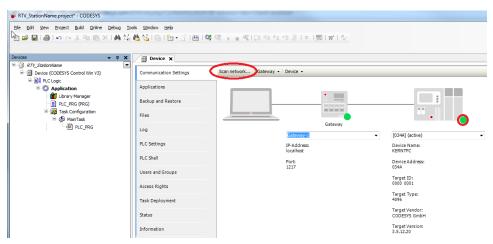
RemoteTargetVisu: Reading the Client Name

- Create a "Standard project" and select CODESYS Control Win V3 as the device.
- Define the target system by means of the Network scan.



 Open the Library Manager and add the following library: VisuUtils

👔 Device 🗃 Visualization 🙀 RemoteTargetvisualization 🕸 VISU_TASK 🎁 Library Manager 🗙 📩 Add library X Delete library 🕾 Properties 🐻 Details 🛤 Placeholders 👔 Library repository							
🖳 🚥 System_VisuElemTrace = VisuElemTrace, 3.5.12.0 (System)	VisuElemTrace	3.5.12.0					
🖩 🚥 System_VisuElemXYChart = VisuElemXYChart, 3.5.12.0 (System)	VisuElemXYChart	3.5.12.0					
system_visuinputs = visuinputs, 3.5.12.0 (system)	visuinputs	3.5.12.0					
🗑 🚥 System_VisuNativeControl = VisuNativeControl, 3.5.12.0 (System)	VisuNativeControl	3.5.12.0					
wawa VisuUtils = Visu Utils, 3.5.12.0 (System)	VU	3.5.12.0					

• Insert a visualization in the device tree.

Then the Visualization Manager is inserted with the visu types TargetVisu and WebVisu.

Delete both of these are add a *RemoteTargetvisualization*. Then assign the *Visualization* to it as the start page. In addition, a *VISU_TASK* is also created automatically.

RTV_StationName.project - CODESYS		
File Edit View Project Build Online Debug T	ools <u>W</u> indow <u>H</u> elp	
🎦 🖆 🔚 I 🎒 I တ 🖓 🖻 🛍 🗙 I 🛤 🐫	🝓 🌿 🖷 🛅 - 📑 🎬 🤐 🧐	ペロ 電 性 ちょう 🗖
Devices 🗸 🗸 🗙	🔋 😨 RemoteTargetvisualization 🗙	Device
RTV_StationName		
🖮 🕤 Device (CODESYS Control Win V3)	Start Visualization:	Visualization
E PLC Logic		
Application		
Library Manager		
PLC_PRG (PRG)		
Task Configuration		
🗐 🌑 MainTask		
PLC_PRG		
		45
UisuElems.Visu_Prg		
Visualisierungsmanager		
RemoteTargetvisualization		
visualizauori		

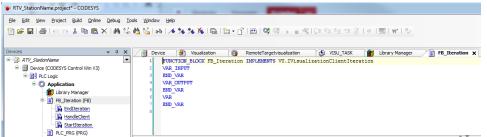
• Create a new FB named FB_Iteration and implement the VU.IVisualizationClientIteration interface.

Add POU	
Create a new PO	la≹ U (Program Organization Unit)
Name:	
FB_Iteration	
Type	
Program	
Function Block	
Extends:	FB_1
Implements:	faualizationClientIteration
Access specifier:	
	•
Method implement Structured Text (5	
	·/ ·
Function	
Return type:	
Implementation language	ge:
Structured Text (ST)	•
	Add Cancel

The following methods are created automatically with the FB:

EndIteration HandleClient

iunuic Onorit	
StartIteration	



• Adapt the FB_Iteration function block as follows:

```
Declaration
FUNCTION_BLOCK FB_Iteration IMPLEMENTS VU.IVisualizationClientIteration
VAR_INPUT
END_VAR
VAR_OUTPUT
END_VAR
VAR
sRtvNamel : STRING;
END_VAR
```

• Adapt the *HandleClient* method as follows:

```
Declaration
```

Implemen tation

```
IF itfClient.ClientType = VU.VisuClientType.RemoteTargetVisualization THEN
    sRtvName1 := itfClient.GetClientName();
END_IF
```

• Adapt the POU PLC_PRG as follows:

```
Declaration
VAR
fbIteration
i: FB_Iteration;
fbIterateClients
i: VU.FbIterateClients;
END_VAR

fbIterateClients(xExecute:=TRUE, itfClientFilter:=VU.Globals.AllClients, itfIterationCallback:
=fbIterateClients.xDone THEN
fbIterateClients(xExecute:=FALSE, itfClientFilter:=VU.Globals.AllClients,
itfIterationCallback:=fbIteration);
END_IF
```

• Load the project to the controller and start it.

RTV_StationName project - CODESYS	-		-						_	_		- 0 - 8
Die Edit View Braject Build Grime Debug Iools Window Help												T
图 @ 图 @ Foo3 % % % X 操作器 输出 * * * * * * * * * * * * * * * * * *		KIDI915	*18101第1前1									
Devices v @ 3		Device	Vaualization	RemoteTargety	suelzeton 👔 🚯	V2SU_TASK	👔 Library Manager	F0_Dera	ton 👔 FB_3	teration.HandleClient	PLC_PRG 🗙 🙀	F0_Iteration.EndIte +
	-	Device Applicatio	on.PLC_PRG									
Control Win V3) Horize (connected) (CCDESYS Control Win V3) Horize (CCDESYS Control Win V3)	Ex	ression			Type	Value			Prepared value	Address	Comment	16
= O Application (run)		folteration			FB_Iteration							
Library Manager		# sRtvNam			STRING	•						
😑 🔝 F8_Iteration (F8)	۲	folterateClier	nts		VU.Pb3terateClients							
- B Endlanston												
HondleClent Startiteration												
PLC_PRG (PRG)												
Zask Configuration												
🗏 🚱 MainTask												
- @ PLC_PRG					tfClientFilter:-	VU.Globals	AllClients, itfItera	tionCallback:	fbIteration);			
WESUTARK	8		IterateClients.xCone			FAR	obals.AllClients. itf	Transmine Callin		-		
WouElens. Vau_Prg		4 0 210 17								, ,		
Wouldation Manager @ RemoteTargetvisualization												
touelator												
21 (1000000)												

• Open the targetvisuremote.cfg file and add the following entries to the CmpVisuHandlerRemote section:

[CmpVisuHandlerRemote] VisuClient.Name=CodesysRemoteClient1

• After the remote target visu is started, the specified name is shown in the project:

RTV_StationName.project - CODESYS									
Bie Edit View Broject Build Online Debug Iools Window Help									
121日間 ◎ ○○米陶◎×川島協薦協 ★外外外 ◎ 120・121回 13154	▶ ■ 왕[대의학학왕] 이 團[言] シー								
Devices 👻 🤕		eTargetvisualization 🚯 VISU_TASK 🖬 Library Manager	FB_Iteration RB_Iteration.Hand						
= 🗿 RTV_StationName	Device Application.PLC_PRG								
G M Device (connected) (CODESYS Control Win V3)	Expression	Type Value	Prepared value Address						
🖹 📋 PLC Logic 🖶 🗭 Application [run]	B Ø fblteration	FB Iteration	Tiquica func						
Contraction [run] Drary Manager	# sRtvName1	STRING CodesysRemoteClient1							
D PB_Iteration (PB)	🛞 🌒 fblterateClients	VU.FbIterateClents							
Bndttration BndtCtent									
Startiteration PLC_PRG (PRG)		1							
🖻 🌃 Task Configuration									
≅ S ManTask - @] PLC PRG									
PIC_PRG PISU_TASK	1 DiterateClients (xExecute TRUE, itfClientFilter:=VU.Globals.AllClients, itfIterationCallback:=fbIteration);								
VisuElems.Visu_Prg	B 2 0 IF fblterateClients.xDone ALE 7 3 0 fblterateClients(xExecute Transition)	HEN F-FALSE, itfClientFilter:-VU.Globals.AllClients, it	fIrerationCallback:=fbIreration):						
🖶 🔂 Visualization Manager	4 CEND IPHETURN		,,						
- @ RemoteTargetvisualization									
Visualization									