

Pipeline parameters can be created in the pipeline and used as variables in other commands in the same pipeline.

| Set_Pipeline_Parameter         |                                                                                                                                                                                                                                                                                                                                                             |     |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| /Parameter_Name=               | The name of the Pipeline Parameter. The parameter is referred to by other commands using two colons (::) in front of the parameter name                                                                                                                                                                                                                     |     |
| /Parameter_Value=              | The value of the parameter. If a "+" delimiter is used in the value, the text string is maintained so that the Pipeline parameter is interpreted as multiple values when used in a command. If a "+" delimiter is used in the value, the entries in the line are concatenated, and will be treated as a single value when they are used in another command. |     |
| /Parameter_Value_Search_For=   |                                                                                                                                                                                                                                                                                                                                                             |     |
| /Parameter_Value_Replace_With= | A string of characters that will replace the "search for" string. This can be useful if you want to replace some of the terms within an existing Global Parameter value                                                                                                                                                                                     |     |
| /Multi_Pass=                   | FALSE                                                                                                                                                                                                                                                                                                                                                       | - ; |

## Example: Set Pipeline Values via Search and Replace

This example sets pipeline parameters and new values via search and replace. The pipeline parameter **original** and the string value **replacethexxxx**, is set to the pipeline parameter **newparameter** and replaced with the string **replacethezzzz**.

```
!Set the Pipeline parameter original to the value replacethexxxx
Set_Pipeline_Parameter
/PARAMETER_NAME=original
/PARAMETER_VALUE=replacethexxxx
;

! Set the Pipeline parameter newparameter to a new value replacethezzzz by
replacing
! part of the string zzzz for xxxx
Set_Pipeline_Parameter
/PARAMETER_NAME=newparameter
/PARAMETER_VALUE=replacethexxxx
/PARAMETER_VALUE_SEARCH_FOR=xxxx
/PARAMETER_VALUE_REPLACE_WITH=zzzz
;
```

## Example: Set Pipeline Parameter Value to a String

For example, the following command creates a global parameter **SIGNALS** which contains the string **RightFoot1+RightFoot2+RightFoot3**. A low pass filter is run on the pipeline parameter **SIGNALS**.

```
Set_Pipeline_Parameter
/Parameter_Name=SIGNALS
```

```
/Parameter_Value=RightFoot1+RightFoot2+RightFoot3
;

! All three signals will be processed with low pass filter
Lowpass_Filter
/Signal_Types=ORIGINAL+ORIGINAL+ORIGINAL
/Signal_Names=:SIGNALS
;
```

## Example: Search and Replace + Sign

The plus sign typically indicates different a list of values, but sometimes a user may want to search and replace a plus sign. This is allowed if the user types \+. An example is below:

```
Set_Pipeline_Parameter
/PARAMETER_NAME=TEST
/PARAMETER_VALUE=A + B
/PARAMETER_VALUE_SEARCH_FOR=\+
/PARAMETER_VALUE_REPLACE_WITH=-
;
```

**Result: ::TEST = A - B**

```
Set_Pipeline_Parameter
/PARAMETER_NAME=TEST
/PARAMETER_VALUE= A - B
/PARAMETER_VALUE_SEARCH_FOR=-
/PARAMETER_VALUE_REPLACE_WITH=\+
;
```

**Result: ::TEST = A + B**

## Example: Set Pipeline Parameter Multi-Pass

MultiPass was introduced january 21, 2014

The resulting parameter could be a new pipeline parameter

for example, the resulting string could be ::VALUE If MultiPass were true, this should return the value of the parameter VALUE not the string ::VALUE example:

```
Set_Pipeline_Parameter
/PARAMETER_NAME=TEST
/PARAMETER_VALUE=SCOTT
! /PARAMETER_VALUE_SEARCH_FOR=
! /PARAMETER_VALUE_REPLACE_WITH=
```

```
! /PARAMETER_VALUE_PREFIX=  
! /PARAMETER_VALUE_APPEND=  
;
```

Pipeline Parameter : ::TEST = SCOTT

```
-----  
  
Set_Pipeline_Parameter  
/PARAMETER_NAME=ONE  
/PARAMETER_VALUE=KEITH  
! /PARAMETER_VALUE_SEARCH_FOR=  
! /PARAMETER_VALUE_REPLACE_WITH=  
! /PARAMETER_VALUE_PREFIX=  
! /PARAMETER_VALUE_APPEND=  
;
```

Pipeline Parameter : ::ONE = KEITH

```
-----  
  
Set_Pipeline_Parameter  
/PARAMETER_NAME=SCOTTKEITH  
/PARAMETER_VALUE=7  
! /PARAMETER_VALUE_SEARCH_FOR=  
! /PARAMETER_VALUE_REPLACE_WITH=  
! /PARAMETER_VALUE_PREFIX=  
! /PARAMETER_VALUE_APPEND=  
;
```

Pipeline Parameter : ::SCOTTKEITH = 7

if we set MULTI\_PASS= FALSE

```
Set_Pipeline_Parameter  
/PARAMETER_NAME=FINAL  
/PARAMETER_VALUE=: :SCOTTKEITH  
! /PARAMETER_VALUE_SEARCH_FOR=  
! /PARAMETER_VALUE_REPLACE_WITH=  
! /PARAMETER_VALUE_PREFIX=  
! /PARAMETER_VALUE_APPEND=  
! /MULTI_PASS=FALSE  
;
```

Pipeline Parameter : ::FINAL = ::SCOTTKEITH

if we set MULTI\_PASS= TRUE

```
Set_Pipeline_Parameter
/PARAMETER_NAME=FINAL
/PARAMETER_VALUE=: :SCOTTKEITH
! /PARAMETER_VALUE_SEARCH_FOR=
! /PARAMETER_VALUE_REPLACE_WITH=
! /PARAMETER_VALUE_PREFIX=
! /PARAMETER_VALUE_APPEND=
/MULTI_PASS=true
;
```

Pipeline Parameter : ::FINAL = 7

**NOTE:** If the above does not work (if FINAL is not set to 7, and MULTI\_PASS is set to TRUE), instead of writing “::SCOTTKEITH”, use “:&:&::SCOTTKEITH”.

From:  
<https://has-motion.com/wiki/> - Wiki Documentation Site

Permanent link:  
[https://has-motion.com/wiki/doku.php?id=visual3d:documentation:pipeline:pipeline\\_commands:set\\_pipeline\\_parameter&rev=1718717596](https://has-motion.com/wiki/doku.php?id=visual3d:documentation:pipeline:pipeline_commands:set_pipeline_parameter&rev=1718717596)

Last update: 2024/06/18 13:33

