

Intermittent Thread Issue

Posted At : February 12, 2013 9:18 AM | Posted By : William Eatman

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Update 02/23/2013 - Possible bug with server monitor.

This is now an open unverified bug with the server monitor.

Bug ID: 3498550

Just be aware that threads can behave unexpectedly when all server monitoring is turned on.

I ran into a cfthread issue last weekend, and maybe someone can tell me what is going on. The code listed below usually produces the following output:

```
t1037A344-5056-9852-3BF604C3F789A07E1
t1037A344-5056-9852-3BF604C3F789A07E2
t1037A344-5056-9852-3BF604C3F789A07E3
t1037A344-5056-9852-3BF604C3F789A07E4
```

struct

HELLO Hello World!

Intermittently I will get the following output:

```
tE65ACFC2-5056-9852-3BC66FCFAEE291C51
tE65ACFC2-5056-9852-3BC66FCFAEE291C52
tE65ACFC2-5056-9852-3BC66FCFAEE291C53
tE65ACFC2-5056-9852-3BC66FCFAEE291C54
[empty string]
```

In the application.log, I get an error "tE65ACFC2-5056-9852-3BC66FCFAEE291C51: null"

I have only been able to recreate the problem with the server monitor turned on. I'm wondering if there is a problem with my code.

```
<!---
Tested with the following
CF Version: 9,0,1,274733
Update Level: hf901-00008.jar --->

<cfset threads = arrayNew(1)>
<cfset threadPrefix = createUUID(>

<cffunction name="addThreadName" returntype="string" access="private" output="false">
  <cfset var threadName = "t" & variables.threadPrefix & (arrayLen(variables.threads) + 1)>

  <cfset arrayAppend(variables.threads, threadName)>
  <cfreturn threadName>
</cffunction>

<cfset variables.mystruct = "">

<cfthread name="#addThreadName()"#" action="run">
```

```
<cfthread action="sleep" duration="100" />
<cfset variables.mystruct = structNew()>
<cfset variables.mystruct.hello = "Hello World!">
</cfthread>

<cfthread name="#addThreadName()" action="run">
</cfthread>

<cfthread name="#addThreadName()" action="run">
</cfthread>

<cfthread name="#addThreadName()" action="run">
</cfthread>

<cfloop array="#variables.threads#" index="i">
  <cfoutput>#i#</cfoutput><br />
  <cfthread action="join" name="#trim(i)" timeout="2000" / >
</cfloop>

<cfdump var="#mystruct#" >
```