



# **ColdFusion Quick Reference Guide**

ColdFusion 4.0 for Windows NT,  
Windows 95/98, and Solaris

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# CFML Tags

## CFABORT

```
<CFABORT SHOWERROR="text">
```

## CFAPPLET

```
<CFAPPLET APPLETSOURCE="applet_name"  
  NAME="form_variable_name"  
  HEIGHT="pixels"  
  WIDTH="pixels"  
  VSPACE="pixels"  
  HSPACE="pixels"  
  ALIGN="alignment"  
  NOTSUPPORTED="text"  
  param_1="value"  
  param_2="value"  
  param_n="value">
```

## CFAPPLICATION

```
<CFAPPLICATION NAME="Name"  
  CLIENTMANAGEMENT="Yes/No"  
  CLIENTSTORAGE="Storage Type"  
  SETCLIENTCOOKIES="Yes/No"  
  SESSIONMANAGEMENT="Yes/No"  
  SESSIONTIMEOUT=#CreateTimeSpan(days,  
    hours, minutes, seconds)#  
  APPLICATIONTIMEOUT=#CreateTimeSpan(days,  
    hours, minutes, seconds)#>
```

## CFABORT

```
<CFABORT SHOWERROR="text">
```

## CFAPPLET

```
<CFAPPLET APPLETSOURCE="applet_name"  
  NAME="form_variable_name"  
  HEIGHT="pixels"  
  WIDTH="pixels"  
  VSPACE="pixels"  
  HSPACE="pixels"  
  ALIGN="alignment"  
  NOTSUPPORTED="text"  
  param_1="value"  
  param_2="value"  
  param_n="value">
```

## CFAPPLICATION

```
<CFAPPLICATION NAME="Name"  
  CLIENTMANAGEMENT="Yes/No"  
  CLIENTSTORAGE="Storage Type"  
  SETCLIENTCOOKIES="Yes/No"  
  SESSIONMANAGEMENT="Yes/No"  
  SESSIONTIMEOUT=#CreateTimeSpan(days, hours,  
    minutes, seconds)#  
  APPLICATIONTIMEOUT=#CreateTimeSpan(days, hours,  
    minutes, seconds)#>
```

## CFASSOCIATE

```
<CFASSOCIATE BASETAG="tagname"  
  DATACOLLECTION="collectionname">
```

## CFAUTHENTICATE

```
<CFAUTHENTICATE SECURITYCONTEXT="context"  
  USERNAME="user ID"  
  PASSWORD="password"  
  SETCOOKIE="yes/no"
```

THROWONFAILURE="yes/no">

## **CFBREAK**

<CFBREAK>

## **CFCOL**

<CFCOL HEADER="text"  
WIDTH="number"  
ALIGN="position"  
TEXT="text">

## **CFCOLLECTION**

<CFCOLLECTION ACTION="action"  
COLLECTION="collection"  
PATH="implementation directory"  
LANGUAGE="language">

## **CFCONTENT**

<CFCONTENT TYPE="file\_type"  
DELETEFILE="Yes/No"  
FILE="filename">

## **CFCOOKIE**

<CFCOOKIE NAME="cookie\_name"  
VALUE="text"  
EXPIRES="period"  
SECURE="Yes/No"  
PATH="urls"  
DOMAIN=".domain">

## **CFDIRECTORY**

<CFDIRECTORY ACTION="directory action"  
DIRECTORY="directory name"  
NAME="query name"  
FILTER="list filter"  
MODE="permission"  
SORT="sort specification"  
NEWDIRECTORY="new directory name">

## **CFERROR**

<CFERROR TYPE="err\_type"  
TEMPLATE="path"  
MAILTO="email\_address">

## **CFEXIT**

<CFEXIT METHOD="method">

## **CFFILE**

<CFFILE ACTION="Upload"  
FILEFIELD="formfield"  
DESTINATION="directory"  
NAMECONFLICT="behavior"  
ACCEPT="file\_extension"  
MODE="permission"  
ATTRIBUTES="file\_attributes">  
<CFFILE ACTION="Move"  
SOURCE="file\_name"  
DESTINATION="directory\_name">  
ATTRIBUTES="file\_attributes">  
<CFFILE ACTION="Rename"  
SOURCE="file\_name"  
DESTINATION="file\_name">  
ATTRIBUTES="file\_attributes">  
<CFFILE ACTION="Copy"  
SOURCE="file\_name"  
DESTINATION="directory\_name">

```

    ATTRIBUTES="file_attributes">
<CFFILE ACTION="Delete"
    FILE="file_name">
<CFFILE ACTION="Read"
    FILE="file_name"
    VARIABLE="var_name">
<CFFILE ACTION="Write"
    FILE="file_name"
    OUTPUT="content"
    MODE="permission">
    ATTRIBUTES="file_attributes">
<CFFILE ACTION="Append"
    FILE="file_name"
    OUTPUT="string">
    ATTRIBUTES="file_attributes">

```

## CFFORM

```

<CFFORM NAME="name"
    ACTION="form_action"
    ENABLECAB="Yes/No"
    ONSUBMIT="javascript"
    TARGET="window_name">
...
</CFFORM>

```

## CFFTP

```

<CFFTP ACTION="OPEN or CLOSE"
    USERNAME="name"
    PASSWORD="password"
    SERVER="server"
    TIMEOUT="timeout in seconds"
    PORT="port"
    CONNECTION="name"
    AGENTNAME="name"
    PROXYSERVER="proxyserver"
    PROXYBYPASS="proxybypass"
    RETRYCOUNT="number"
    STOPONERROR="Yes/No">
<CFFTP ACTION="all other CFFTP actions"
    USERNAME="name"
    PASSWORD="password"
    NAME="query_name"
    SERVER="server"
    ASCIIEXTENSIONLIST="extensions"
    TRANSFERMODE="mode"
    FAILIFEXISTS="Yes/No"
    DIRECTORY="directory name"
    LOCALFILE="filename"
    REMOTEFILE="filename"
    ATTRIBUTES="file attributes"
    ITEM="directory or file"
    EXISTING="file or directory name"
    NEW="file or directory name"
    PROXYSERVER="proxyserver"
    PROXYBYPASS="proxybypass">

```

## CFGRID

```

<CFGRID NAME="name"
    HEIGHT="integer"
    WIDTH="integer"
    VSPACE="integer"
    HSPACE="integer"
    ALIGN="value"
    QUERY="query_name"
    INSERT="Yes/No"
    DELETE="Yes/No"
    SORT="Yes/No"
    FONT="column_font"

```

```

    FONTSIZE="size"
    ITALIC="Yes/No"
    BOLD="Yes/No"
    HREF="URL"
    HREFKEY="column_name"
    TARGET="URL_target"
    APPENDKEY="Yes/No"
    HIGHLIGHTHREF="Yes/No"
    ONVALIDATE="javascript_function"
    ONERROR="text"
    GRIDDATAALIGN="position"
    GRIDLINES="Yes/No"
    ROWHEIGHT="pixels"
    ROWHEADERS="Yes/No"
    ROWHEADERALIGN="position"
    ROWHEADERFONT="font_name"
    ROWHEADERFONTSIZE="size"
    ROWHEADERITALIC="Yes/No"
    ROWHEADERBOLD="Yes/No"
    ROWHEADERWIDTH="col_width"
    COLHEADERS="Yes/No"
    COLHEADERALIGN="position"
    COLHEADERFONT="font_name"
    COLHEADERFONTSIZE="size"
    COLHEADERITALIC="Yes/No"
    COLHEADERBOLD="Yes/No"
    BGCOLOR="color"
    SELECTCOLOR="color"
    SELECTMODE="mode"
    MAXROWS="number"
    NOTSUPPORTED="text"
    PICTUREBAR="Yes/No"
    INSERTBUTTON="text"
    DELETEBUTTON="text"
    SORTASCENDINGBUTTON="text"
    SORTDESCENDINGBUTTON="text">

```

</CFGRID>

## CFGRIDCOLUMN

```

<CFGRIDCOLUMN NAME="column_name"
  HEADER="header"
  WIDTH="column_width"
  FONT="column_font"
  FONTSIZE="size"
  ITALIC="Yes/No"
  BOLD="Yes/No"
  HREF="URL"
  HREFKEY="column_name"
  TARGET="URL_target"
  SELECT="Yes/No"
  DISPLAY="Yes/No"
  TYPE="type"
  HEADERFONT="font_name"
  HEADERFONTSIZE="size"
  HEADERITALIC="Yes/No"
  HEADERBOLD="Yes/No"
  DATAALIGN="position"
  HEADERALIGN="position"
  NUMBERFORMAT="format">

```

## CFGRIDROW

```

<CFGRIDROW DATA="col1, col2, ...">

```

## CFGRIDUPDATE

```

<CFGRIDUPDATE GRID="gridname"
  DATASOURCE="data source name"
  DBTYPE="type"

```



```

DBSERVER="dbms"
DBNAME="database name"
TABLENAME="table name"
USERNAME="data source username"
PASSWORD="data source password"
TABLEOWNER="table owner"
TABLEQUALIFIER="qualifier"
PROVIDER="COMProvider"
PROVIDERDSN="datasource"
KEYONLY="Yes/No">

```

## CFHEADER

```

<CFHEADER NAME="header_name"
  VALUE="header_value">

```

## CFHTMLHEAD

```

<CFHTMLHEAD TEXT="text">

```

## CFHTTP

```

<CFHTTP URL="hostname"
  PORT="port_number"
  METHOD="get_or_post"
  USERNAME="username"
  PASSWORD="password"
  NAME="queryname"
  COLUMNS="query_columns"
  PATH="path"
  FILE="filename"
  DELIMITER="character"
  TEXTQUALIFIER="character"
  RESOLVEURL="Yes/No"
  PROXYSERVER="hostname">
</CFHTTP>

```

## CFHTTPPARAM

```

<CFHTTPPARAM NAME="name"
  TYPE="type"
  VALUE="transaction type"
  FILE="filename">

```

## CFIF/CFELSE/CFELSEIF

```

<CFIF expression>
  HTML and CFML tags
<CFELSE>
  HTML and CFML tags
<CFELSEIF expression>
  HTML and CFML tags
</CFIF>

```

## CFINCLUDE

```

<CFINCLUDE TEMPLATE="template_name">

```

## CFINDEX

```

<CFINDEX COLLECTION="collection_name"
  ACTION="action"
  TYPE="type"
  TITLE="title"
  KEY="ID"
  BODY="body"
  CUSTOM1="custom_value"
  CUSTOM2="custom_value"
  URLPATH="URL"
  EXTENSIONS="file_extensions"
  QUERY="query_name"
  RECURSE="Yes/No"
  EXTERNAL="Yes/No"
  LANGUAGE="language">

```

## CFINPUT

```
<CFINPUT TYPE="input_type"
  NAME="name"
  VALUE="initial_value"
  REQUIRED="Yes/No"
  RANGE="min_value, max_value"
  VALIDATE="data_type"
  ONVALIDATE="javascript_function"
  MESSAGE="validation_msg"
  ONERROR="text"
  SIZE="integer"
  MAXLENGTH="integer"
  CHECKED="Yes/No">
```

## CFINSERT

```
<CFINSERT DATASOURCE="ds_name"
  DBTYPE="type"
  DBSERVER="dbms"
  DBNAME="database name"
  TABLENAME="tbl_name"
  TABLEOWNER="owner"
  TABLEQUALIFIER="tbl_qualifier"
  USERNAME="username"
  PASSWORD="password"
  PROVIDER="COMProvider"
  PROVIDERDSN="datasource"
  FORMFIELDS="formfield1, formfield2, ...">
```

## CFLDAP

```
<CFLDAP SERVER="server_name"
  PORT="port_number"
  USERNAME="name"
  PASSWORD="password"
  ACTION="action"
  NAME="name"
  TIMEOUT="seconds"
  MAXROWS="number"
  START="distinguished_name"
  SCOPE="scope"
  ATTRIBUTES="attribute, attribute"
  FILTER="filter"
  SORT="sort_order"
  DN="distinguished_name"
  STARTROW="row_number">
```

## CFLOCATION

```
<CFLOCATION URL="url" ADDTOKEN="Yes/No">
```

## CFLOCK

```
<CFLOCK NAME="lockname"
  TIMEOUT="timeout in seconds "
  THROWONTIMEOUT="Yes/No">
  <!-- CFML to be synchronized --->
</CFLOCK>
```

## CFLOOP

```
<CFLOOP INDEX="parameter_name"
  FROM="beginning_value"
  TO="ending_value"
  STEP="increment">
  ...
  HTML or CFML code to execute
  ...
</CFLOOP>
<CFLOOP CONDITION="expression">
<CFLOOP QUERY="query_name"
  STARTROW="row_num"
```

```

    ENDROW="row_num">
<CFLUMP INDEX="index_name"
    LIST="list_items"
    DELIMITERS="item_delimiter">
</CFLUMP>

```

## CFMAIL

```

<CFMAIL TO="recipient"
FROM="sender"
CC="copy_to"
SUBJECT="msg_subject"
TYPE="msg_type"
QUERY="query_name"
MAXROWS="max_msgs"
MIMEATTACH="path"
GROUP="query_column"
STARTROW="query_row"
SERVER="servername"
PORT="port_ID"
MAILERID="headerid"
TIMEOUT="seconds">

```

## CFMODULE

```

<CFMODULE TEMPLATE="template"
NAME="tag_name"
ATTRIBUTE="value"
ATTRIBUTE="value"
...>

```

## CFOBJECT

```

<CFOBJECT TYPE="COM"
ACTION="action"
CLASS="program_ID"
NAME="text"
CONTEXT="context"
SERVER="server_name">
<CFOBJECT TYPE="CORBA"
CONTEXT="context"
CLASS="file or naming service"
NAME="text">

```

## CFOUTPUT

```

<CFOUTPUT QUERY="query_name"
MAXROWS="max_rows_output"
GROUP="parameter"
STARTROW="start_row">

</CFOUTPUT>

```

## CFPARAM

```

<CFPARAM NAME="param_name"
DEFAULT="value">

```

## CFPOP

```

<CFPOP SERVER="servername"
PORT="port_number"
USERNAME="username"
PASSWORD="password"
ACTION="action"
NAME="queryname"
MESSAGENUMBER="number"
ATTACHMENTPATH="path"
TIMEOUT="seconds"
MAXROWS="number"
STARTROW="number">

```

## CFPROCPARAM

```

<CFPROCPARAM TYPE="IN/OUT/INOUT"
  VARIABLE="variable name"
  DBVARNAME="DB variable name"
  VALUE="parameter value"
  CFSQLTYPE="parameter datatype"
  MAXLENGTH="length"
  SCALE="decimal places"
  NULL="yes/no">

```

## CFPROCRESULT

```

<CFPROCRESULT NAME="query_name"
  RESULTSET="1-n"
  MAXROWS="maxrows">

```

## CFQUERY

```

<CFQUERY NAME="query_name"
  DATASOURCE="ds_name"
  DBTYPE="type"
  DBSERVER="dbms"
  DBNAME="database name"
  USERNAME="username"
  PASSWORD="password"
  MAXROWS="number"
  BLOCKFACTOR="blocksize"
  TIMEOUT="milliseconds"
  CACHEDAFTER="date"
  CACHEDWITHIN="timespan"
  PROVIDER="COMProvider"
  PROVIDERDSN="datasource"
  DEBUG="Yes/No">
...
SQL statements
...
</CFQUERY>

```

## CFREGISTRY

```

<CFREGISTRY ACTION="GetAll"
  BRANCH="branch"
  TYPE="data type"
  NAME="query name"
  SORT="criteria">
<CFREGISTRY ACTION="Get"
  BRANCH="branch"
  ENTRY="key or value"
  TYPE="data type"
  VARIABLE="variable">
<CFREGISTRY ACTION="Set"
  BRANCH="branch"
  ENTRY="key or value"
  TYPE="value type"
  VALUE="data">
<CFREGISTRY ACTION="Delete"
  BRANCH="branch"
  ENTRY="keyorvalue">

```

## CFREPORT

```

<CFREPORT REPORT="report_path"
  ORDERBY="result_order"
  USERNAME="username"
  PASSWORD="password"
  FORMULA="formula">

</CFREPORT>

```

## CFSCHEDULE

```

<CFSCHEDULE ACTION="Update"
  TASK="taskname"

```

```

OPERATION="HTTPRequest"
FILE="filename"
PATH="path_to_file"
STARTDATE="date"
STARTTIME="time"
URL="URL"
PUBLISH="Yes/No"
ENDDATE="date"
ENDTIME="time"
INTERVAL="seconds"
REQUESTTIMEOUT="seconds"
USERNAME="username"
PASSWORD="password"
RESOLVEURL="Yes/No"
PROXYSERVER="hostname">

```

```

<CFSCHEDULE ACTION="Delete" TASK="TaskName">
<CFSCHEDULE ACTION="Run" TASK="TaskName">

```

## CFSCRIPT

```

<CFSCRIPT>
  CFScript code goes here
</CFSCRIPT>

```

## CFSEARCH

```

<CFSEARCH NAME="search_name"
  COLLECTION="collection_name"
  TYPE="criteria"
  CRITERIA="search_expression"
  MAXROWS="number"
  STARTROW="row_number"
  EXTERNAL="Yes/No"
  LANGUAGE="language">

```

## CFSELECT

```

<CFSELECT NAME="name"
  REQUIRED="Yes/No"
  MESSAGE="text"
  ONERROR="text"
  SIZE="integer"
  MULTIPLE="Yes/No"
  QUERY="queryname"
  SELECTED="column_value"
  VALUE="text"
  DISPLAY="text">

```

```

</CFSELECT>

```

## CFSET

```

<CFSET variable_name=expression>

```

## CFSETTING

```

<CFSETTING ENABLECFOUTPUTONLY="Yes/No"
  SHOWDEBUGOUTPUT="Yes/No">

```

## CFSLIDER

```

<CFSLIDER NAME="name"
  LABEL="text"
  REFRESHLABEL="Yes/No"
  IMG="filename"
  IMGSTYLE="style"
  RANGE="min_value, max_value"
  SCALE="uinteger"
  VALUE="integer"
  ONVALIDATE="script_name"
  MESSAGE="text"
  ONERROR="text"

```

```

HEIGHT="integer"
WIDTH="integer"
VSPACE="integer"
HSPACE="integer"
ALIGN="alignment"
GROOVECOLOR="color"
BGCOLOR="color"
TEXTCOLOR="color"
FONT="font_name"
FONTSIZE="integer"
ITALIC="Yes/No"
BOLD="Yes/No"
NOTSUPPORTED="text">

```

## CFSTOREDPROC

```

<CFSTOREDPROC PROCEDURE="procedure name"
  DATASOURCE="ds_name"
  USERNAME="username"
  PASSWORD="password"
  DBSERVER="dbms"
  DBNAME="database name"
  BLOCKFACTOR="blocksize"
  PROVIDER="COMProvider"
  PROVIDERDSN="datasource"
  DEBUG="Yes/No"
  RETURNCODE="Yes/No">

```

## CFSWITCH/CFCASE/CFDEFAULTCASE

```

<CFSWITCH EXPRESSION="expression">
  <CFCASE VALUE="value" DELIMITERS="delimiters">
    HTML and CFML tags
  </CFCASE>
  additional <CFCASE></CFCASE> tags
<CFDEFAULTCASE>
  HTML and CFML tags
</CFDEFAULTCASE>
</CFSWITCH>

```

## CFTABLE

```

<CFTABLE QUERY="query_name"
  MAXROWS="maxrows_table"
  COLSPACING="number_of_spaces"
  HEADERLINES="number_of_lines"
  HTMLTABLE
  BORDER
  COLHEADERS
  STARTROW="row_number">

</CFTABLE>

```

## CFTEXTINPUT

```

<CFTEXTINPUT NAME="name"
  VALUE="text"
  REQUIRED="Yes/No"
  RANGE="min_value, max_value"
  VALIDATE="data_type"
  ONVALIDATE="script_name"
  MESSAGE="text"
  ONERROR="text"
  SIZE="integer"
  FONT="font_name"
  FONTSIZE="integer"
  ITALIC="Yes/No"
  BOLD="Yes/No"
  HEIGHT="integer"
  WIDTH="integer"
  VSPACE="integer"

```

```
HSPACE="integer"
ALIGN="alignment"
BGCOLOR="color"
TEXTCOLOR="color"
MAXLENGTH="integer"
NOTSUPPORTED="text">
```

## **CFTHROW**

```
<CFTHROW MESSAGE="message">
```

## **CFTRANSACTION**

```
<CFTRANSACTION ISOLATION="ODBC_lock">
...
</CFTRANSACTION>
```

## **CFTREE**

```
<CFTREE NAME="name"
  REQUIRED="Yes/No"
  DELIMITER="delimiter"
  COMPLETEPATH="Yes/No"
  APPENDKEY="Yes/No"
  HIGHLIGHTHREF="Yes/No"
  ONVALIDATE="script_name"
  MESSAGE="text"
  ONERROR="text"
  FONT="font"
  FONTSIZE="size"
  ITALIC="Yes/No"
  BOLD="Yes/No"
  HEIGHT="integer"
  WIDTH="integer"
  VSPACE="integer"
  HSPACE="integer"
  ALIGN="alignment"
  BORDER="Yes/No"
  HSCROLL="Yes/No"
  VSCROLL="Yes/No"
  NOTSUPPORTED="text">
```

```
</CFTREE>
```

## **CFTREEITEM**

```
<CFTREEITEM VALUE="text"
  DISPLAY="text"
  PARENT="parent_name"
  IMG="filename"
  IMGOPEN="filename"
  HREF="URL"
  TARGET="URL_target"
  QUERY="queryname"
  QUERYASROOT="Yes/No"
  EXPAND="Yes/No">
```

## **CFTRY/CFCATCH**

```
<CFTRY>
... Add code here
<CFCATCH TYPE="exceptiontype">
... Add exception processing code here
</CFCATCH>
... Additional CFCATCH blocks go here
</CFTRY>
```

## **CFUPDATE**

```
<CFUPDATE DATASOURCE="ds_name"
  DBTYPE="type"
  DBSERVER="dbms"
  DBNAME="database name">
```

```
TABLENAME="table_name"  
TABLEOWNER="name"  
TABLEQUALIFIER="qualifier"  
USERNAME="username"  
PASSWORD="password"  
PROVIDER="COMProvider"  
PROVIDERDSN="datasource"  
FORMFIELDS="field_names">
```

## **CFWDDX**

```
<CFWDDX ACTION="action"  
  INPUT="inputdata"  
  OUTPUT="resultvariablename"  
  TOPLEVELVARIABLE="toplevelvariablenameforjavascript">
```



# CFML Functions

## Array functions

`ArrayAppend(array, value)`  
`ArrayAvg(array)`  
`ArrayClear(array)`  
`ArrayDeleteAt(array, position)`  
`ArrayInsertAt(array, position, value)`  
`ArrayIsEmpty(array)`  
`ArrayLen(array)`  
`ArrayMax(array)`  
`ArrayMin(array)`  
`ArrayNew(dimension)`  
`ArrayPrepend(array, value)`  
`ArrayResize(array, minimum_size)`  
`ArraySet(array, start_pos, end_pos, value)`  
`ArraySort(array, sort_type [, sort_order ])`  
`ArraySum(array)`  
`ArraySwap(array, position1, position2)`  
`ArrayToList(array [, delimiter ])`  
`IsArray(value [, number ])`  
`ListToArray(list [, delimiter ])`

## Date and time functions

`CreateDate(year, month, day)`  
`CreateDateTime(year, month, day, hour, minute, second)`  
`CreateODBCDate(date)`  
`CreateODBCDateTime(date)`  
`CreateODBCTime(date)`  
`CreateTime(hour, minute, second)`  
`CreateTimeSpan(days, hours, minutes, seconds)`  
`DateAdd(datepart, number, date)`  
`DateCompare(date1, date2)`  
`DateDiff(datepart, date1, date2)`  
`DateFormat(date [, mask ])`  
`DatePart(datepart, date)`  
`Day(date)`  
`DayOfWeek(date)`  
`DayOfWeekAsString(day_of_week)`  
`DayOfYear(date)`  
`DaysInMonth(date)`  
`DaysInYear(date)`  
`FirstDayOfMonth(date)`  
`Hour(date)`  
`IsDate(string)`  
`IsLeapYear(year)`  
`IsNumericDate(number)`  
`Minute(date)`  
`Month(Date)`  
`MonthAsString(month_number)`  
`Now()`

ParseDateTime(*string1* [, *string2* ] )  
Quarter(*date*)  
Second(*date*)  
Week(*date*)  
Year(*date*)

## Decision functions

IsArray(*value* [, *number* ])  
IsAuthenticated( )  
IsAuthorized(*resourcetype*, *resourcename* [, *action* ])  
IsBoolean(*value*)  
IsDate(*string*)  
IsDebugMode( )  
IsDefined("variable\_name")  
IsNumeric(*string*)  
IsQuery(*value*)  
IsSimpleValue(*value*)  
LSIsCurrency(*string*)  
LSIsDate(*string*)  
LSIsNumeric(*string*)

## Display and formatting functions

DateFormat(*date* [, *mask* ])  
DecimalFormat(*number*)  
DollarFormat(*number*)  
FormatBaseN(*number*, *radix*)  
HTMLCodeFormat(*string* [, *version* ])  
HTMLEditFormat(*string* [, *version* ])  
LSCurrencyFormat(*number* [, *type* ])  
LSDateFormat(*date* [, *mask* ])  
LSNumberFormat(*number* [, *mask* ])  
LSTimeFormat(*time* [, *mask* ])  
NumberFormat(*number* [, *mask* ])  
ParagraphFormat(*string*)  
TimeFormat(*time* [, *mask* ])  
YesNoFormat(*value*)

## Dynamic evaluation functions

DE(*string*)  
Evaluate(*string\_expression1* [, *string\_expression2* [, ... ] ] )  
IIf(*condition*, *string\_expression1*, *string\_expression2*)  
SetVariable(*name*, *value*)

## List functions

ArrayToList(*array* [, *delimiter* ])  
ListAppend(*list*, *value* [, *delimiters* ])  
ListChangeDelims(*list*, *new\_delimiter* [, *delimiters* ])  
ListContains(*list*, *substring* [, *delimiters* ])  
ListContainsNoCase(*list*, *substring* [, *delimiters* ])  
ListDeleteAt(*list*, *position* [, *delimiters* ])  
ListFind(*list*, *value* [, *delimiters* ])

ListFindNoCase(*list*, *value* [, *delimiters* ])  
ListFirst(*list* [, *delimiters* ])  
ListGetAt(*list*, *position* [, *delimiters* ])  
ListInsertAt(*list*, *position*, *value* [, *delimiters* ])  
ListLast(*list* [, *delimiters* ])  
ListLen(*list* [, *delimiters* ])  
ListPrepend(*list*, *value* [, *delimiters* ])  
ListRest(*list* [, *delimiters* ])  
ListSetAt(*list*, *position*, *value* [, *delimiters* ])  
ListToArray(*list* [, *delimiter* ])

## Structure functions

IsStruct(*variable*)  
StructClear(*structure*)  
StructCopy(*structure*)  
StructCount(*structure*)  
StructDelete(*structure*, *key* [, *indicateNotExisting* ])  
StructFind(*structure*, *key*)  
StructInsert(*structure*, *key*, *value* [, *allowOverwrite* ])  
StructIsEmpty(*structure*)  
StructKeyExists(*structure*, *key*)  
StructNew()  
StructUpdate(*structure*, *key*, *value*)

## International functions

GetLocale()  
LSCurrencyFormat(*number* [, *type* ])  
LSDateFormat(*date* [, *mask* ])  
LSIsCurrency(*string*)  
LSIsDate(*string*)  
LSIsNumeric(*string*)  
LSNumberFormat(*number* [, *mask* ])  
LSParseCurrency(*string*)  
LSParseDateTime(*string*)  
LSParseNumber(*string*)  
LSTimeFormat(*time* [, *mask* ])  
SetLocale(*new\_locale*)

## Mathematical functions

Abs(*number*)  
ACos(*number*)  
ASin(*number*)  
Atn(*number*)  
BitAnd(*number1*, *number2*)  
BitMaskClear(*number*, *start*, *length*)  
BitMaskRead(*number*, *start*, *length*)  
BitMaskSet(*number*, *mask*, *start*, *length*)  
BitNot(*number*)  
BitOr(*number1*, *number2*)  
BitSHLN(*number*, *count*)  
BitSHRN(*number*, *count*)

BitXor(*number1*, *number2*)  
Ceiling(*number*)  
Cos(*number*)  
DecrementValue(*number*)  
Exp(*number*)  
Fix(*number*)  
IncrementValue(*number*)  
InputBaseN(*string*, *radix*)  
Int(*number*)  
Log(*number*)  
Log10(*number*)  
Max(*number1*, *number2*)  
Min(*number1*, *number2*)  
Pi()  
Rand()  
Randomize(*number*)  
RandRange(*number1*, *number2*)  
Round(*number*)  
Sgn(*number*)  
Sin(*number*)  
Sqr(*number*)  
Tan(*number*)

## String functions

Asc(*string*)  
Chr(*number*)  
Cjustify(*string*, *length*)  
Compare(*string1*, *string2*)  
CompareNoCase(*string1*, *string2*)  
DayOfWeekAsString(*day\_of\_week*)  
FormatBaseN(*number*, *radix*)  
Find(*substring*, *string* [, *start* ])  
FindNoCase(*substring*, *string* [, *start* ])  
FindOneOf(*set*, *string* [, *start* ])  
GetToken(*string*, *index* [, *delimiters* ])  
Insert(*substring*, *string*, *position*)  
LCase(*string*)  
Left(*string*, *count*)  
Len(*string*)  
LJustify(*string*, *length*)  
LSParseCurrency(*string*)  
LSParseDateTime(*string*)  
LSParseNumber(*string*)  
LTrim(*string*)  
Mid(*string*, *start*, *count*)  
MonthAsString(*month\_number*)  
ParseDateTime(*string1* [, *string2* ] )  
REFind(*reg\_expression*, *string*, *start*)  
REFindNoCase(*reg\_expression*, *string* [, *start* ]  
[, returnsubexpressions ] )  
RemoveChars(*string*, *start*, *count*)  
RepeatString(*string*, *count*)

Replace(*string*, *substring1*, *substring2* [, *scope* ])  
ReplaceList(*string*, *list1*, *list2*)  
ReplaceNoCase(*string*, *substring1*, *substring2* [, *scope* ])  
REReplace(*string*, *reg\_expression*, *substring* [, *scope* ])  
REReplaceNoCase(*string*, *reg\_expression*, *substring* [, *scope* ])  
Reverse(*string*)  
Right(*string*, *count*)  
RJustify(*string*, *length*)  
RTrim(*string*)  
SpanExcluding(*string*, *set*)  
SpanIncluding(*string*, *set*)  
Trim(*string*)  
UCase(*string*)  
Val(*string*)

## System functions

DirectoryExists(*absolute\_path*)  
ExpandPath(*relative\_path*)  
FileExists(*absolute\_path*)  
GetBaseTemplatePath()  
GetCurrentTemplatePath()  
GetDirectoryFromPath(*path*)  
GetFileFromPath(*path*)  
GetTempDirectory()  
GetTempFile(*dir*, *prefix*)  
†GetTemplatePath()

## Query functions

IsQuery(*value*)  
QueryAddRow(*query* [, *number* ])  
QueryNew(*columnlist*)  
QuerySetCell(*query*, *column\_name*, *value* [, *row\_number* ])  
QuotedValueList(*query.column* [, *delimiter* ])  
ValueList(*query.column* [, *delimiter* ])

## Other functions

Decrypt(*encrypted\_string*, *key*)  
DeleteClientVariable("name")  
Encrypt(*string*, *key*)  
GetBaseTagData(*tagname* [, *instancenumber* ] )  
GetBaseTagList()  
GetClientVariablesList()  
GetTickCount()  
ParameterExists(*parameter*)  
PreserveSingleQuotes(*variable*)  
StripCR(*string*)  
URLEncodedFormat(*string*)

---

† Deprecated.

# ColdFusion Variables

ColdFusion returns a wide variety of variables, such as those returned in a CFDIRECTORY or CFFTP operation. Variables are usually referenced by "scoping" the variable according to its type, as in Session.varname, or Application.varname.

## Variable scope

ColdFusion supports the Variables scope. Unscoped variables created with the CFSET tag acquire the Variables scope by default. For example, the variable created by:

```
<CFSET linguist = Chomsky>
```

can be referenced as:

```
#Variables.linguist#
```

## Client variables

These client variables are read-only.

```
Client.CFID  
Client.CFToken  
Client.HitCount  
Client.LastVisit  
Client.TimeCreated  
Client.URLToken
```

## Server variables

Use the Server. prefix to reference server variables:

```
Server.ColdFusion.ProductName  
Server.ColdFusion.ProductVersion  
Server.ColdFusion.ProductLevel  
Server.ColdFusion.SerialNumber  
Server.ColdFusion.SupportedLocales  
Server.OS.Name  
Server.OS.AdditionalInformation  
Server.OS.Version  
Server.OS.BuildNumber
```

## Application and session variables

Use CFAPPLICATION to enable application and session variables. Both application and session variables are stored in memory. They are referenced as:

```
Application.myvariable  
Session.myvariable
```

There are also a few pre-defined session variables:

```
Session.CFID  
Session.CFToken  
Session.URLToken
```

# ColdFusion Tag-Specific Variables

A number of ColdFusion tags return data as variables. For example, the CFFILE tag returns file size information in the FileSize variable, referenced as CFFILE.FileSize.

The following tags return data that can be referenced in variables:

- CFINDEX
- CFMAIL
- CFPOP
- CFSEARCH
- CFLDAP
- CFFILE
- CFDIRECTORY
- CFERROR
- CFREGISTRY
- CFHTTP

## ColdFusion query variables

Any ColdFusion tag that returns a query object supports the following variables:

*queryname*.CurrentRow  
*queryname*.RecordCount  
*queryname*.ColumnList

Where *queryname* is the value of the NAME attribute in each tag.

## CFCATCH variables

Within a CFCATCH block, the properties of the active exception can be accessed as variables:

CFCATCH.Type  
CFCATCH.Message  
CFCATCH.Detail  
CFCATCH.ErrNumber  
CFCATCH.NativeErrorCode  
CFCATCH.SQLState  
CFCATCH.LockName  
CFCATCH.LockOperation  
CFCATCH.MissingFileName

## CFDIRECTORY variables

When used with ACTION=LIST, CFDIRECTORY returns a query object. *Queryname* is the value of the NAME attribute used in the CFDIRECTORY operation.

*queryname*.Name  
*queryname*.Size  
*queryname*.Type  
*queryname*.DateLastModified  
*queryname*.Attributes  
*queryname*.Mode

## CFERROR variables

When CFERROR generates an error page, the following error variables are available.

- Error.Diagnostics
- Error.MailTo
- Error.DateTime
- Error.Browser
- Error.RemoteAddress
- Error.HTTPReferer
- Error.Template
- Error.QueryString
- Error.ValidationHeader
- Error.InvalidFields
- Error.ValidationFooter

## CFFILE ACTION=Upload variables

File variables are read-only. Use the CFFILE. prefix to reference file variables: CFFILE.ClientDirectory. Note that although still supported, the File. prefix is being deprecated in favor of the CFFILE. prefix.

- CFFILE.AttemptedServerFile
- CFFILE.ClientDirectory
- CFFILE.ClientFile
- CFFILE.ClientFileExt
- CFFILE.ClientFileName
- CFFILE.ContentSubType
- CFFILE.ContentType
- CFFILE.DateLastAccessed
- CFFILE.FileExisted
- CFFILE.FileSize
- CFFILE.FileWasAppended
- CFFILE.FileWasOverwritten
- CFFILE.FileWasRenamed
- CFFILE.FileWasSaved
- CFFILE.OldFileSize
- CFFILE.ServerDirectory
- CFFILE.ServerFile
- CFFILE.ServerFileExt
- CFFILE.ServerFileName
- CFFILE.TimeCreated
- CFFILE.TimeLastModified

## CFFTP error variables

When you use the CFFTP STOPONERROR attribute, three variables are populated.

- CFFTP.Succeeded
- CFFTP.ErrorCode
- CFFTP.ErrorText



## CFHTTP variables

CFHTTP GET operations can return text and binary files. Files are downloaded and the contents stored in a variable or file, depending on the MIME type.

`CFHTTP.FileContent`

`CFHTTP.MimeType`

## CFLDAP variables

CFLDAP returns information about the LDAP query:

`queryname.CurrentRow`

`queryname.RecordCount`

`queryname.ColumnList`

## CFPOP variables

CFPOP returns the following result columns, depending on the value of the ACTION attribute and the use of other attributes like ATTACHMENTPATH. *Queryname* is the value of the NAME attribute used in the CFPOP operation.

`queryname.Date`

`queryname.From`

`queryname.Body`

`queryname.Header`

`queryname.MessageNumber`

`queryname.ReplyTo`

`queryname.Subject`

`queryname.CC`

`queryname.To`

`queryname.CurrentRow`

`queryname.RecordCount`

`queryname.ColumnList`

`queryname.Attachments`

`queryname.AttachmentFiles`

## CFQUERY and CFSTOREDPROC variables

In addition to returning data from a ColdFusion data source, the CFQUERY tag also returns information about the query:

`CFQUERY.ExecutionTime`

CFQUERY also uses the name of the query to scope data about the query:

`queryname.CurrentRow`

`queryname.RecordCount`

`queryname.ColumnList`

The CFSTOREDPROC tag also returns:

`CFSTOREDPROC.ExecutionTime`

`CFSTOREDPROC.StatusCode`

## CFREGISTRY variables

The CFREGISTRY tag returns a record set you can reference. *Queryname* is the value of the NAME attribute used in the CFREGISTRY operation.

- queryname*.Entry
- queryname*.Type
- queryname*.Value

## CFSEARCH variables

Every CFSEARCH operation returns the following variables. *Searchname* is the value of the NAME attribute used in the CFSEARCH operation.

- searchname*.URL
- searchname*.Key
- searchname*.Title
- searchname*.Score
- searchname*.Custom1 and Custom2
- searchname*.Summary
- searchname*.RecordCount
- searchname*.CurrentRow
- searchname*.RecordsSearched
- searchname*.ColumnList

# Standard CGI Variables

This is a list of CGI 1.1 variables many Web servers create when a CGI script is called. Not all are available with every Web server.

## Request

- CGI.AUTH\_TYPE
- CGI.CONTENT\_LENGTH
- CGI.CONTENT\_TYPE
- CGI.PATH\_INFO
- CGI.PATH\_TRANSLATED
- CGI.QUERY\_STRING
- CGI.REMOTE\_ADDR
- CGI.REMOTE\_HOST
- CGI.REMOTE\_USER
- CGI.REQUEST\_METHOD
- CGI.SCRIPT\_NAME

## Server

- CGI.GATEWAY\_INTERFACE
- CGI.SERVER\_NAME
- CGI.SERVER\_PORT
- CGI.SERVER\_PROTOCOL
- CGI.SERVER\_SOFTWARE

## Client

- CGI.HTTP\_ACCEPT
- CGI.HTTP\_USER\_AGENT

# ColdFusion Studio Keyboard Shortcuts

Studio offers a full set of keyboard commands for file management and document editing. You can change shortcut keys and add new ones by opening the Options > Customize dialog and selecting the Keyboard Shortcuts tab.

## File and Document Keyboard Commands:

Command	Key
File > Open	Ctrl+O
File > Close	Ctrl+W
File > Close All	Shift+Ctrl+W
File > New	Ctrl+N
File > Save	Ctrl+S
File > Save As	Shift+Ctrl+S
File > Print	Ctrl+P
Edit > Cut	Ctrl+X
Edit > Copy	Ctrl+C
Edit > Paste	Ctrl+V
Edit > Undo	Ctrl+Z
Edit > Redo	Shift+Ctrl+Z
Delete Line	Ctrl+Y
Delete to end of line	Ctrl+Del
Delete previous word	Ctrl+Backspace
Edit > Select All	Ctrl+A
Edit > Goto line	Ctrl+G
Goto previous start tag	Ctrl+[
Goto next start tag	Ctrl+]
Edit current tag	Ctrl+F4
Edit > Set Bookmark	Ctrl+K
Edit > Goto Next Bookmark	Shift+Ctrl+K
Insert expanded code or open templates list	Ctrl+J
Edit > Indent	Shift+Ctrl+.
Edit > Unindent	Shift+Ctrl+,
Search > Find	Ctrl+F
Search > Replace	Ctrl+R
Search > Find Next	F3
Search > Extended Find	Shift+Ctrl+F
Search > Extended Replace	Shift+Ctrl+R
Find matching tag	Ctrl+M

Command	Key
Tools > Open Tag Chooser	Ctrl+E
Tools > Spell Check	F7
Spell check all	Shift+F7
Tools > Mark Spelling Errors	Ctrl+F7
Tools > Validate Document	Shift+F6
Tools > Validate Current Tag	F6
View > Full Screen	F10
View > Resources Tab	F9
Goto previous document	Shift+Ctrl+Tab
Goto next document	Ctrl+Tab
Open current document in external browser	F11
Open current document in DreamWeaver	Ctrl+D
Toggle browse mode	F12
Open Tag Inspector	F4
Toggle > Special Characters	Shift+Ctrl+X
Toggle Tag Insight	Shift+F2
Toggle Tag Tips	F2
Toggle QuickBar	Ctrl+H
Toggle Results pane	Shift+Ctrl+L
Options > Settings	F8
Options > Customize	Shift+F8
Open Anchor dialog	Shift+Ctrl+A
Insert Bold tag	Ctrl+B
Insert BR tag	Shift+Ctrl+B
Insert BR tag and new line	Ctrl+Enter
Insert Center tag	Ctrl+Q
Insert Comment tag	Shift+Ctrl+M
Open IMG dialog	Shift+Ctrl+I
Insert Italic tag	Ctrl+I
Insert non-breaking space	Shift+Ctrl+Space
Insert Paragraph tag	Shift+Ctrl+P
Insert Underline tag	Ctrl+U
Insert Start brackets <>	Ctrl+,
Insert End bracket </>	Ctrl+.

## Debugger Keyboard Commands

Command	Key
Start/Continue	Ctrl + F5
Start - No debugging	Ctrl + Alt + F5
End	Alt + F5
Restart	Ctrl + Shift + F5
Step Into	Ctrl + F8
Step Over	Ctrl + F9
Run To Cursor	Ctrl + F11
Variables	Alt + Q
Watches	Alt + W
Recordsets	Alt + R
Stack	Alt + K
Output	Alt + P
Breakpoints	ALT + B
Toggle Breakpoint	Alt + X
Clear All Breakpoints	Alt + F6
Debug Settings	Alt + Y
Development Mappings	Alt + M