

# cfdirectory

## Description

Handles interactions with directories.

## Category

Other

## Implemented

## Usage Syntax

```
[action="String"]  
[listinfo="String"]  
[acl="String"]  
[storage="String"]  
[type="String"]  
[serverpassword="String"]  
directory="String"  
[name="String"]  
[filter="String or Custom Function"]  
[mode="String"]  
[sort="String"]  
[newDirectory="String"]  
[recurse="Boolean"]  
/>
```

*[] = Optional attribute*

## Attributes

Name	Type	Required	Default	Description
action	String	No		Defines the action to be taken with directory(ies) specified in directory.

## Contents

- [cfdirectory](#)
- [Description](#)
- [Category](#)
- [Implemented](#)
- [Usage Syntax](#)
- [Attributes](#)
- [Example Usage](#)
  
- [Using a custom function in a](#)

listinfo	String	No	Used when action="list". Possible values: "name", "all". By default, cfdirectory returns the columns "name, size, type, dateLastModified, attributes, mode, directory". With the "listinfo" argument set to "name", only the "name" column is returned.
acl	String	No	only used for S3 Resources
storage	String	No	only used for S3 Resources
type	String	No	Can be set to "file", "dir", or "all". This determines which type(s) are returned: only files, only directories, or both (= default).
serverpassword	String	No	allow you to access filesystem, also when access is denied for your context
directory	String	Yes	The name of the directory to perform the action against.
name	String	No	Required for action = "list". Ignored by all other actions. Name of output query for directory listing.
filter	String or Custom Function	No	Optional for action = "list". Ignored by all other actions. File extension filter applied to returned names. For example: "*.gif" or "*user*.txt". Multiple mask filters can be applied by delimiting them with a pipe character, like this: "*.gif *.jpg *.png". You can also use your own custom function as the filter. The function must return a boolean value True or False, indicating whether the given file/directory path should be added to the directory listing. See the example code underneath.
mode	String	No	Used with action = "Create" to define the permissions for a directory on UNIX and Linux platforms. Ignored on Windows. Options correspond to the octal values of the UNIX chmod command. From left to right, permissions are assigned for owner, group, and other.

sort	String	No	Optional for action = "list". Ignored by all other actions. The query columns by which to sort the directory listing. Any combination of columns from query output can be specified in comma-separated list. You can specify ASC (ascending) or DESC (descending) as qualifiers for column names. ASC is the default
newDirectory	String	No	Required for action = "rename". Ignored by all other actions. The new name of the directory specified in the directory attribute.
recurse	Boolean	No	Whether ColdFusion performs the action on subdirectories

## Example Usage

### Using a custom function in a

```

action="list" directory="/test/" recurse="true" name="qFiles" filter="#theFilter#" />
var="#qFiles#" />

name="thefilter" returntype="boolean">
  name="fullpath" type="string" />
  <--- disallow a certain directory --->
  refindNoCase("[/\\]DisallowedDirectory[/\\]", arguments.fullPath)>
  false />
  <--- allow certain extensions --->
  refindNoCase("\.(cfm|cfc|txt)$", arguments.fullPath)>
  true />

  false />

```