

Task Factory Functions List T-Z

Last Modified on 02 October 2020

🔔 Task Factory users running version 2020.1.4 or older (released prior to May 27, 2020): **There's an important Task Factory update.** Please visit [here](#) for more details.

Tan

Description	Returns the tangent of the specified angle.	
Syntax	Tan(Numeric_Value)	
Returns	Numeric	
Parameters		
Name	Optional	Description
Numeric_Value	false	Passes the values for which you want to the tangent of
Examples		
Tan(55)		

Tanh

Description	Returns the hyperbolic tangent of the specified angle.	
Syntax	Tanh(Numeric_Value)	
Returns	Numeric	
Parameters		
Name	Optional	Description
Numeric_Value	false	Passes the values for which you want to the tangent of

Examples

Tanh(55)

Tanh

ToBigint

Description

Converts a value to a big int (Int64)

Syntax

ToBigint(Value)

Returns

Int64 value

Parameters

Name

Optional

Description

Value

false

The value to convert.

Examples

ToBigint(32), To_Big_Int(89090989)

ToChar

Description

Converts a value to a string with optional formatting for date values

Syntax

ToChar(Value [, Format])

Returns

String value

Parameters

Name

Optional

Description

Value

false

The value to convert.

Format

false

The formatting that will applied when the date value is converted. This is the equivalent of calling DateTime.ToString().

Examples

ToChar(32000), ToChar(Now(), "yyyy/MM/dd")**ToChar**

ToDate

Description	Converts a string value to a date with optional formatting	
Syntax	ToDate(Value [, Format])	
Returns	String value	
Parameters		
Name	Optional	Description
Value	false	The value to convert.
Format	false	The formatting that will applied when the date value is converted. This is the equivalent of calling DateTime.ToString().
Examples		
ToDate("07/07/2012"), ToDate(Now(), "yyyy/MM/dd")		

Parameters

Examples

Today

Examples

Today()

ToDecimal

Description	Converts a value to a decimal value.	
Syntax	ToDecimal(Value [, Scale])	
Returns	Decimal	
Parameters		
Name	Optional	Description
Value	false	The value to convert.
Scale	false	The scale used to convert the decimal value.
Examples		
ToDecimal("1234.78"), ToDecimal("45876.765", 2)		

ToFloat

Description	Converts a value to a float value.	
Syntax	ToFloat(Value)	
Returns	Float	
Parameters		
Name	Optional	Description
Value	false	The value to convert.
Examples		
ToFloat("1234.78")		

ToInteger

Description	Converts a value to an integer value.	
Syntax	ToInteger(Value)	
Returns	Integer. Any decimal values will be rounded.	
Parameters		
Name	Optional	Description
Value	false	The value to convert.
Examples		
ToInteger("1234.78")		

Token

Description	Splits a string based on a delimiter.	
Syntax	Token(Input_String, Delimiter, occurrence)	
Returns	String. If the input_string or delimiter is NULL, the function returns NULL.	
Parameters		
Name	Optional	Description
Input_String	false	A string value that will be searched.
Delimiter	false	A delimiter to be used to split the value of Input_String.
Occurrence	false	The occurrence that will be returned after the string has been split.
Examples		

Token("400 College Dr|Middleburg|FL"|", 2) returns "Middleburg"

Token

TokenCount

Description	Gets the number of times a token occurs in a string.	
Syntax	TokenCount(Input_String, Token)	
Returns	Integer. If the input_string or token is NULL, the function returns NULL.	
Parameters		
Name	Optional	Description
Input_String	false	A string value that will be searched by the token value.
Token	false	A string expression to be located in Input_String.
Examples		
TokenCount("Sentry~44~One~55~Inc", "~")		

Trim

Description	Removes blanks or characters from the beginning and end of a string.	
Syntax	Trim(String [, Trim_Set])	
Returns	String. The string values with the specified characters in the trim_set argument removed. NULL if a value passed to the function is NULL. If the trim_set is NULL, the function returns NULL.	
Parameters		
Name	Optional	Description
String	false	Any string value. Passes the strings you want to modify. You can enter any valid task editor. Use operators to perform comparisons or

	<h2>Trim</h2>	concatenate strings before removing characters from the beginning of a string.
Trim_Set	true	Any string value. Passes the characters you want to remove from the beginning of the first string. You can enter any valid task editor. You can also enter a character string. However, you must enclose the characters you want to remove from the beginning of the string within single quotation marks, for example, 'abc'. If you omit the second string, the function removes any blanks from the beginning and end of the string. Trim is case sensitive. For example, if you want to remove the 'A' character from the string 'Alfredo', you would enter 'A', not 'a'.
Examples		
Trim(" SentryOne "), Trim(CompanyNameColumn), Trim("----SentryOne", "-")		

<h2>Trunc(Date)</h2>		
Description	Truncates date to a specific year, month, day, hour, minute, second, millisecond, or microsecond.	
Syntax	Trunc(Date [, Format])	
Returns	Date.	
Parameters		
Name	Optional	Description
Date	false	The value to add to the aggregation
		Anything after this part will be reset to default value. e.g. if you pass HH then anything after Hour (e.g. Minute, Second, Milliseconds) will be reset to 0. Valid format specifiers Year = "Y", "YY",

Format	true Trunc(Date)	"YYY", "YYYY" Day = "D", "DD", "DDD", "DY", "DAY" Month = "M", "MM", "MON", "MONTH" Hour = "H", "HH", "HH12", "HH24" Minute = "MI" Second = "S", "SS" Millisecond = "MS" Microsecond = "US"
value	false	new value for specified date part.
Examples		
SetDatePart(Now(),"D", 1)		

Trunc(Number)		
Description	Truncates specified decimal places from numeric value.	
Syntax	Trunc(Number [, Precision])	
Returns	Number.	
Parameters		
Name	Optional	Description
Number	false	The number you want to truncate
Precision	true	Number of decimal places to keep. If you pass 0 then all digits after decimal point will be truncated. If you pass -ve precision number then it will truncate digits before decimal point.
Examples		
Trunc(567.7789,2) --> 567.7700 Trunc(567.7789) --> 567.0000 Trunc(567.7789,-2) --> 500.0000		

TryEval

Description	Returns defaultvalue if supplied expression fails to execute. This function help to continue execution on error and it behaves like Try..Catch construct provided in other programming languages such as VB.net/C#.	
Syntax	TryEval(expression, defaultvalue [, logerrors])	
Returns	Returns result of main expression if succueed else returns defaultvalue.	
Parameters		
Name	Optional	Description
expression	false	Any valid expression (without compiler error). E.g. MyCol/0 is valid expression but produce "Divide By Zero" error at runtime.
defaultvalue	false	Any valid expression or value which can be returned when main expression fails.
logerrors	true	Boolean value indicating whether error message should be logged or not. If this argument is True (which is default setting) then error messages will appear in you ssis package execution log as Information icon [e.g. <> some error occurred].
Examples		
TryEval(TO_CHAR("1")/TO_CHAR("0"), -999) -- Returns -999 becuase TO_CHAR("1")/TO_CHAR("0") fails with DivideByZero error TryEval(TO_DATE("55/12/1231","MM/DD/YYYY"), GETDATE()) -- Returns today's date if date parsing fails		

Upper

Description	Converts lowercase string characters to uppercase.
Syntax	UPPER(String)

Returns	Uppercase string. If the data contains multibyte characters, the return value depends on the code page and data movement mode of the Integration Service. NULL if a value passed to the function is NULL.	
Parameters		
Name	Optional	Description
String	false	String datatype. Passes the values you want to change to uppercase text. You can enter any valid task editor.
Examples		
Upper("this will be uppercase now"), IIF(Upper(FirstNameColumn) = "CHRIS", 1, 0)		

<h2>WeekOfYear</h2>		
Description	Returns the week number of the year of the date specified.	
Syntax	WeekOfYear(Date)	
Returns	returns integer value of 1 - 52	
Parameters		
Name	Optional	Description
Date	false	Date to retrieve week of year from
Examples		
WeekOfYear("12/8/2011"), WeekOfYear(varDate), WeekOfYear(OrderDateColumn)		

<h2>Year</h2>		
Description	Returns the Year from the date specified.	
Syntax	Year(Date)	

Returns	returns integer value of year	
Parameters	Year	
Name	Optional	Description
Date	false	Date to retrieve Year from
Examples		
Year("12/8/2011"),Year(varDate), Year(OrderDateColumn)		