Built In References - Strings

boolean	Converts string to boolean (true, false)
cap_first	Capitalizes first word of string
capitalize	Capitalizes every word in string properly
chop_line-break	Removes line-break from end of string
contains (substring)	Checks if string contains substring
date, time, datetime	Converts string to date/time/datetime based on *_format
ends_with (substring)	Checks if string ends with substring
ensure_ends_with (substring)	Returns string with substring appended if not already there
ensure_starts_with (substring)	Same as ensure_ends_with, but prepended
groups[x]	Returns the returns the regex group from the matches method if it exists
html	Returns the string with html characters parsed to ampersand codes
index_of (substring)	Returns the index of the requested substring in string
j_string	Escapes the string for Java String Literals

Built In References - Strings (cont)

js_string	Escapes the string for Javascript String Literals
json_string	Escapes the string for JSON String Literals
keep_after (substring, flags="")	Returns all text after substring, not including substring
keep_before (substring, flags="")	Returns all text before substring, not including substring
last_index_of (substring)	Returns the index of the last occurance of substring
left_pad (x, seperator="")	Returns the string with [seperator] prepended up to a maximum length
length	The number of characters in the string
lower_case	Returns string in all lower case
matches	Regex Pattern checker
number	The string as a number
replace (substring, replace)	Returns all occurances of substring with replace
right_pad (x, seperator="")	Same as left_pad, but appended instead
remove_beginning (substring)	Returns string with substring removed from the beginning

Built In References - Strings (cont)

remove_ending	Same as remove_beginning, except fromt he ending
rtf	Rich Text Format
split (substring)	Split a string at each substring
starts_with	Same as ends_with, but for string beginning
string	Takes a multi-value variable and returns just the string parts
substring	Depricated, use string[x..y]
trim	Removes leading and trailing whitespace
uncap_first	The opposite of cap_first
upper_case	Opposite of lower_case
url	URL Character escaping
url_path	Same as url but doesn't escape slashes
word_list	Returns a sequence of all words in a string
xhtml	Same as html, but for xhtml escaping
xml	Same as hxtml, but difference code for '

Built In References - Numbers

abs	Absolute Value
c	Num to String without formatting
is_infinite	True if number is floating point infinite
is_nan	True if number is NaN

Built In References - Numbers (cont)

round, floor, ceiling	Rounds to closest, lowest, and highest, respectively
string.format	Num to String with optional formatting (format can be number, currency, percent, or computer)

Built In References - Date/time/date-time

date	Returns date only from a datetime value (Only use if variable is problematic)
time	Returns time only from a datetime value (Only use if variable is problematic)
datetime	Returns date and time from a datetime value (Only use if variable is problematic)
(date/time/datetime)_if_unknown	Marks a date-like value with specified missing subtype
iso_...	Converts date-like value to specified iso format. Depricated in favour of _format settings
string.format	Converts date-like object to string. See freemarker manual for formats

Built In References - Booleans

c	Boolean to String for computer languages
string-("string1", "string2")	Boolean to String with human-readable flags. Provided as "string1" for true and "string2" for false

Built In References - Sequences

chunk(x, filler=null)	Splits sequence into multiple sequences of size x. Last chunk
first	Returns the first element of the sequence
join(seperator)	Concatonates sequence elements with seperator in between
last	Returns the last element in the sequence
reverse	Returns the sequence in reverse order
seq_contains(needle)	Returns true if the squence contains needle
seq_index_of(needle)	Same as contains, but returns the index of the first element
seq_last_index_of(needle)	
size	
sort	
sort_by	

Built In References - Nodes (XML)

ancestors-(name)	Returns a sequence of nodes ancestors. Starts with immediate parent and ends with root. Should be filtered with name
children	Returns a sequence of all child nodes
node_name	Returns the node name (directive invoked when node is "visited")
node_namespace	Returns namespace string of node
node_type	Returns a string with the node type
parent	Returns the immediate parent node
root	Returns the root node

Common Flags

i	Case Insensitive (eg. x==X)
f	First Only (Only apply to first occurance)
r	Substring is regex
m	Multi-line mode for regex
s	Enables dot-all mode for regex (. is wildcard)
c	Allows whitespace and comments in regex

Built In References - Hashes

Keys	A sequence with all the hash keys
Values	A sequence with all the hash values

Rarely Used Built-Ins

byte, double, float, int, long, short	Converts numbers to other types of numbers
eval	Evaluate a string as an FTL expression
has_content	Returns true if variable exists and isn't empty, false otherwise
interpret	Returns the value of a string interpreted as FTL code. Sort of like a function
is_...[type]	Checks if variable is of type [type]. See docs for full list
namespace	Returns macro or function namespace, if any
new	Creates a variable of type class. Usage is var = "FQDN"?new(options)
number_to_[date/time/datetime]	Converts a number to date/time/datetime, using the number of seconds since epoch

Template Language Quick Reference

assign name=value [in namespacehash]	Creates a variable called name
attempt/recover	try/catch

Template Language Quick Reference (cont)

compress	Removes all but one newline character between lines
escape x as x? [escape type]	<pre> tag for freemarker code
flush	Forces generated output to be written. 99% of the time is not neccessary
ftl	Tells programs that file is an ftl file. Takes optional parameters found on the docs page
function/return	Similar to a macro, except returns a specific value as denoted by return
global	Makes a global variable. Variable will be exposed as if at data-model level
if/elseif/else	Creates an if/elseif/else block
import path as hash	Imports the library at location path for use in the current ftl file
include path	Includes the file at location path for use in current document
list sequence as item	foreach loop

Template Language Quick Reference (cont)

local	Like assign, but creates local variables within macros or functions
macro/nested/return	Macro outputs a block of user-defined code which wraps nested (optionally, otherwise just outputs the code). return works as a break
noparse	<pre> tag for ftl
nt	No trim. Disables whitespace stripping
setting name=value	Modifies parse settings. View full list in the docs page
stop [reason]	Per ftl docs: an emergency brake. Don't use in normal situations. Returns reason if set
switch/case/default/break	A regular switch block
t, lt, rt	Trim, left trim, right trim. Ignores whitespace based on tag position used
visit/recurse/fallback	Used for parsing trees, usually XML. See the ftl docs for full info