

# VfsFaq

## VFS - Frequently asked questions

### Is there a tutorial for VFS?

todo: Add link(s) here to tutorials and example code.

[VfsCookbook](#) - a cookbook has been started

### How can I enter ftp passive mode?

```
FileSystemOptions opts = new FileSystemOptions();
FtpFileSystemConfigBuilder.getInstance().setPassiveMode(opts, true);
FileObject fo = VFS.getManager().resolveFile("ftp://host/path_to/file.txt", opts);
```

### How do I use the org.apache.commons.vfs.FileSelector or org.apache.commons.vfs.FileFilter?

The [FileFilter](#) can be used to mimic the java.io.FileFilter interface.

```
FileFilter ff = new FileFilter()
{
    public boolean accept(FileSelectInfo fileInfo)
    {
        FileObject fo = fileInfo.getFile();
        return fo.getName().getBaseName().startsWith("ABC-");
    }
};
VFS.getManager().resolveFile("/base/folder").findFiles(new FileFilterSelector(ff));
```

You should consider using the more VFS native org.apache.commons.vfs.FileSelector interface as this allows you to automatically traverse recursive.

Available [FileSelectors](#):

- [AllFileSelector](#) - select all files
- [FileDepthSelector](#) - select files at a given depth range
- [FileTypeSelector](#) - select files by type (file, folder)

So the following will be the same as above, but will scan the whole tree starting at the base folder.

```
FileSelector ff = new FileSelector()
{
    public boolean includeFile(FileSelectInfo fileInfo) throws Exception
    {
        FileObject fo = fileInfo.getFile();
        return fo.getName().getBaseName().startsWith("ABC-");
    }

    public boolean traverseDescendents(FileSelectInfo fileInfo) throws Exception
    {
        return true;
    }
};
VFS.getManager().resolveFile("/base/folder").findFiles(ff);
```

### How do I keep an SFTP connection from hanging?

If your program is transferring files, but not exiting afterward, this is actually an issue with properly closing down the connection when you are done. If you acquired a `FileSystemManager` with

```
private FileSystemManager fsManager = VFS.getManager();
```

the `getManager()` method probably returned a [StandardFileSystemManager](#) which extends the `DefaultFileSystemManager` class and implements the `FileSystemManager` interface.

What you are probably after is the `close()` method of the `DefaultFileSystemManager` to clean up any temporary files and close all providers. Cast the `FileSystemManager` to a `DefaultFileSystemManager` access the `close()` method like this:

```
((DefaultFileSystemManager) fsManager).close();
```

## How can I connect to an SFTP server even if there is no entry in `known_hosts`?

JSch, the library that provides VFS with SFTP functionality, checks that the host one tries connecting to is a known host, i.e. has an entry in the file `$HOME/.ssh/known_hosts`. By default, connections to unknown hosts are rejected by throwing an exception. You can change this behaviour by specifying the strict host key checking option:

```
FileSystemOptions opts = new FileSystemOptions();
SftpFileSystemConfigBuilder.getInstance().setStrictHostKeyChecking(opts, "no");
FileSystemManager fsManager = VFS.getManager();
FileObject foo = fsManager.resolveFile("sftp://login:password@host/foo.bar", opts);

// Do some stuff

foo.close();
((DefaultFileSystemManager) fsManager).close();
```