

BECKHOFF

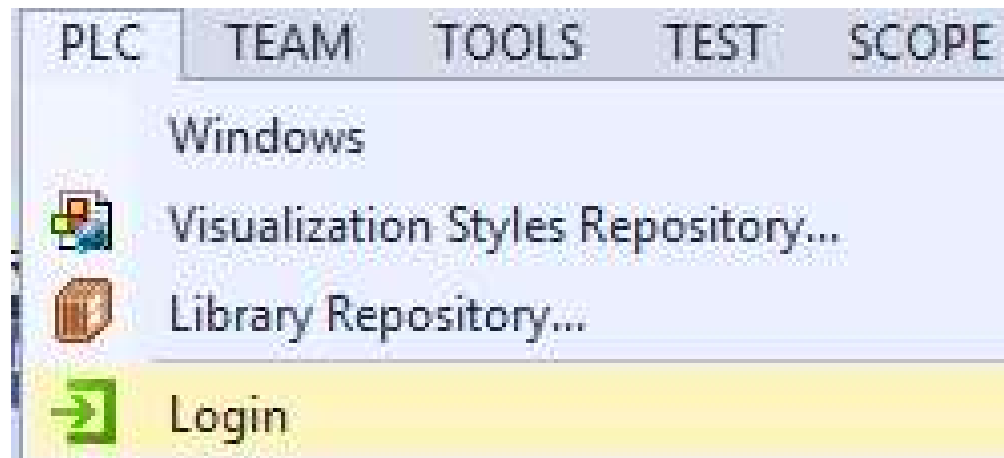


Logging in to the PLC

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- From the 'PLC' menu, select 'Login'



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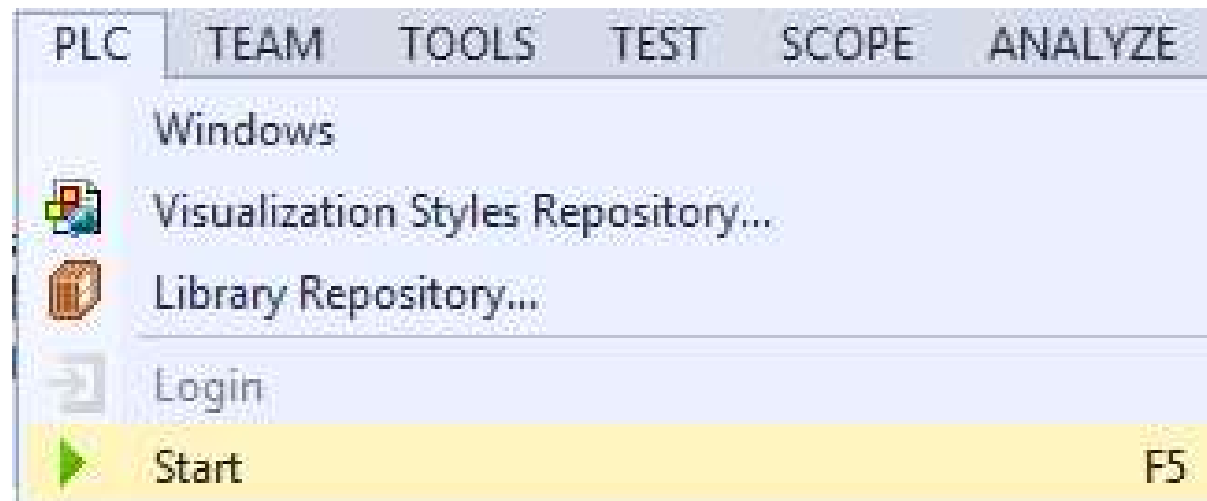
- Confirm that you would like to Create the Run-Time and load the code



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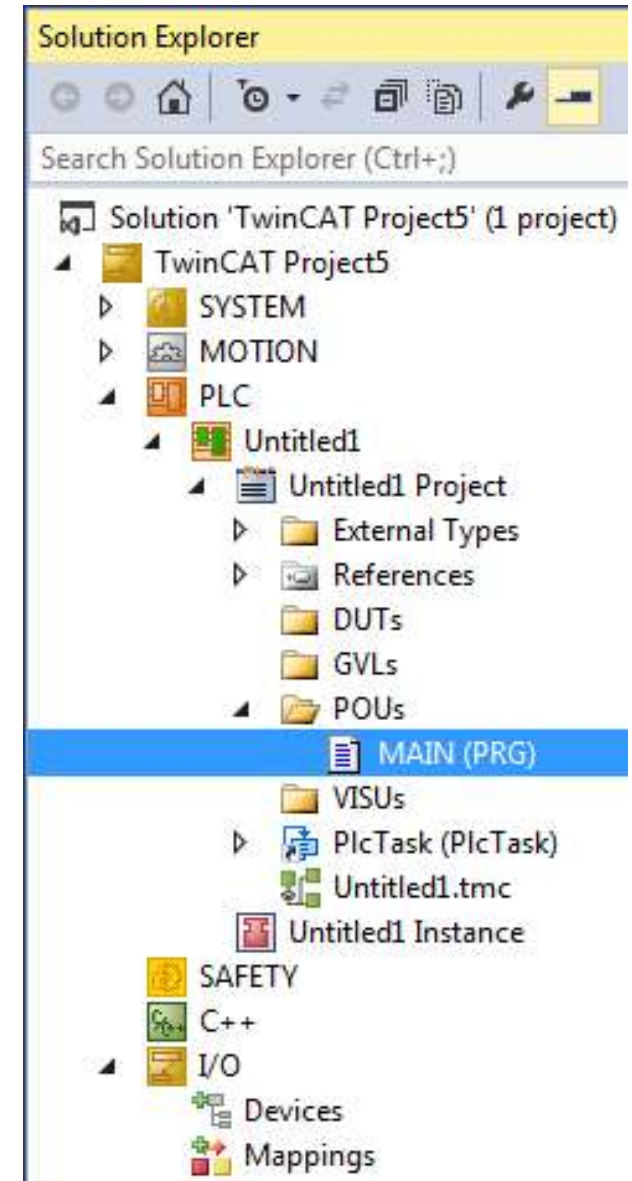
- From the 'PLC' menu, select 'Start'



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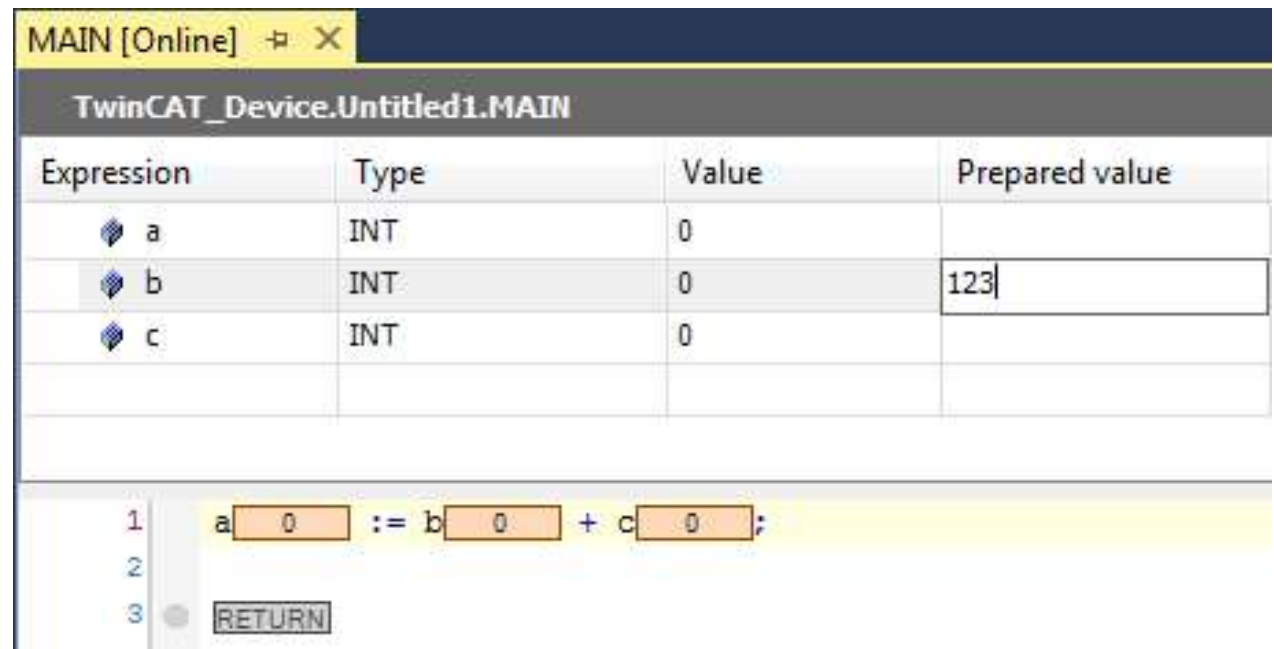
- In the 'Solution Explorer' under 'PLC' expand 'POUs' and then double-click on 'MAIN (PRG)'



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- 'MAIN' is opened in the 'Code' window
- The TAB at the top indicates that it is 'Online'
- Double-click in the 'Prepared value' column and type in a value for either 'b' or 'c'
- Press 'Enter'



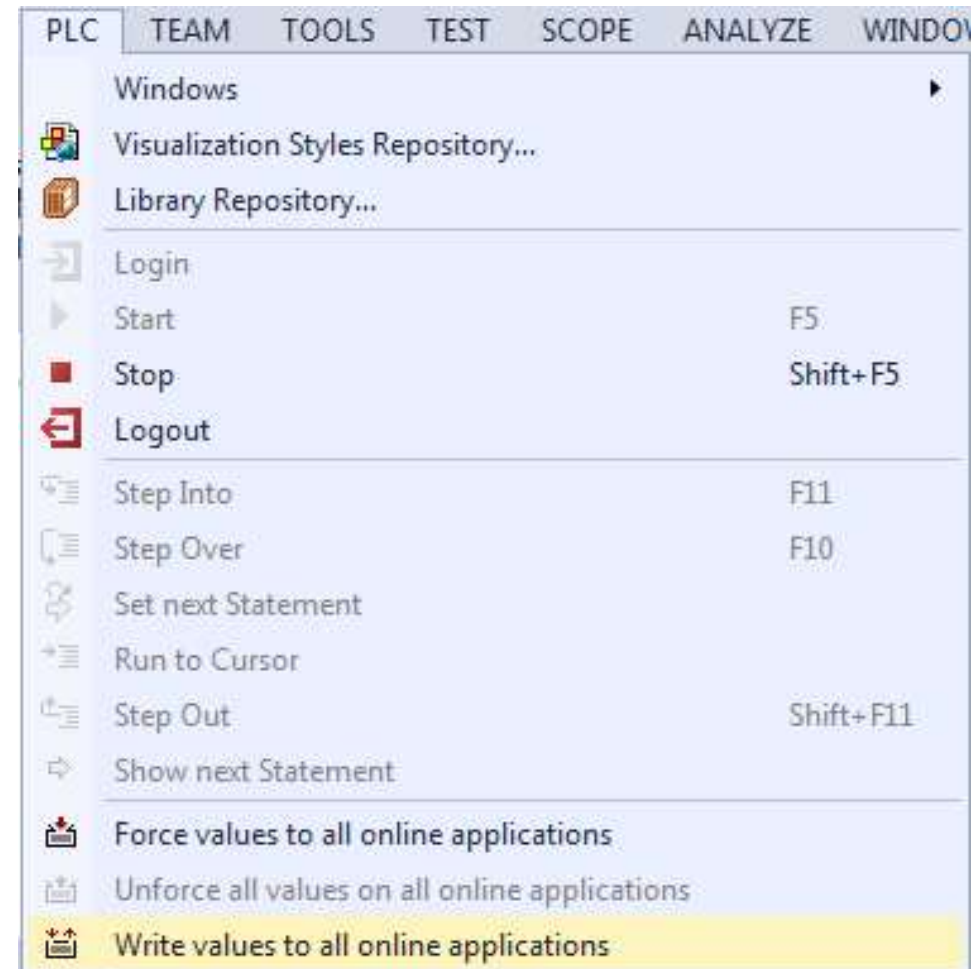
Expression	Type	Value	Prepared value
a	INT	0	
b	INT	0	123
c	INT	0	

```
1 a 0 := b 0 + c 0 ;
2
3 RETURN
```

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- From the 'PLC' menu, select 'Write values to all online applications'



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- The 'Prepared value' is now placed in the 'Value'
- If the value of 'a' does not update, check that the 'PLC' is running

MAIN [Online] ✖			
TwinCAT_Device.Untitled1.MAIN			
Expression	Type	Value	Prepared value
 a	INT	123	
 b	INT	123	
 c	INT	0	
1	a 123 := b 123 + c 0 ;		
2			
3	RETURN		

- Online mode information - status of the PLC modules:



= Engineering Environment is in Offline Mode and the PLC module is in not Run Mode or there is no connection to the target



= Engineering Environment is in Online Mode but the PLC module is not in Run Mode



= Engineering Environment is in Offline Mode but the PLC module is in Run Mode



= Engineering Environment is in Online Mode and the PLC module is in Run Mode

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