

# VFS

## VFS - Virtual File System

Apache Commons VFS provides a single API for accessing various different file systems. It presents a uniform view of the files from various different sources, such as the files on local disk, on an HTTP server, or inside a Zip archive.

Its homepage is located at: <https://commons.apache.org/proper/commons-vfs/>.

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## Troubleshooting

What to do if access to a filesystem fails.

- **VfsProblems**
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## Usage and Solutions

- **VfsExampleShell** - command line (classpath) samples
  - **VfsCacheStrategy**
  - **VfsFaq** - lets start a FAQ
  - **VfsCapabilitiesMatrix** - Capabilities of file system providers
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## Future and Contributions

Stuff we will see in (one of) the next release(s):

- **VfsNext** - ideas, todos, open issues (needs cleanup)
  - **VfsReleaseState** - roadmap for next release
  - **VfsTestServers** - how to integration test with external servers
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## Articles

- [Extend the JDK Classes with Jakarta Commons, Part III](#) - Explore Jakarta Commons components that enable you to parse arguments in a command-line application, connect to various file systems at the same time, allow an application to uniformly access configurations loaded from various sources, and pool any object.
  - [Scripting VFS - JavaScript](#) scripting examples using Commons VFS
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## Related Projects

- [VFS JFileChooser](#) - A Java Swing component which browses local or remote locations using VFS
  - [Dctm VFS](#) - Provides a plugin for Commons VFS that allows you to access EMC Documentum as a filesystem.
  - [VFS FTPServer](#) - provides a Commons VFS implementation for the Apache FTPServer project
  - [GaeVFS](#) - GaeVFS is an Apache Commons VFS plug-in that implements a distributed, writeable virtual file system for Google App Engine (GAE) for Java.
  - [Commons VFS UI](#) - Commons VFS UI is a gui application for the Commons VFS.
  - [VFS-S3](#) - Amazon S3 plugin for VFS (Apache Commons Virtual File System). VFS-S3 allows you to operate Amazon S3 buckets and files using Commons VFS. Original version from <http://code.google.com/p/vfs-s3/> was outdated and is not supported anymore - [proof](#)
  - [Commons VFS Grid](#) - Commons VFS Grid is a collection of file system providers for Commons VFS, which provide SRB, GridFTP and other Grid file systems.
  - [Loopy](#) - Loopy is ISO9660 file system (i.e. .iso files) plug-in for Apache Commons VFS.
  - [VFS-utils](#) - This project provides some utilities for working with the Apache Commons VFS libraries. It provides a bridge to the Apache Mina FTP Server and a Java shell / console providing a command line interface to VFS operations.
  - [Ant Commander](#) - Ant Commander is a free file manager written in Java/Swing and is based on Apache Ant and Apache Commons-vfs. Ant Commander includes Commons-vfs and the libraries needed for the different file systems.
  - [VFSLib Java Library](#) - Commons VFS providers for Dropbox, Google Drive, and Amazon S3 cloud file systems first published in 2013.
  - [seeburger-vfs2](#) - VFS providers for database blobs and layered git-trees.
  - [vfs-azure](#) - VFS provider for Microsoft Azure Blob Storage by Kervin Pierre.
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