

# Conditional\_Statement

This command was modelled after the [For\\_Each](#) command in the sense that there is a start (Conditional\_Statement) and an ending event (Conditional\_Statement\_End).

When the pipeline comes to an Conditional\_Statement command, it will evaluate the expression using the same syntax as the [Evaluate\\_Expression](#) command. If the expression is TRUE (returns any value other than zero), all of the commands between the Conditional\_Statement and Conditional\_Statement\_End commands will be executed. If the expression is FALSE (returns a zero), all the commands that are between the Conditional\_Statement and Conditional\_Statement\_End commands will be skipped.

The ITERATION\_PARAMETER\_NAME is used to distinguish between different Conditional\_Statement commands so that Conditional\_Statement and Conditional\_Statement\_End commands can be unambiguously associated with each other.

**NOTE:** If there is more than one active file then the Conditional\_Statement command will be skipped. This is because the expression might be TRUE for some files and FALSE for others, leaving Visual3D in an ambiguous place.

**NOTE:** This command was previously called the Expression\_Loop. Scripts referring to this old command name will still work.

## Syntax

### Conditional\_Statement

```
/ITERATION_PARAMETER_NAME= /EXPRESSION= ;
```

### Conditional\_Statement\_End

```
/ITERATION_PARAMETER_NAME= ;
```

## Pipeline Example

This script will prompt the user to specify if walking or running trials are being processed. Based on the user's selection, different processing will be completed. In this example, the pipeline parameter TEST will be set to 1 if the condition is Walk, and set to 2 if the condition is Run.

```
Prompt_For_Pipeline_Parameter_Value  
/PIPELINE_PARAMETER_NAME=CONDITION  
/PROMPT=Select Condition:  
/DATA_TYPE=STRING  
/DEFAULT_VALUE=Walk
```

```
/USE_POSSIBLE_VALUES=TRUE
/POSSIBLE_VALUES=Walk+Run
! /USE_UNITS=FALSE
! /DEFAULT_UNITS=
! /USE_POSSIBLE_UNITS=FALSE
! /POSSIBLE_UNITS=
! /CONVERSIONS=
;

Conditional_Statement
/ITERATION_PARAMETER_NAME=STATEMENT_1
/EXPRESSION= "&::CONDITION&" == "WALK"
;

Set_Pipeline_Parameter
/PARAMETER_NAME=TEST
/PARAMETER_VALUE=1
! /PARAMETER_VALUE_SEARCH_FOR=
! /PARAMETER_VALUE_REPLACE_WITH=
! /PARAMETER_VALUE_PREFIX=
! /PARAMETER_VALUE_APPEND=
! /MULTI_PASS=FALSE
;

Conditional_Statement_End
/ITERATION_PARAMETER_NAME=STATEMENT_1
;

Conditional_Statement
/ITERATION_PARAMETER_NAME=STATEMENT_2
/EXPRESSION= "&::CONDITION&" == "RUN"
;

Set_Pipeline_Parameter
/PARAMETER_NAME=TEST
/PARAMETER_VALUE=2
! /PARAMETER_VALUE_SEARCH_FOR=
! /PARAMETER_VALUE_REPLACE_WITH=
! /PARAMETER_VALUE_PREFIX=
! /PARAMETER_VALUE_APPEND=
! /MULTI_PASS=FALSE
;

Conditional_Statement_End
/ITERATION_PARAMETER_NAME=STATEMENT_2
;
```

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