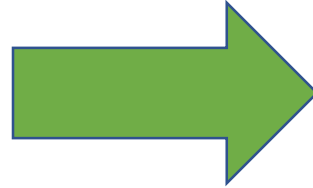
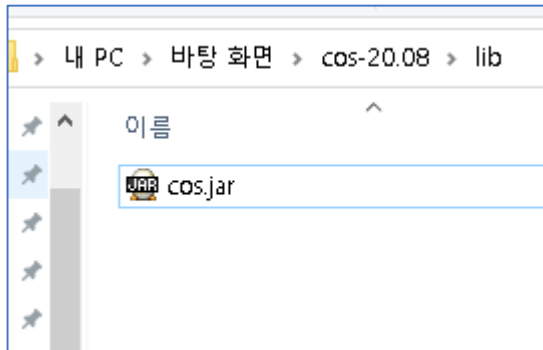
파일 업로드 라이브러리



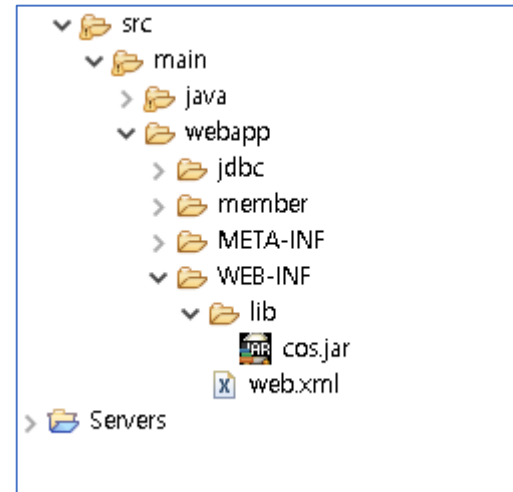


파일 업로드 라이브러리

cos.jar 파일 복사



cos.jar 파일 붙여넣기





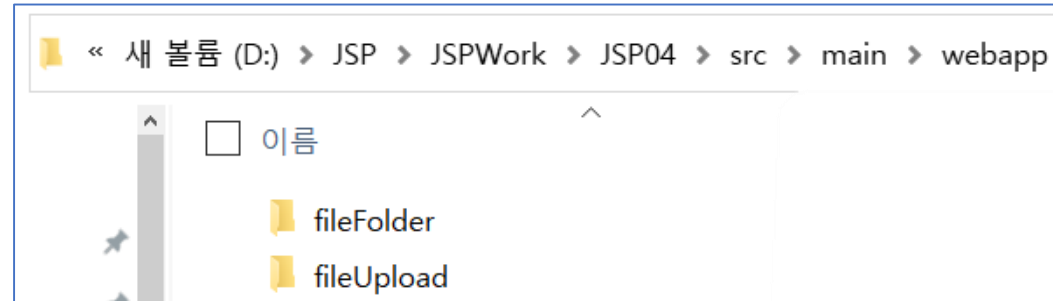
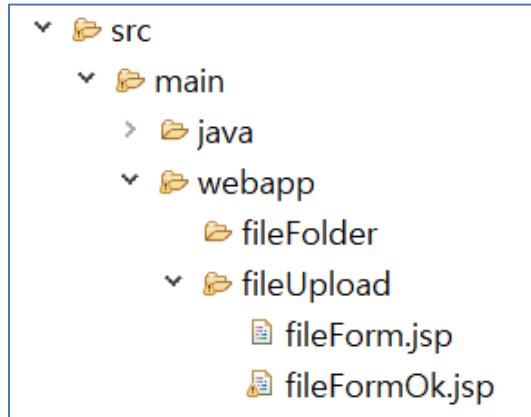
파일 업로드

```
<form action="fileFormOk.jsp" method="post" enctype="multipart/form-data">
    파일 : <input type="file" name="file"><br /><br />
    <input type="submit" value="파일 업로드!">
</form>
```

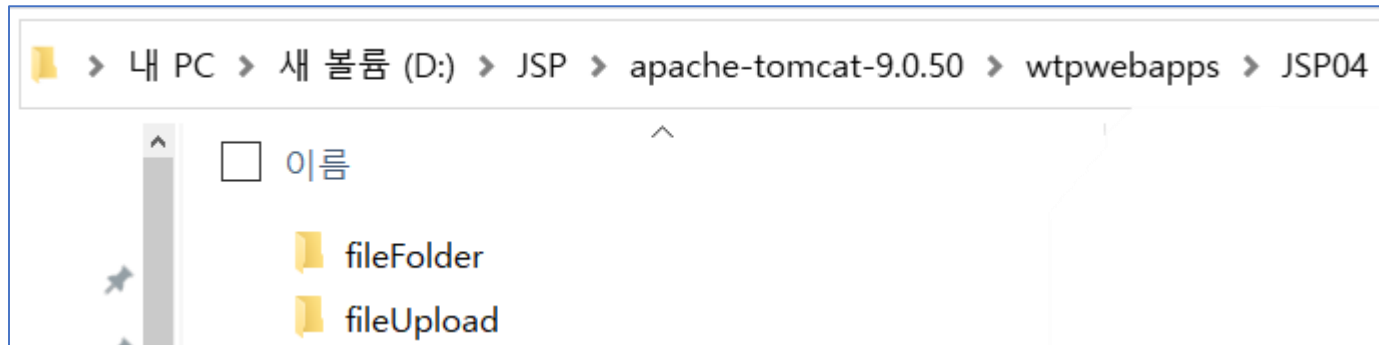
```
<%
    String path = application.getRealPath("/fileFolder");
    int size = 1024 * 1024 * 10;
    try{
        MultipartRequest multi =
            new MultipartRequest(request, path, size, "UTF-8", new DefaultFileRenamePolicy());
    } catch (Exception e) {
        e.printStackTrace();
    }
%>
file upload success!
```



파일 업로드 실제 경로



업로드 파일
저장폴더 생성



실제 업로드 파일 경로



Apache Commons FileUpload


JSP에서 파일 업로드를 처리하기 위해서는 다양한 방법이 있지만, 대표적으로 Apache Commons FileUpload 라이브러리를 사용할 수 있다.

"cos"는 Apache Commons FileUpload의 이전 버전인 "cos" (Com.oreilly.servlet) 라이브러리의 일부이다. 이 라이브러리는 예전에 많이 사용되었지만, 현재는 Apache Commons FileUpload가 더 널리 사용되고 있다.

<http://jakarta.apache.org> 에 접속



Apache Commons FileUpload

**The Apache Jakarta Project**
<http://jakarta.apache.org/>

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Ex-Jakarta

- [Ant](#)
- [Avalon](#)
- [BCEL](#)
- [BSF](#)
- [Commons](#)**
- [DB](#)
- [Excalibur](#)
- [Gump](#)
- [HiveMind](#)
- [HttpComponents](#)
- [James](#)
- [JCS](#)
- [JMeter](#)
- [Logging](#)
- [Lucene](#)
- [Maven](#)
- [POI](#)
- [Portals](#)
- [Struts](#)
- [Taglibs](#)
- [Tapestry](#)
- [Tomcat](#)
- [Turbine](#)
- [Velocity](#)
- [Watchdog](#)

Welcome to The Apache Jakarta™ Project

Founded in 1999, the Jakarta Project housed a diverse set of popular open source Java solutions. This process has continued to this day, all subprojects have now left the Jakarta Project.

News

Latest Jakarta News

- 21 December 2011 - **Jakarta Retired**
- 26 October 2011 - **JMeter becomes a top level project**
- 03 October 2011 - **Apache JMeter 2.5.1 Released**
- 11 September 2011 - **BSF moves to Apache Commons**
- 17 August 2011 - **Apache JMeter 2.5 Released**
- 05 August 2011 - **Cactus moves to Apache Attic**
- 25 June 2011 - **JCS moves to Apache Commons**
- 25 June 2011 - **BCEL moves to Apache Commons**
- 17 April 2011 - **Regexp is retired**
- 01 September 2010 - **ORO is retired**
- 01 September 2010 - **ECS is retired**
- 14 July 2010 - **Apache JMeter 2.4 Released**
- 24 June 2010 - **Jakarta BSF 3.1 Released**
- 09 October 2009 - **Jakarta BSF 3.0 Released**
- 04 October 2009 - **Taglibs is retired**
- 21 June 2009 - **Apache JMeter 2.3.4 Released**
- 24 May 2009 - **Apache JMeter 2.3.3 Released**
- 05 April 2009 - **Jakarta BSF 3.0-beta3 Released**
- 26 January 2009 - **Apache Cactus 1.8.1 Released**
- 14 June 2008 - **Apache JMeter 2.3.2 Released**



Configuration	Reading of configuration/preferences files in various formats.
Crypto	A cryptographic library optimized with AES-NI wrapping Openssl or JCE algorithm implementations.
CSV	Component for reading and writing comma separated value files.
Daemon	Alternative invocation mechanism for unix-daemon-like java code.
DBCP	Database connection pooling services.
DbUtils	JDBC helper library.
Digester	XML-to-Java-object mapping utility.
Email	Library for sending e-mail from Java.
Exec	API for dealing with external process execution and environment management in Java.
FileUpload	File upload capability for your servlets and web applications.
Functor	A functor is a function that can be manipulated as an object, or an object representing a single, generic function.
Geometry	Space and coordinates.
Imaging (previously called Sanselan)	A pure-Java image library.
IO	Collection of I/O utilities.
JCI	Java Compiler Interface
JCS	Java Caching System
Jelly	XML based scripting and processing engine.



Apache Commons FileUpload

Downloading

Full Releases

FileUpload 1.4 - 23 December 2018

- Download the binary and source distributions from a mirror site [here](#)

FileUpload 1.3.3 - 13 June 2017

- Download the binary and source distributions from a mirror site [here](#)

FileUpload 1.3.2 - 26 May 2016

- Download the binary and source distributions from the archive site [here](#)

FileUpload 1.3.1 - 7 February 2014

- Download the binary and source distributions from the archive site [here](#)



Apache Commons FileUpload 1.5 (requires Java 1.6 or later)

Binaries

[commons-fileupload-1.5-bin.tar.gz](#)

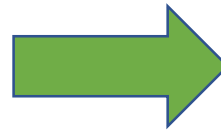
[commons-fileupload-1.5-bin.zip](#)

Source



Apache Commons FileUpload

Email	Library for sending e-mail from Java.
Exec	API for dealing with external process execution and environment management.
FileUpload	File upload capability for your servlets and web applications.
Functor	A functor is a function that can be manipulated as an object, or an object representing a function.
Geometry	Space and coordinates.
Imaging (previously called Sanselan)	A pure-Java image library.
IO	Collection of I/O utilities.
JCI	Java Compiler Interface
JCS	Java Caching System
Jelly	XML based scripting and processing engine.
Jexl	Expression language which extends the Expression Language of the JSTL.
JXPath	Utilities for manipulating Java Beans using the XPath syntax.



Releases

Commons IO 2.13.0 (requires Java 8)

Commons IO 2.13.0 requires a minimum of Java 8 - [Download now!](#)

View the [Release Notes](#) and [Javadoc API documents](#)

Commons IO 2.12.0 (requires Java 8)

Commons IO 2.12.0 requires a minimum of Java 8 - [Download now!](#)

View the [Release Notes](#) and [Javadoc API documents](#)

Commons IO 2.11.0 (requires Java 8)

Commons IO 2.11.0 requires a minimum of Java 8 - [Download now!](#)



Apache Commons IO 2.13.0 (requires Java 8)

Binaries

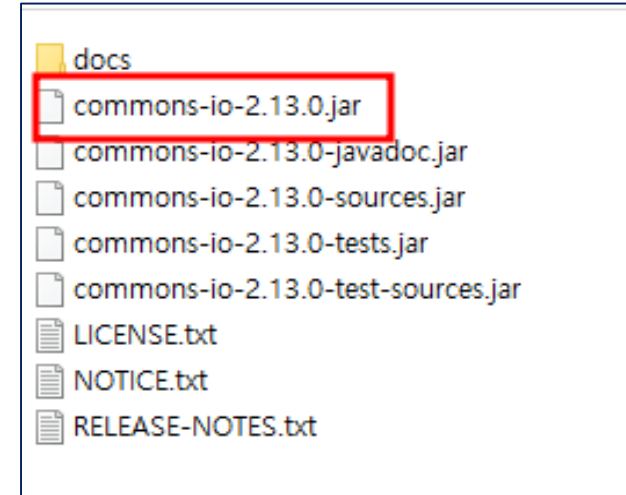
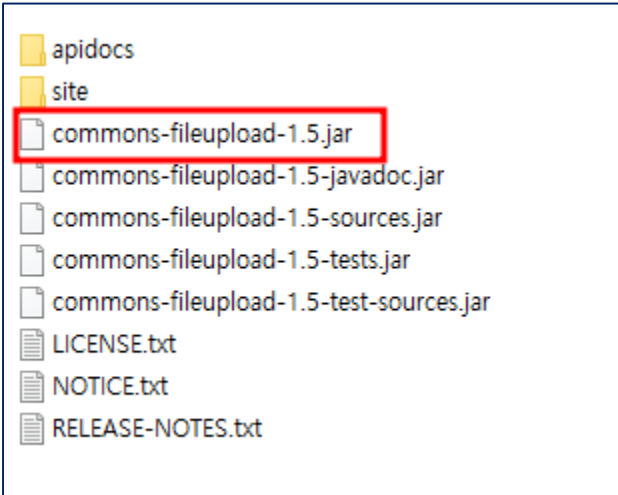
[commons-io-2.13.0-bin.tar.gz](#)

[commons-io-2.13.0-bin.zip](#)

Source



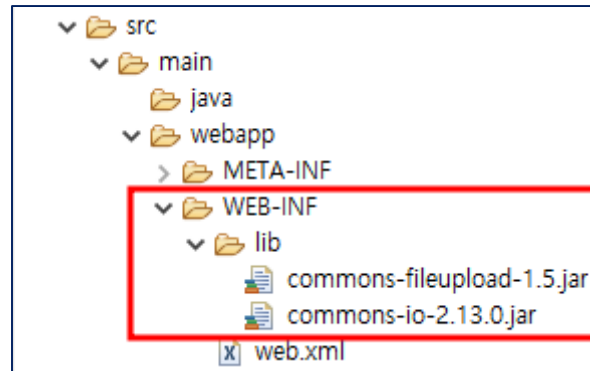
Apache Commons FileUpload





Apache Commons FileUpload

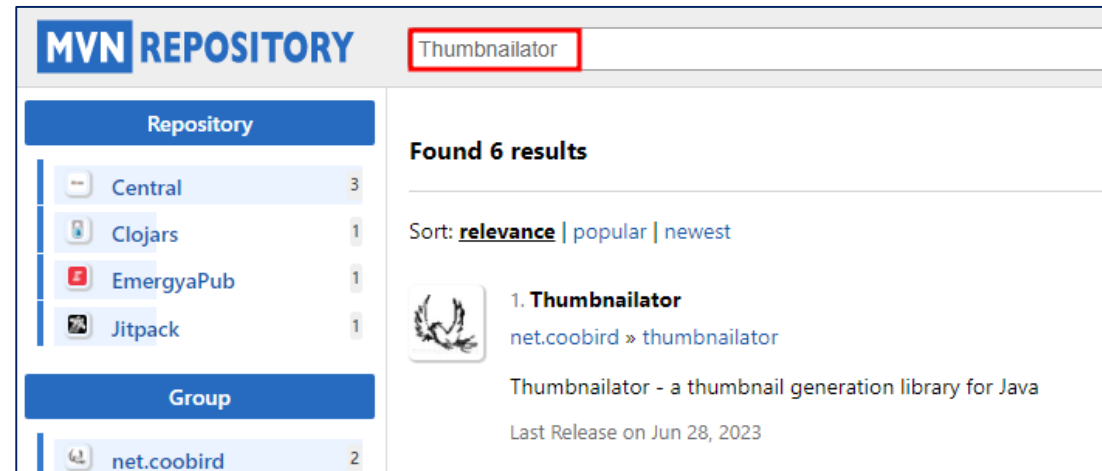
프로젝트의 **src → main → webapp → WEB-INF → lib**
폴더에 두 jar 파일을 넣어준다.



썸네일 이미지

JSP(JavaServer Pages)에서 썸네일 이미지를 생성하는 방법은 다양한 방법으로 구현할 수 있다. 일반적으로 이미지 처리 라이브러리를 사용하여 썸네일을 생성하는 방법이 일반적이다. 이미지 처리를 위한 라이브러리를 프로젝트에 추가해야 한다.

<https://mvnrepository.com/> 에 접속



썸네일 이미지

MVN REPOSITORY

Thumbnailator

Repository

Central3

Clojars1

EmergyaPub1


Jitpack1

Group

net.coobird2

Found 6 results


Sort: **relevance** | popular | newest



Thumbnailator
net.coobird » thumbnailator

Thumbnailator - a thumbnail generation library for
Last Release on Jun 28, 2023



 **Thumbnailator**
Thumbnailator - a thumbnail generation library for Java

License

MIT

Ranking

#1734 in MvnRepository (See Top Artifacts)

Used By

257 artifacts

Central (20)

Jahia (1)

ICM (1)

Version

0.4.20

0.4.19


0.4.18

0.4.17

0.4.16

썸네일 이미지

프로젝트의 `src → main → webapp → WEB-INF → lib`
폴더에 jar 파일을 넣어준다.

 **Thumbnailator » 0.4.20**
Thumbnailator - a thumbnail generation library for Java

License	MIT
HomePage	https://github.com/coobird/thumbnailator
Date	Jun 28, 2023
Files	pom (9 KB) jar (116 KB) View All
Repositories	Central
Ranking	#1734 in MvnRepository (See Top Artifacts)
Used By	257 artifacts

