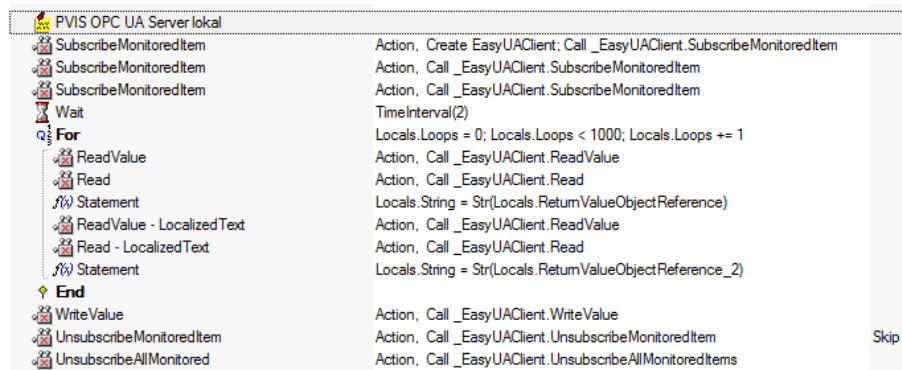TestStand:
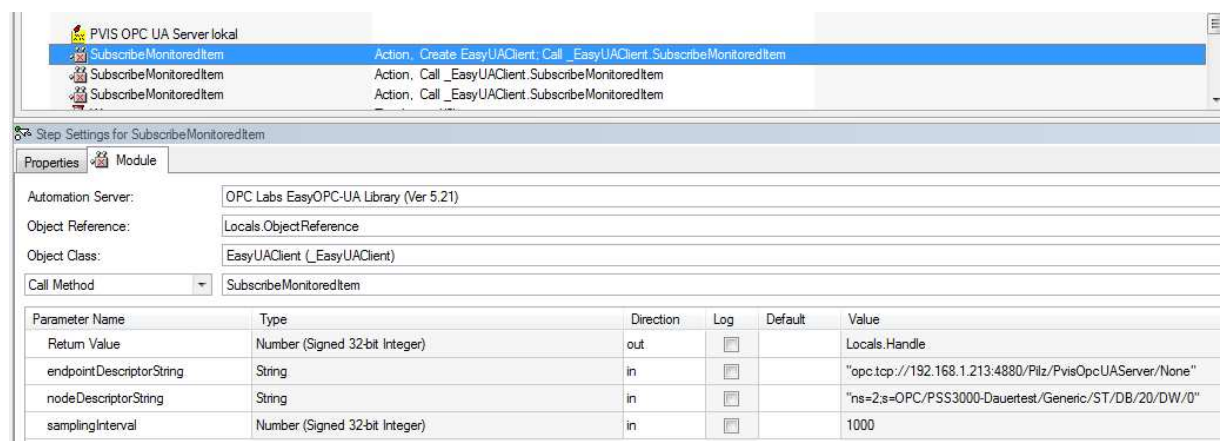
1.) Start the OPC UA Server
2.) I have made a little Testsequence "Test.seq" where I make some tests with different OPC UA Servers

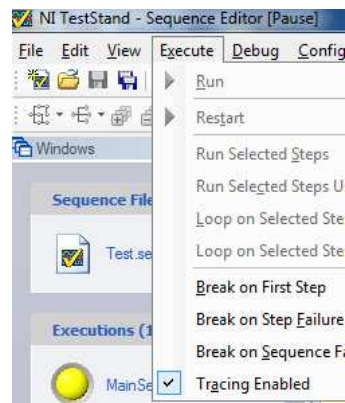3.) It's very easy. You add an Action (ActiveX/COM-Adapter) …
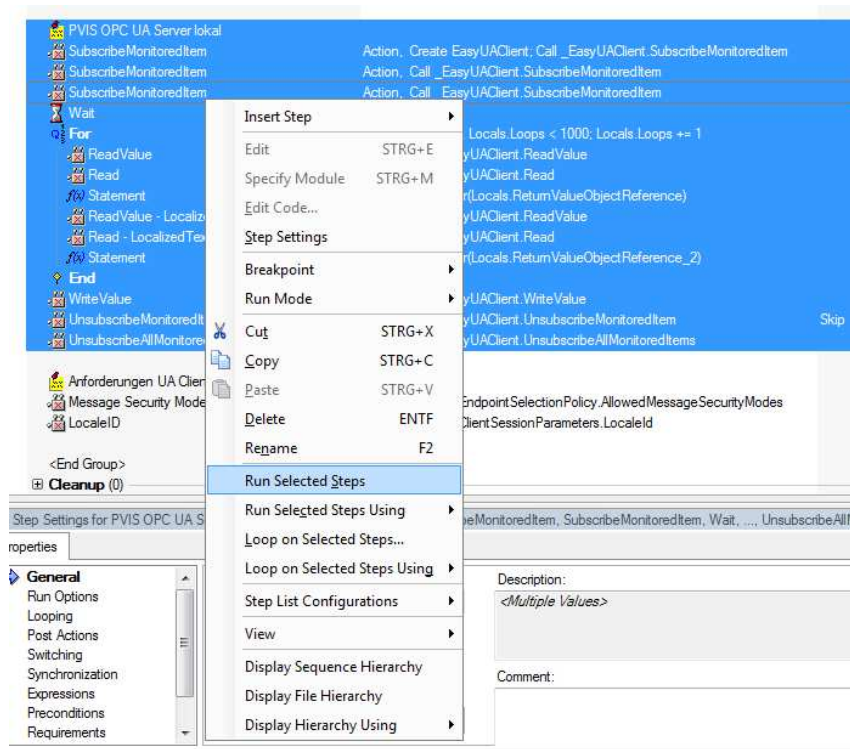

… and now you choose the Library, define a Object Reference, select the Objects Class and call the method.

4.) Enable the Tracing

5.) If you want start the steps then please mark the steps, push the right mouse button and select "Run selected Steps".

6.) If the steps runs then you can make a break over the yellow Break-Button

7.) Now you can add expressions to the "Watch View" and resume the steps with the green button.

ReadValue	Action, Call _EasyUAClient.ReadValue	Interactive
Read	Action, Call _EasyUAClient.Read	Interactive
Statement	Locals.String = Str(Locals.ReturnValueObjectReference)	Interactive
ReadValue - LocalizedText	Action, Call _EasyUAClient.ReadValue	Interactive
Read - LocalizedText	Action, Call _EasyUAClient.Read	Interactive
Statement	Locals.String = Str(Locals.ReturnValueObjectReference_2)	Interactive
End		Interactive
WriteValue	Action, Call _EasyUAClient.WriteValue	Interactive
UnsubscribeMonitoredItem	Action, Call _EasyUAClient.UnsubscribeMonitoredItem	Skip, Interactive
UnsubscribeAllMonitored	Action, Call _EasyUAClient.UnsubscribeAllMonitoredItems	Interactive
Anforderungen UA Client		
Message Security Mode	Action, Set _UAEndpointSelectionPolicy.AllowedMessageSecurityModes	
LocaleID	Action, Set _UAClientSessionParameters.LocaleId	
<End Group>		
Cleanup (0)		

Steps | Variables | Report

Call Stack
MainSequence - Main (Test.seq)

Watch View

Watch Expression	Value	Type	Breakpoint	Attached
Locals.ReturnValueBool	False	Boolean	None	
Locals.ReturnValueNumber	27149	Number	None	
Locals.ReturnValueString	""	String	None	
Locals.ReturnValueObjectReference	.NET Type: OpcLabs.EasyOpc.UA.UAAttributeData, ToString(): 27149 {Syste...	Object Reference	None	
Locals.ReturnValueObjectReferen...	.NET Type: OpcLabs.EasyOpc.UA.UAAttributeData, ToString(): (null) {} @06.0...	Object Reference	None	
Locals.ReturnValueObjectReferen...	Nothing	Object Reference	None	
Locals.Handle	12585990	Number	None	
Locals.String	".NET Type: OpcLabs.EasyOpc.UA.UAAttributeData, ToString(): (null) {} @06.05.2...	String	None	
<Enter an expression to watch>				

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Statement	Locals.String = Str(Locals.ReturnValueObjectReference_2)	Interactive
End		Interactive
WriteValue	Action, Call _EasyUAClient.WriteValue	Interactive
UnsubscribeMonitoredItem	Action, Call _EasyUAClient.UnsubscribeMonitoredItem	Skip, Interactive
UnsubscribeAllMonitored	Action, Call _EasyUAClient.UnsubscribeAllMonitoredItems	Interactive
Anforderungen UA Client		
Message Security Mode	Action, Set _UAEndpointSelectionPolicy.AllowedMessageSecurityModes	
LocaleID	Action, Set _UAClientSessionParameters.LocaleId	
<End Group>		
Cleanup (0)		

Steps | Variables | Report

Call Stack
MainSequence - Main (Test.seq)

Watch View

Watch Expression	Value	Type	Breakpoint	Attached
Locals.ReturnValueBool	False	Boolean	None	
Locals.ReturnValueNumber	27443	Number	None	
Locals.ReturnValueString	"Schutzeinrichtung wurde ausgelöst (SB063; 0)"	String	None	
Locals.ReturnValueObjectReference	.NET Type: OpcLabs.EasyOpc.UA.UAAttributeData, ToString(): 27443 {System.Int...	Object Reference	None	
Locals.ReturnValueObjectReference_2	.NET Type: OpcLabs.EasyOpc.UA.UAAttributeData, ToString(): Schutzeinrichtung ...	Object Reference	None	
Locals.ReturnValueObjectReference_3	Nothing	Object Reference	None	
Locals.Handle	12585990	Number	None	
Locals.String	".NET Type: OpcLabs.EasyOpc.UA.UAAttributeData, ToString(): Schutzeinrichtung...	String	None	
<Enter an expression to watch>				