

Utility Function: ArrayElementIsDefined()

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The other day I was trying to be clever and use a multi dimensional array as a kind of look up table for cached results based on two values. For example:

```
<cfset array = ArrayNew(2) />

<cfif NOT (ArrayIsDefined(array, x) AND NOT ArrayIsDefined(array[x], y))>
<cfset array[x][y] = someFunction(x, y) />
</cfif>

<cfset result = array[x][y] />
```

And what did I discover? The system borks and throws an error... apparently even though ArrayIsDefined() is supposed to tell you if values exist in an array, it can't do that until at least 1 value has entered the array.

While I could have just done something like set array[1][1] = 0, it wouldn't have been quite right (what if x and y are 1 for real?), and it didn't sit right with me that ArrayIsDefined() didn't work in this situation. Here is my stand in for ArrayIsDefined().

```
<cffunction name="ArrayElementIsDefined" output="false" returntype="boolean">
  <cfargument name="array" type="array" required="true" />
  <cfargument name="index" type="numeric" required="true" />

  <cfset var returnValue = false />

  <cftry>
    <cfset returnValue = ArrayIsDefined(arguments.array, arguments.index) />

    <cfcatch type="any">
      <!-- Do nothing, the return value is already false -->
    </cfcatch>
  </cftry>

  <cfreturn returnValue />
</cffunction>
```