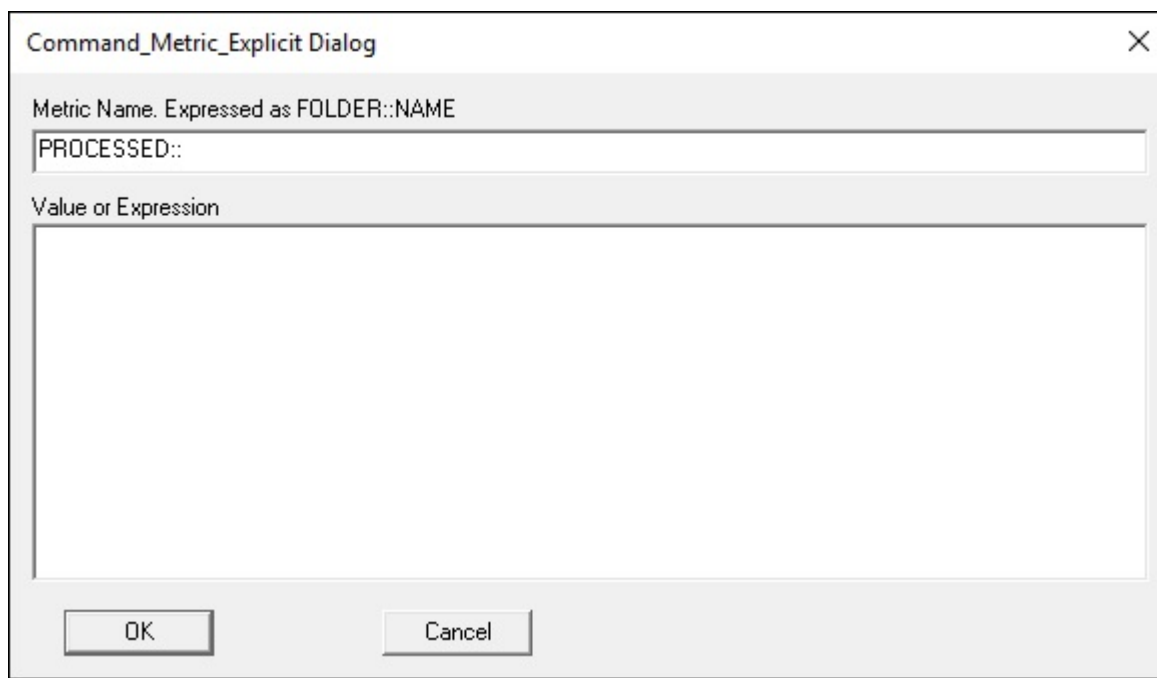


Metric Explicit

This command creates a metric signal explicitly.

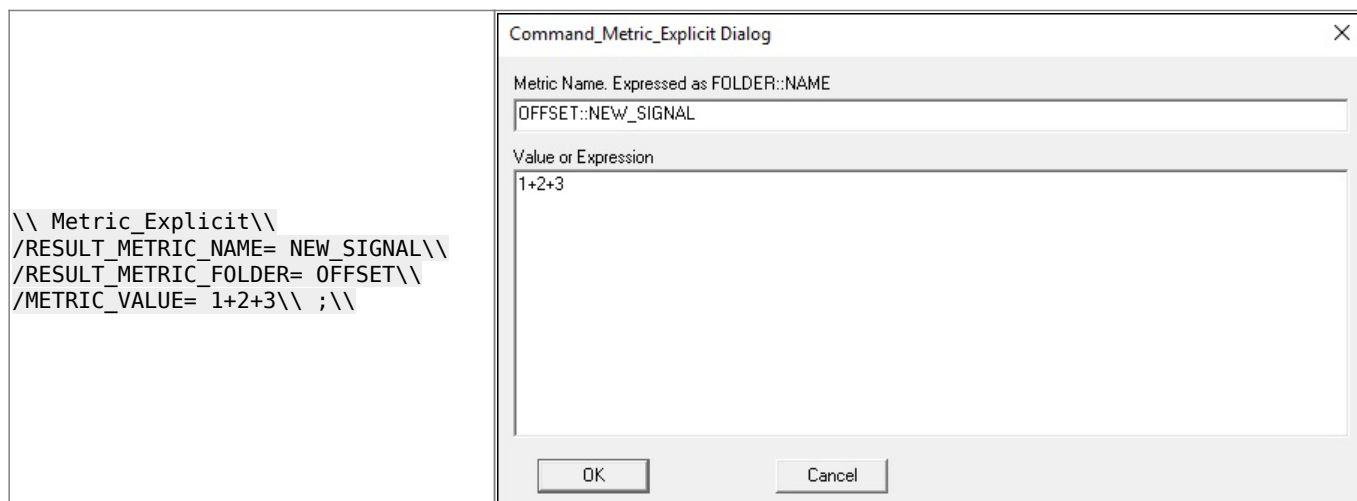
```
Metric_Explicit
/RESULT_METRIC_NAME=          Name of the resulting signal
! /RESULT_METRIC_FOLDER=PROCESSED Name of the resulting folder
/METRIC_VALUE=                Component Value(s);
```



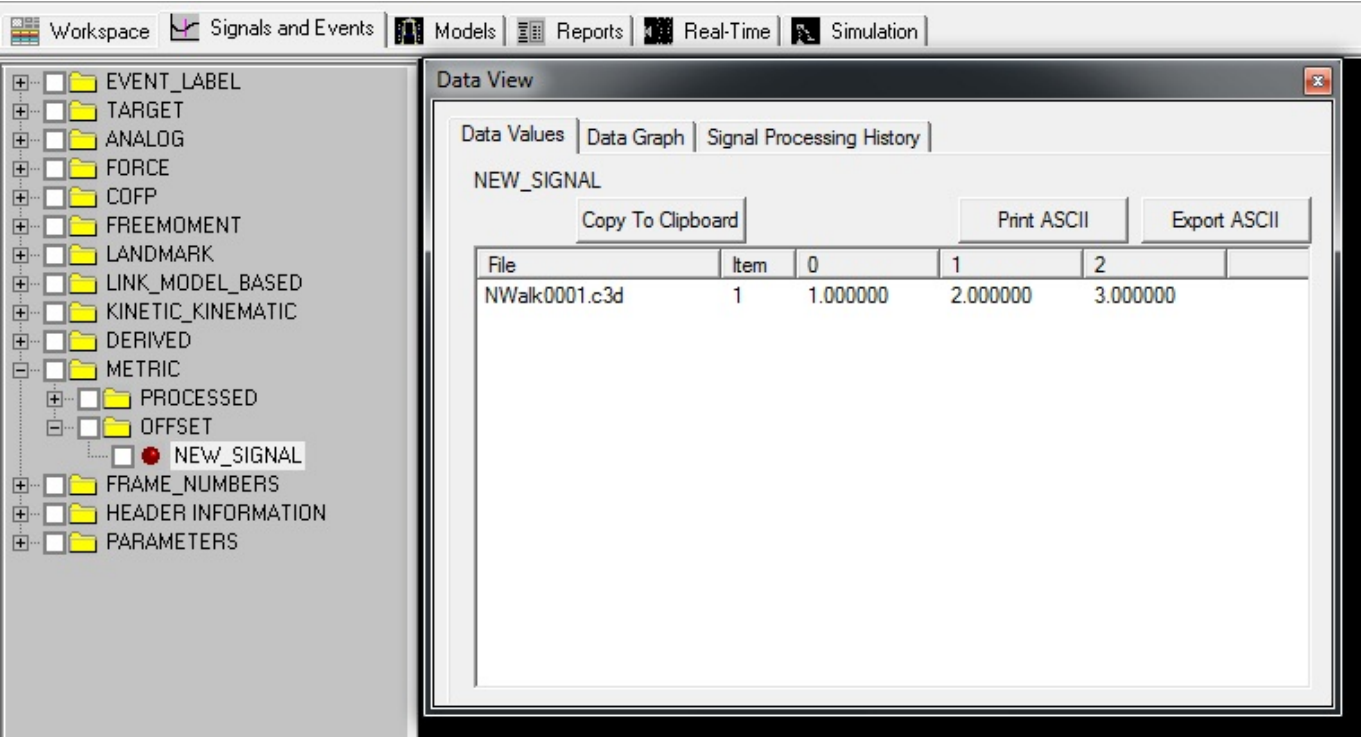
Previous versions of Visual3D labeled this command Explicit_Metric

Example

This example will create a metric signal with 3 component values of 1, 2, 3. The resulting signal will be named **NEW_SIGNAL** and be located in the **OFFSET** folder.



Result



Expressions

In early implementations of this command the values in Metric_Value were a list of components you wanted the metric explicitly set to (see example above), and expressions were not allowed.

In version 6 Metric_Value can be an expression, but this may lead to some confusion.

For example,

Metric_Explicit ! /RESULT_METRIC_FOLDER=PROCESSED /RESULT_METRIC_NAME=X /METRIC_VALUE=1 ; **Metric_Explicit** ! /RESULT_METRIC_FOLDER=PROCESSED /RESULT_METRIC_NAME=TEST /METRIC_VALUE=METRIC::PROCESSED::X+1 ; The processing results for the second command are:

Metric Name : METRIC::PROCESSED::TEST Metric Expression : VECTOR(METRIC::PROCESSED::X,1) Metric Value : 1.000000 , 1.000000 ; The second command be re-written as follows:

Metric_Explicit ! /RESULT_METRIC_FOLDER=PROCESSED /RESULT_METRIC_NAME=TEST /METRIC_VALUE=Add(METRIC::PROCESSED::X,1) ; The processing results for the third command are:

Metric Name : METRIC::PROCESSED::TEST Metric Expression : Add(METRIC::PROCESSED::X,1) Metric Value : 2.000000 ;

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