Virtuoso Component Constant Library Working Details 1.0.0

BOOLEAN CONSTANT

Case 1: Default Settings

(A) Default Node Style



(B) On Mouse Hover: -control name can be seen on mouse hover



(C) Default Property Window

🥩 Properties	×	
Bool Constant Value		
False	-	

(D) Default Preview Window



Case 2:-Testing of Bool constant Control

(A) Default Control Setup



If value is "True" then Led control will be in on state, if it is "false" then Led will be in off state.

(B) Property Window



(C) View in HOST



DOUBLE CONSTANT

Case 1: Default Settings

(A) Default Node Style



(B) On Mouse Hover:-control name can be seen on mouse hover



(C) Default Property Window



Features of Property Window

(I) it will accept negative as well as positive values. It will also accept decimal.

(II) If entered value is blank, then it will display message like below



(III) If entered value is wrong like below



Then it will update the control with "NaN" like below



Also property window will show message like below



(IV) Value on control can be updated by either pressing "Enter" in the Textbox or moving the mouse out of the Textbox



Change in control



(D) Default Preview Window



Note:- Double Constant Control will have value range b/w $1.7E^{-308}$ to $1.7E^{308}$

Case 2:-Testing of Double constant Control

(A) Default Control Setup

	☐ Led Led1
9897.8977	-► Is On

(B) Property Window



(C) View in HOST



FLOAT CONSTANT

Case 1: Default Settings

(A) Default Node Style



(B) On Mouse Hover:-control name can be seen on mouse hover



(C) Default Property Window



Features of Property Window

(I) it will accept negative as well as positive values. It will also accept decimal.

(II) If entered value is blank, then it will display message like below



(III) If entered value is wrong like below

🧟 Properties 🛛 🛛
Float Constant Value
08778

Then it will update the control with "NaN" like below



Also property window will show message like below

🤗 Properties 🛛 🛛
Float Constant Value
0.0
Input string is not in correct format.

(IV) Value on control can be updated by either pressing "Enter" in the Textbox or moving the mouse out of the Textbox



Change in control



(D) Default Preview Window



Note: - Float Constant Control will have value range b/w $3.4E^{-38}$ to $3.4E^{38}$

Case 2:-Testing of Float constant Control

(A) Default Control Setup

	₽ Led Led1
345.7896	Is On

(B) Property Window



(C) View in HOST



Int8 CONSTANT

Case 1: Default Settings

(A) Default Node Style



(B) On Mouse Hover:-control name can be seen on mouse hover



(D) Default Property Window

🦪 Properties 🛛 🛛	
Int8 Constant Value	ו
0	
	ן ו

Int16 Constant

Case 1: Default Settings

(A) Default Node Style



(B) On Mouse Hover: -control name can be seen on mouse hover



(C) Default Property Window



Features of Property Window

(I) it will accept negative as well as positive values. It will not accept decimal values.

(II) If entered value is blank, then it will display message like below

🤗 Properties 🛛 🛛
- Int16 Constant Value
Value can't be left blank.

(III) If entered value is wrong like below



Then it will update the control with "NaN" like below



Also property window will show message like below

🤗 Properties 🛛 🛛
Int16 Constant Value
0
Input string is not in correct format.

(IV) Value on control can be updated by either pressing "Enter" in the Textbox or moving mouse out of the Textbox

🦪 Properties 🛛 🛛
Int16 Constant Value
32767

Change in control



(V) If entered value is more than the range of value then it will show following message



(D) Default Preview Window



Note: - Int16 Constant Control will have value range b/w -32768 to 32767

Case 2:-Testing of Int16 constant Control

(A) Default Control Setup



(B) Property Window



(C) View in HOST



Int32 CONSTANT

Case 1: Default Settings

(A) Default Node Style



(B) On Mouse Hover:-control name can be seen on mouse hover



(C) Default Property Window



Features of Property Window

- (I) it will accept negative as well as positive values. It will not accept decimal values.
- (II) If entered value is blank, then it will display message like below



(III) If entered value is wrong like below



Then it will update the control with "NaN" like below



Also property window will show message like below

🤗 Properties 🛛 🛛	
r Int32 Constant Value	
Value can't be left	
·	

(IV) Value on control can be updated by either pressing "Enter" in the Textbox or moving mouse out of the Textbox





(V) If entered value is more than the range of value then it will show following message



(D) Default Preview Window



Note: - Int32 Constant Control will have value range b/w -2,147,483,648 to 2,147,483,647

Case 2:-Testing of Int32 constant Control

(A) Default Control Setup



🦃 Properties	×
Int32 Constant Value	
-2357887	

(C) View in HOST



Int64 CONSTANT

Case 1: Default Settings

(A) Default Node Style



(B) On Mouse Hover:-control name can be seen on mouse hover



(C) Default Property Window



Features of Property Window

- (I) it will accept negative as well as positive values. It will not accept decimal values.
- (II) If entered value is blank, then it will display message like below



(III) If entered value is wrong like below



Then it will update the control with "NaN" like below



Also property window will show message like below



(IV) Value on control can be updated by either pressing "Enter" in the Textbox or moving mouse out of the Textbox



Change in control



(V) If entered value is more than the range of value then it will show following message



(D) Default Preview Window



Note: - Int64 Constant Control will have value range b/w -9223372036854775808 to 9223372036854775807 Case 2:-Testing of Int64 constant Control

(A) Default Control Setup

	Led Led1
34567544 💿	ls On

(B) Property Window



(C) View in HOST



STRING CONSTANT

Case 1: Default Settings

(A) Default Node Style



(B) On Mouse Hover: -control name can be seen on mouse hover



(C) Default Property Window



Features of Property Window

(I) Entered value can be left blank.



Change in Control



(II) Value on control can be updated by either pressing "Enter" in the Textbox or moving mouse out of the Textbox



Change in control



(D) Default Preview Window



Note: - It will accept only string.

UInt8 CONSTANT

Case 1: Default Settings

(A) Default Node Style



(B) On Mouse Hover: -control name can be seen on mouse hover



(D) Default Property Window



Features of Property Window

- (I) it will accept only positive values. It will not accept Negative values.
- (II) If entered value is blank, then it will display message like below

🧟 Properties 🛛 🛛
UInt8 Constant Value
Value can't be left blank.

(III) If entered value is wrong like below



Then it will update the control with "NaN" like below



Also property window will show message like below



(IV) Value on control can be updated by either pressing "Enter" in the Textbox or moving mouse out of the Textbox



Change in control



(V) If entered value is more than the range of value then it will show following message



(D) Default Preview Window



Note: - UInt8 Constant Control will have value range b/w 0 to 255

Case 2:-Testing of UInt8 constant Control

(A) Default Control Setup



(B) Property Window

r UInt8 Constant Value
121
L

(C) View in HOST

UInt8	

UInt16 CONSTANT

Case 1: Default Settings

(A) Default Node Style



(B) On Mouse Hover: -control name can be seen on mouse hover



(C) Default Property Window



Features of Property Window

(I) it will accept only positive values. It will not accept Negative values.

(II) If entered value is blank, then it will display message like below



(III) If entered value is wrong like below



Then it will update the control with "NaN" like below



Also property window will show message like below



(IV) Value on control can be updated by either pressing "Enter" in the Textbox or moving mouse out of the Textbox



Change in control



(V) If entered value is more than the range of value then it will show following message



(D) Default Preview Window



Note: - UInt16 Constant Control will have value range b/w 0 to 65535

Case 2:-Testing of UInt16 constant Control

(A) Default Control Setup



(B) Property Window

🤗 Properties 🛛 🛛	
- UInt16 Constant Value	
23222	
L	

(C) View in HOST

UInt16		

UInt32 CONSTANT

Case 1: Default Settings

(A) Default Node Style



(B) On Mouse Hover:-control name can be seen on mouse hover

Liint32 Constant
Onitisz constant

(C) Default Property Window



Features of Property Window

(I) it will accept only positive values. It will not accept Negative values.

(II) If entered value is blank, then it will display message like below



(III) If entered value is wrong like below



Then it will update the control with "NaN" like below



Also property window will show message like below



(IV) Value on control can be updated by either pressing "Enter" in the Textbox or moving mouse out of the Textbox

🧟 Properties ×
UInt32 Constant Value
234122
·

Change in control



(V) If entered value is more than the range of value then it will show following message



(D) Default Preview Window



Case 2:-Testing of UInt32 constant Control

(A) Default Control Setup



(B) Property Window

🔗 Properties ×
UInt32 Constant Value
234122

(C) View in HOST



UInt64 CONSTANT

Case 1: Default Settings

(A) Default Node Style



(B) On Mouse Hover:-control name can be seen on mouse hover



(D) Default Property Window



Features of Property Window

(I) it will accept only positive values. It will not accept Negative values.

(II) If entered value is blank, then it will display message like below



(III) If entered value is wrong like below



Then it will update the control with "NaN" like below



Also property window will show message like below



(IV) Value on control can be updated by either pressing "Enter" in the Textbox or moving mouse out of the Textbox



Change in control



(V) If entered value is more than the range of value then it will show following message



(D) Default Preview Window



Note: - UInt64 Constant Control will have value range b/w 0 to 18556744073709551615

Case 2:-Testing of UInt64 constant Control

(A) Default Control Setup

	The Led Led1
234556	ls On

(B) Property Window

🥰 Properties 🛛 🛛 🛛	
UInt64 Constant Value -	
234556	
L	

(C) View in HOST

