

Script Math Function

Overview

This article describes the ConnectWise Automate[®] Script Math script function. The Script Math function perforbasic math on the values entered in the Values parameters and stores the result in %MATHResult% and the named variable. This function runs on the service.

Script Math

- Parameters

 Water First numeric value to use. A variable can be entered with or without the @

 Operation. Existed the operate from the drop-down. Available captors are: -1.11, div. mod, pow, abb,

 Water Spoot numeric value to use A valued can be entered with or the @ (bits does not need a second value).

 Valued: Exort numeric value to use A valued can be entered with or the @ (bits does not need a second value).

Example #1A: Addition of two constants Parameters:

Using the function example in a new or existing script. Example
1. From a new or existing script, right-dicks a line in the Then or E
Sorigh Step window.
2. Select Sorigh with from the Function drop-down.
3. Enter @iliputdlig into the Value field.
4. Select 4 from the Operation drop-down.
5. Enter @iliputdlig into the Value field.
6. Enter Outputd in the Variable field.
7. Click Sews Step to save this step and close the window. Value: 7
Operator: +
Value: 5
Variable: Output1
Jsing the Function Example in a New or Existing Script The second secon From a new or existing script, right-click a line in the Then or Els Script Step window. Script Step window.

Select Script Math from the Function drop-down.

Enter 7 into the Value field.

Select + from the Operator drop-down.

Enter 5 into the Value field.

Enter Cutput linto the Value field.

C. Enter Cutput linto the Value field.

C. Click Saw Step to sawe this step and close the window. Example #1C: Unary addition. This example assumes you husing the Variable Set function.

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Parameters:

- Value: @Input3@
- various: 1 Variable: @input3@ g the Function Example in a New or Existing Script: Example 2C
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 1. Firma new or existing script, right-click a line in the Then or Else sectio Script Step window.

 2. Select Script Math from the Function drop-down.

 3. Enter glimpst (g) into the Value field.

 5. Either I into the Value field.

 5. Enter I into the Value field.



Value: @lrput1@
Operator:
Value: @lrput2@
Variable: Output2
Jaing the Function Example In a New or Existing Script: Example 4B

From a new or existing script, right-click a line in the Then or Else section Script Step window.

From a nor or existing sorpt, regist cities a line in the The Serger Billips window.

Send Slopp Matth from the Function drop down.

Exerc Slopp and in the Value field.

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Example #4C: Unary division. This function example assurparameter of 7 using the Variable Set function.

Parameters:

Script Step window.

Select Script Math from the Function drop-down.

Enter @Input3@ into the Value field.

Select \ from the Operator drop-down.

From a new or existing script, right-click a line in the Then or Else section, sele Script Step window.

Value: @input3@
Operator: \
Value: 2
Variable: Input3

Value: 7
Operator: *
Value: 5
Variable: Output1
Using the Function Example in a New or Existing Script: Example 3A



- From a new or existing script, right-click a line in the Then or Else script flap window.

 Select Script Math from the Function drop-down.

 Enter @Input1@ into the Value field.

Example #3: Example of the multiplication operator (*). Returns the product of the two values

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Value:@Input1@
 Operator: +
 Value:@Input2@
 Variable: Output2
Jsing the function example in a new or existing script: Example 1B

Example #1B: Addition of Parameters:

- Using the Function Example in a New or Estimp Script. Example 3A

 From a near or entire pools, right-clus a line in the Then or Eles section, select
 Script Belg window.

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 Clinical Section 15 to save this step and close the window.

- Value: @Input1@
 Operator:
 Value: @Input2@
 Variable: Output2
 Using the Function Example in a New or Existing Script: Example 3B

5. Enter 2 into the Value field. 6. Enter legach froit he Variable field. 7. Click Saw Siles is user this step and close the window Example of the integer division operator (div

- owing our mission insurings in a new of because garage. Learnings and III Figure association good in the Third not of Education select Add to open the Edit 2. Select Bodget Marin from the Function drop-down.

 2. Select Bodget Marin from the Function drop-down.

 2. Enter or time the Value field.

 4. Select did from the Operated rop-down.

 5. Enter for the Taylar field.

 6. Enter for the Variable field.

 6. Enter for the Variable field.

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- Example #5B: Integer division of two variables Parameters:

- Value: @Input1@
 Operator: dv
 Value: @Input2@
 Value: @Input2@
 Variable: Output2

 Jsing the Function Example in a New or Existing Script: Example 5B

From a new or existing script, right-click a line in the Then or Else section, select Add to open the Edit Script Step window.

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Example #5C: Unary integer division. This function example and the Variable Set function.

4. Select - from the Operator drop-down.
5. Enter 5 into the Value field.
6. Enter Output! into the Variable field.
7. Click Save Step to save this step and close the window.

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Example #2B: Subtraction of two variables Parameters:

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Example #4: Example of the division operator (1). second value.

Value: 7
Operator: \
Value: 5
Value: \
Value: \
Variable: Output1
Jsing the Function Example In a New or Existing Script: Example 4A

Using the Function Example in a New or Existing Script: Example 4.4

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Example #4A: Division of two constants Parameters:

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Value: @input1@

Operator:
Value: @input2@

Variable: Output2

Using the Function Example in a New or Existing Script: Example 2B

From a new or existing script, right-click a line in the Then or Else section,
 Script Step window.
 Select Script Math from the Function drop-down.
 Enter @ijnput@ into the Value Ind.
 Select - from the Operator drop-down.

Example #6: Examples of the modulus division operator the first value divided by the second value.

From a new or existing script, right-click a line in the Then or Elss Script Step window.

Select Script Math from the Function drop-down.

 S. Enter 7 Into the Value field.
 Select mod from the Operator drop-down.
 Enter 5 Into the Value field.
 Click Save Step to save this step and close the window of the Value field.
 Click Save Step to save this step and close the window of the Value field.

Example #6B: Module operation using two variables Parameters;

- In From a new or existing script, right click a line in the Then or Else section, 1 Soriely State window. Seek of the Committee of the Commit

Services Ser Example #7: Example of the exponential operator second value. Example #7A: Power ope Parameters:

Value: 7
Operator: pow
Value: 5
Variable: Cutput1
Using the Function Example in a New or Existing Script: Example 7A

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 Click Seed Strip Bay to see this step and close the window.



Example #7B: Power operation using two constants Parameters:

- Value: @Input1@ Operator: pow Value: @Input2@ Variable: Output2 Jsing the Function Exam
- From a new or existing script, right-click a line in the Then or Else section Script Step window.
- Script Step window.

 2. Select Script Math from the Function drop-down.

 3. Enter @input1@ into the Value field.

 4. Select pow from the Operator drop-down.

 5. Enter @input2@ into the Variable field.

 6. Enter Output2 into the Variable field.
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- Value: @inputSig
 Operator: pow
 Value: 2
 Variable: riputS
 Using the Function Example In a New or Existing Script: Example 7C
- - From a new or existing script, right-click a line in the Then or Else section.
 Script Step window.

 2. Select Script Math from the Function drop-down.

 3. Enter @input3@ into the Value field.

 4. Select pow from the Operator drop-down.

- Using the innection statement is not of extenting stript, Extening in I. From a new crising script, right-cities print in Iron Elles set Sergirl Step window.

 Send Sergirl Mah from the Function drop-down.

 3. Extre (Simplify) into the Value field.

 5. Extre (Simplify) operated drop-down.

 5. Extre 1 not to the Value field.

 6. Extre 1 not to the Value field.
- Click Save Step to save this step and close the window The state of the s

Example #2: Example of the subtraction operator (-). Returns the difference between the assumes you have created Input1 and Input2 variables using the Variable Set function.

- Value: 7
 Operator: Value: 5
 Variable: Cutput1
 Using the Function Example in a New or Existing Script: Example 2A
- From a new or existing script, right-click a line in the Then or Else Script Step window.
 Select Script Math from the Function drop-down.
 Enter 7 Into the Value field.

- Senect from the Operator orop-down.
 Enter @Input2@ into the Value field.
 Enter Output2 into the Variable field.
 Click Save Step to save this step and close the windown of the Variable field.
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- Value: @input3@
 Operation:
 Value: 2
 Variable: input3
 Using the Function Example in a New or Existing Script: Example 3C
- Using the Function Example is a New or Existing Script. Example SC
 From a new or existing script, right-cities, line in the Then or Else section,
 Script Skip sendow.

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- From a new or existing script, right-click a line in the Then or Else sec Script Step window.
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Value: 7
Operator: mod
Value: 5
Variable: Cutput1
Using the Function Example in a New or Existing Script: Example 6A

Enter Input3 into the Variable field.
 Click Save Step to save this step and close the window

7. Oct Save Step Is save his step and dose the whole save in the s

- Example #8A: Absolute value of a constant Parameters:

- Using the Function Example in a New or Esting Script; Example SA.

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- Value: @input1@
 Operation: abs
 Value:
 Variable: Output2
 Using the Function Example in a New or Existing Script: Example 88

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- Using the Function Example in a New of Esisting Script: Example IB

 From a near or existing point; right click in his This not of Teles section, select Add to open the Edit Script IBs privation.

 Select Script What from the Function drop down.

 3. Enter (Bignart B) ent to the Value field.

 4. Select also from the Operator one poton.

 5. Leave the Value field blank.

 6. Enter Output St one Value field.

 7. Click Save Step to save the step and close the window.

Example #9: Example of the maximum operator (max). Compares the two values and returns the maximum value.

Example #9A: Maximum value of two constants Parameters:

- Value: 7
 Operator: max
 Value: 5
 Variable: Output1
 Using the Function Example in a New or Existing Script: Example 9A
- Using the Function Example In a New or Existing Script: Example SA

 From a near or existing point, diplicit is a line in the Then or Elite section, select Add to open the Edit Soript Sign window.

 Select Script What from the Function drop down.

 Error from the Value field.

 Select affect on the Operator drop down.

 Error from the Value field.

 Error from the Value field.

 C. Error Codpart for the Variable field.

 C. Click Save Step to some this step and close the window.



- Value: (Stp.ort (B)
 Operator: max.
 Value: (Stp.ort (B)
 Operator: max.
 Variable: Colored:
 Variable: Colored:
 Using the Function Example in a New or Existing Sorige: Example 98
 1. First a zero or ratified poper, operator, operat



sares the two values and returns the minimum value

Parameters:

- Parameters:

 Value 7:

 Operator min

 Value 7:

 Varier 5:

 Varier 16:

 Vari



- Parameters:

- Value: @Input1@
 Operator: min
 Operator: min
 Value: @Input2@
 Variable: Output2
 Using the Function Example in a New or Existing Script: Example 108

