About Me

CF Developer 10+ years

Work at Interfolio

Blog at samfarmer.com

interfolio

Tips and thoughts on ColdFusion and other technologies that make the web go...

Sam Farmer's Blog

cfunited

Overview

Good to Know

Operators

Data Types

Query

Types of Files

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Comments

Three dashes

Never sent to browser

<!--- My comment --->

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Escaping

Always double:

    `<cfoutput>Here is a pound sign: ##</cfoutput>`

""

    `<cfset aString = "a quote "" in a string">`

'

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ColdFusion Starts at 1

Loops, arrays, everything

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Setting Variables & Strings

Use cfset

<cfset variables.myName = "Sam">

<cfset variables.fullName = variables.myName & "Farmer">

<cfset variables.a = 5>

<cfset variables.b = (variables.a * 5) + 10>

CF works out the type

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To Pound or Not To Pound

Pound Signs Needed:

    in cfoutput

    passing variables to attributes

```
<cfoutput>#variables.myName#</cfoutput>
<cfswitch expression="#variables.myName#">
```

```
<cfset variables.myNameUpper =
    Ucase(variables.myName)>
```

CF very forgiving

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Operators

`<cfif [not | !] a OPERATOR b>`

equal	**eq**	is
not equal	**neq**	is not
contains		
does not contain		
greater than	**gt**	
greater than or equal to	**gte**	ge
less than	**lt**	
less than or equal	**lte**	

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cfif

```
<cfif variables.myName eq "Sam">
    do something
<cfelseif variables.myName eq "Fred">
    hi Fred
<cfelse>
    something else
</cfif>
```

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Variables Scopes

ColdFusion puts variables into scopes

Better performance

Easier debugging

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Variable Types & Order of Evaluation

query column names	When looping over a query
var	Set in the var scope, local to the function
thread local	When using cfthread
arguments	Arguments passed into a function
variables	Set and accessed in a cfm or cfc file
thread global	When using cfthread

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Variable Types & Order of Evaluation 2

cgi	Information sent with every request like users IP, browser type, etc
cffile	Variables set when uploading a file
url	Passed in the query string or from get forms
form	From post forms
cookie	From cookies set with cfcookie
client	Client variables allow sharing of user sessions across clustered configs

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Always scoped variable types

Available everywhere

Request	Lasts for, and unique to, a request
session	When using session variables, unique to a user
application	Accessed across the whole application, same values for an application
server	Rarely used, some information about the server configuration, same value for a server

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Complex Data Types

Structure

Array

List

Query

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Structures

Everything is a structure!

Like map or associative array

```
<cfset variables.myStruct =
    {mon="Monday",tue="Tuesday"}>
```

Key functions:

StructDelete

StructKeyExists

StructSort

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Arrays

<cfset variables.myArray = ["Monday","Tuesday"]>

Key Functions:

ArrayLen

ArrayToList

ListToArray

ArraySort

ArraySum

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Old Structure and Array Syntax

Pre ColdFusion 8:

```
<cfset variables.myStruct = StructNew()>
<cfset variables.myStruct.mon = "Monday">
<cfset variables.myStruct.tue = "Tuesday">

<cfset variables.myArray = ArrayNew(1)>
<cfset variables.myArray[1] = "Monday">
<cfset variables.myArray[2] = "Tuesday">
```

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Lists

```
<cfset variables.myList =
    "Monday,Tuesday,Wednesday">
```

Delimiter: Comma by default, other popular ones | ~

Key functions:

    ListAppend

    ListChangeDelims

    ListFindNoCase

    ListFirst

    ListLast

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CF Administrator

http://localhost[:8500]/cfide/administrator

Debugging

Datasources

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Query

Comes back from cfquery

Kind of array of structures

Query of Queries

Make Own queries

Returned from other tags as well like cfdirectory

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Forms

Get vs Post

    Get = URL Scope

    Post = Form Scope

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cfqueryparam

Always, always use with data from users

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Types of Files

.cfm

 Original

 Include

 Custom tag

ColdFusion Components (cfc)

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CF Include

cfinclude

template=""

Uses the variables scope of the original file

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Custom Tag

Very powerful feature

Especially for presentation

Passed values are attributes

Caller scope to pass back

<cf_

<cfmodule

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CF Component (CFC)

Introduced in version 6

Collection of Functions

Use as Library or Objects

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User Defined Functions

Write your own functions

cffunction

   name=""

   access="public | private | remote"

Var scope

   Always, always, always

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Q&A

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