

Advantech SE Technical Share Document

Date	2019 / 03/ 16	Related Product	CODESYS	
Category	■FAQ □SOP □ Driver Tech Note			
Abstract	Could CODESYS string type store other language except for English?			
Keyword	Visualization, String, WString			
Related OS	Windows			
Revision History				
Date	Version	Author	Reviewer	Description
2020/03/16	V1.0	Owen.Chang	Nick.Liu	CODESYS SP15

■ Problem Description & Architecture:

Actually, CODESYS have WSTRING type which is interpreted in Unicode format as opposed to the data type STRING (ASCII). You could see the official document from CODESYS online help.

https://help.codesys.com/webapp/ cds_datatype_wstring;product=codesys;version=3.5.15.0

This SOP will show how to show WSTRING on visualization.

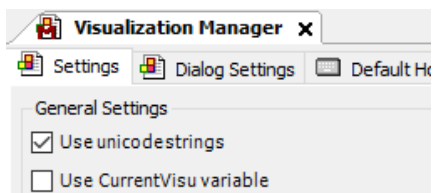
■ Brief Solution - Step by Step:

1. Declare wsStr as WSTRING and set “嗨！你好嗎？” as fault value

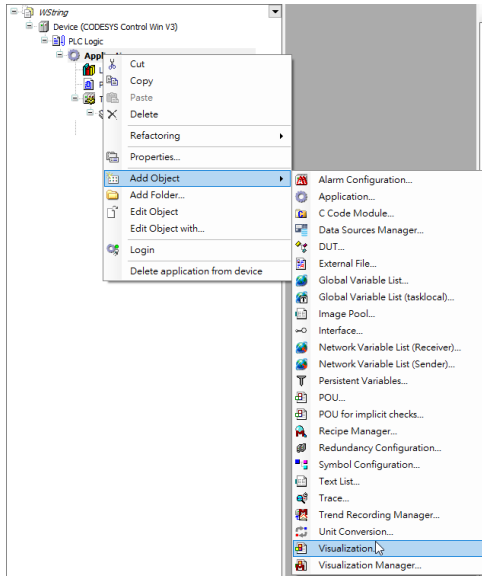
```

PROGRAM PLC_PRG
VAR
    wsStr: WSTRING := "嗨！你好嗎？";
END_VAR
    
```

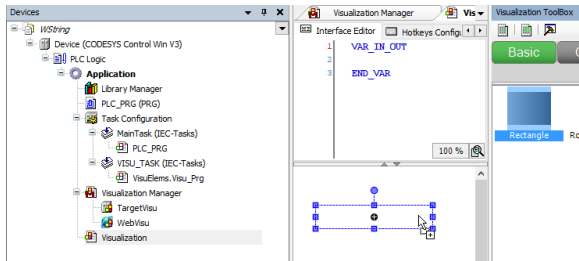
2. Click “Use unicodestrings”



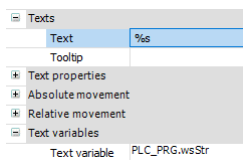
3. Add Visualization



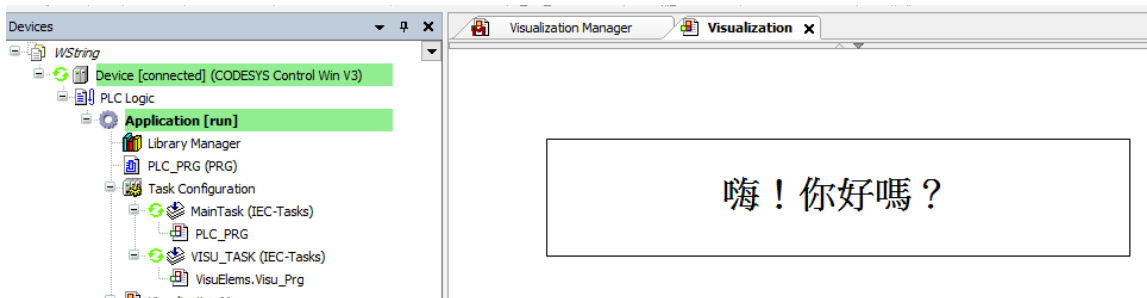
4. Create "Rectangle"



5. Map variable "wsStr" to the text variable and set format "%s" in Text.



6. After downloading the project, you could see "嗨！你好嗎？" in visualization.



Reference:

https://help.codesys.com/webapp/ cds_datatype_wstring;product=codesys;version=3.5.15.0

https://help.codesys.com/webapp/ cds_operands_constant_string;product=codesys;version=3.5.15.0