Copy a Directory Using CFZIP

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I needed to copy a directory and all of files within it today. My first thought was that I should be able to do this in cfdirectory, but no luck there. I then hoped I could cheat and use cffile to copy a directory as though it were a file, but no luck there either. I knew that I could write some recursive code to copy the cirectory and all of its contents, but I felt there should be an easier way.

As an aside, **Joe Rinehart** wrote a really good **directoryCopy()** UDF that would have solved my problem if only I had thought to look. The lesson is to always check cflib.org when trying to solve a common problem.

Anyway, I did think of a way to solve the problem without recursion by using cfzip:

Here is an implementation of directoryCopy (minus the "overwrite" argument), using cfzip:

```
<cffunction name="directoryCopy" output="false">
<cfargument name="source" required="true" type="string">
<cfargument name="destination" required="true" type="string">

<cfset var uid = CreateUUID()>

<cfzip
action="zip"
file="#GetTempDirectory()##uid#.zip"
recurse="yes"
source="#arguments.source#"
storePath="yes"
/>
<cfdirectory action="create" directory="#arguments.destination#">
<cfzip
action="unzip"
file="#GetTempDirectory()##uid#.zip"
destination="#arguments.destination#"
storePath="yes"
/>
<cffile action="delete" file="#GetTempDirectory()##uid#.zip">
</cffunction>
```

Now that I have done this, I can't think of any advantage this has over Joe's function, but it was a fun experiment.

Update

Here are some brief speed tests in response to Nate's query:

Test	subfolders	files	size	recursive cffile (milliseconds)	cfzip (milliseconds)
Test 1	0	2	41.4K	16	16
Test 2	2	56	117K	375	94
Test 3	38	197	1.74M	235	2328
Test 4	2	56	117K	62	110

Test 5	38	197	1.74M	219	407
Test 6	115	1037	3.37M	1843	3672
Test 7	115	1037	3.37M	1046	1781