CFX_ValidEmail - Tag Reference

07 - August - 2004 build 1.0.4

CFX_ValidEmail - Introduction

CFX_ValidEmail is a high performance tag to rapidly validate large amounts of e-mail addresses in a bulk process. It imports a list of e-mail addresses in a query and parses them all against a regular expression. Optionally, an MX lookup can be performed against the domain part of the e-mail and an SMTP VRFY can be performed against the resultant mail servers.

CFX_ValidEmail – Syntax

```
<CFX_ValidEmail
QUERY="addresses"
COLUMN="columnname"
NAME="resultsquery"
REGEX="optionalregex"
NAMESERVER="dnsserver"
TIMEOUT="seconds"
MXTIMEOUT="seconds"
SMTPTIMEOUT="seconds"
FROMADDRESS="emailaddress"
MXLOOKUP
USEMXCACHE
USESMTPCHK
CLEARMXCACHE
LOGTOFILE="filename"
DEBUG>
```

QUERY

Required. Specify the full path of the file you wish to read.

COLUMN

Required. Specify column in the query that contains e-mail addresses.

NAME

Optional. Specifies the first line to read from in the file.

REGEX

Optional. Use this to optionally override the internal regular expression with your own.

NAMESERVER

Optional. Sets the nameserver to use for MX lookups. (Required when MXLOOKUP is set).

TIMEOUT

Deprecated. Sets the timeout on SMTP socket operations. Defaults to 30 seconds.

MXTIMEOUT

Optional. Sets the timeout on DNS socket operations. Defaults to 30 seconds.

SMTPTIMEOUT

Optional. Sets the timeout on SMTP socket operations. Defaults to 30 seconds. This attribute will override anything set in the deprecated TIMEOUT attribute.

FROMADDRESS

Optional. Specify the from address to use when performing an SMTP VRFY on an e-mail address.

MXLOOKUP

Optional. Turn on domain lookups to check to see if the domain can receive e-mail.

USEMXCACHE

Optional. Uses an in memory cache to speed up the MX lookup process when checking e-mail addresses in bulk. The cache is written to file when the tag completes and is then loaded back into the tag when it is called again.

USESMTPCHK

Optional. Configures the tag to connect to the target SMTP server for a particular e-mail address and attempts a MAIL FROM: and RCPT TO: conversation with the target server. PLEASE NOTE: This can be a performance killer!!!

CLEARMXCACHE

Optional. Clears the MX Cache data file that is saved to disk when using USEMXCACHE.

LOGTOFILE

Optional. Sets the filename which the tag should log all operations to.

DEBUG

Optional. Outputs the debug information from the tag to the browser.

CFX_ValidEmail - Query Variables

Passing the addresses to CFX_ValidEmail

CFX_ValidEmail accepts a query from Cold Fusion that must have a column name as specified in the column attribute of the tag. The column attribute must specify the column in the query that contains e-mail addresses.

Passing the results back to Cold Fusion

The following table describes the variables that are returned by CFX_ValidEmail.

CFX_ValidEmail Query Variables	
Variable Names	**Description**
queryname.RecordCount	The total number of records returned by the query.
queryname.CurrentRow	The current row of the query being processed by CFOUTPUT
queryname.ColumnList	The list of column names in the query.

CFX_ValidEmail Query Columns		
Column Name	**Conditions of appearance**	**Response values**
Queryname.address	Always present	e-mail address
Queryname.MXLookup	Only when MXLookup is on	YES/NO/NC
Queryname.RegExpCheck	Always present	YES/NO
Queryname.SMTPResponse	Only when USESMTPCHK is on	String
Queryname.SMTPCHK	Only when USESMTPCHK is on	YES/NO/NC

CFX_ValidEmail - Variables

The following table describes the variables that are returned by CFX_ValidEmail.

CFX_ValidEmail Variables	
Variable Names	**Description**
CFX_ValidEmail.*ExecutionTime*	Cumulative time required to process the query in milliseconds

CFX_ValidEmail – Support

Contact details

Support is available through the following channels.

mailto:support@newmediadevelopment.net

http://store.newmediadevelopment.net/contact.cfm

Testing

CFX_ValidEmail has been tested using Cold Fusion 5 and CFMX 6.1 on Windows 2000 Advanced Server SP3 and Windows 2003 for Web-servers respectively. Both Apache 1.3/2.x, and IIS5 and 6 server installations along with the CFMX standalone server installations have been used for testing.

CFX_ValidEmail – Updates

The latest version of CFX_ValidEmail is available for download from the URL below.

http://store.newmediadevelopemnt.net/cfdevelopment.cfm

CFX_ValidEmail - Change log

07 – Aug – 2004 (build 1.0.4)

Fixed a minor bug where the SMTPRESPONSE field was not being reset if the following e-mail address is invalid.

08 – Jul – 2004 (build 1.0.3)

Fixed a bug where the timeouts were not being used. Added MXTimeout and SMTPTimeout to split out the timeout functions for the two distinct parts of the tag. The original Timeout attribute is deprecated but is currently used as the SMTPTimeout if SMTPTimeout is not configured.

28 – Jun – 2004 (build 1.0.2)

Altered tag to use MAIL FROM:, RCPT TO: rather than VRFY: in order to increase the accuracy of the tag when verifying an e-mail address. The accuracy of this technique can only be surpassed by actually sending an e-mail.

23 – Jun – 2004 (build 1.0.1)

Tweaked tag operation and made attribute checking robust. Wrote documentation.

04 – Jan – 2004 (build 1.0.0)

Initial build.

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CFX_ValidEmail is not intended for, and by installing you agree that it will not be used in, life support systems, human implantation, space level products, military products, nuclear facilities or systems or any other application where product failure could lead to loss of life or catastrophic property damage.

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INDEMNITY

You agree to defend, indemnify and hold us and our affiliates, and their respective directors, officers, employees and agents, harmless from and against any and all liabilities, costs and expenses, including reasonable legal fees, arising from or in any way relating to your use of CFX_ValidEmail.

MODIFICATION

We reserve the right to modify the technical specifications of CFX_ValidEmail from time to time at our discretion. We may need to update these terms and conditions from time to time because of, for example, a change in the law, obligations imposed on us by third parties or technology evolution or change.

TERMINATION

Termination of this agreement can be carried out at any time by the cessation of use and removal of CFX_ValidEmail from all your equipment. We reserve the right to cancel this agreement at any time.

INSTALLATION OF CFX_ValidEmail SIGNIFIES YOUR CONFIRMATION THAT YOU HAVE READ AND ACCEPTED THE TERMS AND CONDITIONS AS SET OUT HEREIN.

CFX_ValidEmail – Third party software

CFX_ ValidEmail contains software from third parties to achieve particular functionality.

CFX API integration unit for Delphi provided by Leonid Fofanov used under licence.
http://www.mycgiserver.com/~Leonidius/cfxd/cfxd.htm