

# Apache-Commons 包作用说明

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原文链接: <https://ld246.com/article/1512042179851>

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## Apache-Commons包作用说明

欢迎来到Apache Commons

Apache Commons是一个专注于可重用Java组件的各个方面的Apache项目。

Apache Commons项目由三部分组成:

Commons Proper - 可重用Java组件的存储库。

Commons Sandbox - Java组件开发的工作区。

Commons Dormant (公共休眠) - 当前处于非活动状态的组件的存储库。

您也可以阅读我们的章程, 详细说明项目的目标。

可重用Java组件的存储库如下

### Components

[BCEL](#)  
文件

[BeanUtils](#)  
a reflection and introspection APIs.

[BSF](#)  
ripting languages, including JSR-223

[Chain](#)  
ntion.

[CLI](#)

[Codec](#)  
(for example phonetic, base64, URL).

[Collections](#)  
ctions Framework.

[Compress](#)  
zip and bzip2 files.

[Configuration](#)  
ences files in various formats.

[Crypto](#)  
AES-NI wrapping Openssl or JCE algorithm implementations.

[CSV](#)  
a separated value files.

[Daemon](#)  
unix-daemon-like java code.

[DBCP](#)

[DbUtils](#)

[Digester](#)

[Email](#)

[Exec](#)  
ution and environment management in Java.

### Description

字节代码工程库 - 分析, 创建和操作Java

Easy-to-use wrappers around the Ja

Bean Scripting Framework - interface to s

Chain of Responsibility pattern implem

命令行参数解析器。

General encoding/decoding algorithms

Extends or augments the Java Coll

Defines an API for working with tar,

Reading of configuration/prefe

A cryptographic library optimized with

Component for reading and writing com

Alternative invocation mechanism for

Database connection pooling services.

JDBC helper library.

XML-to-Java-object mapping utility.

Library for sending e-mail from Java.

API for dealing with external process exe

<a href="#">FileUpload</a>	File upload capability for your servi
ts and web applications.	
<a href="#">Imaging (previously called Sanselan)</a>	A pure-J
va image library.	
<a href="#">IO</a>	Collection of I/O utilities.
<a href="#">JCI</a>	Java Compiler Interface
<a href="#">JCS</a>	Java Caching System
<a href="#">Jelly</a>	XML based scripting and processing engi
e.	
<a href="#">Jexl</a>	Expression language which extends the E
pression Language of the JSTL.	
<a href="#">XPath</a>	Utilities for manipulating Java Beans us
ng the XPath syntax.	
<a href="#">Lang</a>	Provides extra functionality for classes in
ava.lang.	
<a href="#">Logging</a>	Wrapper around a variety of logging
API implementations.	
<a href="#">Math</a>	Lightweight, self-contained mathematics
and statistics components.	
<a href="#">Net</a>	Collection of network utilities and protoco
implementations.	
<a href="#">Numbers</a>	Number types (complex, quaternion,
fraction) and utilities (arrays, combinatorics).	
<a href="#">OGNL</a>	An Object-Graph Navigation Language
<a href="#">Pool</a>	Generic object pooling component.
<a href="#">Proxy</a>	Library for creating dynamic proxies.
<a href="#">RDF</a>	Common implementation of RDF 1.1 that
could be implemented by systems on the JVM.	
<a href="#">RNG</a>	Implementations of random numbers ge
erators.	
<a href="#">SCXML</a>	An implementation of the State Chart
ML specification aimed at creating and maintaining a Java SCXML engine. It is capable of exe	
cuting a state machine defined using a SCXML document, and abstracts out the environment i	
nterfaces.	
<a href="#">Text</a>	Apache Commons Text is a library focus
d on algorithms working on strings.	
<a href="#">Validator</a>	Framework to define validators and
alidation rules in an xml file.	
<a href="#">VFS</a>	Virtual File System component for treatin
files, FTP, SMB, ZIP and such like as a single logical file system.	
<a href="#">Weaver</a>	Provides an easy way to enhance (we
ve) compiled bytecode.	