

Siemens S7-1500 (Ethernet)

Séries supportées: Siemens S7-1500 series Ethernet.

Website: <http://www.siemens.com/entry/cc/en/>

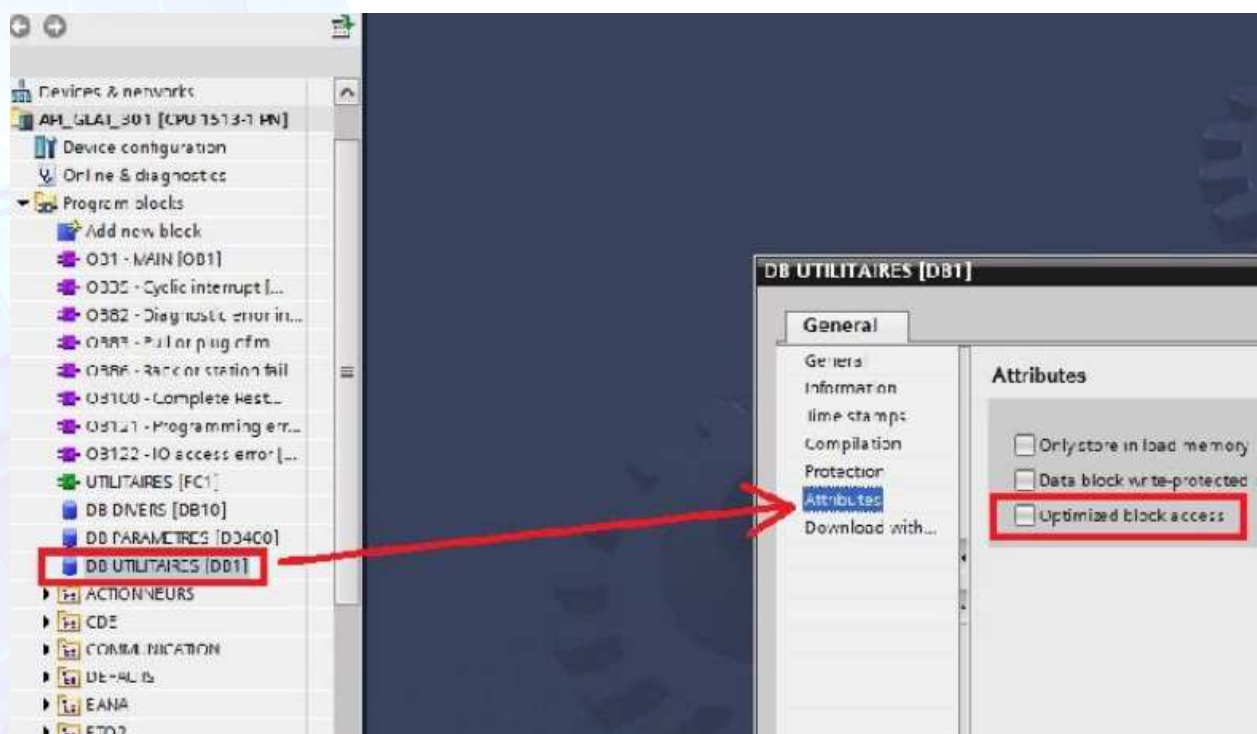
Paramètres MMI:

Paramètres	Défaut	Options	Notes
Type API	Siemens S7-1500 (Ethernet)		
Interface	Ethernet		
N. port	102		
N. station API	2		
Rack	0		
CPU slot	1		

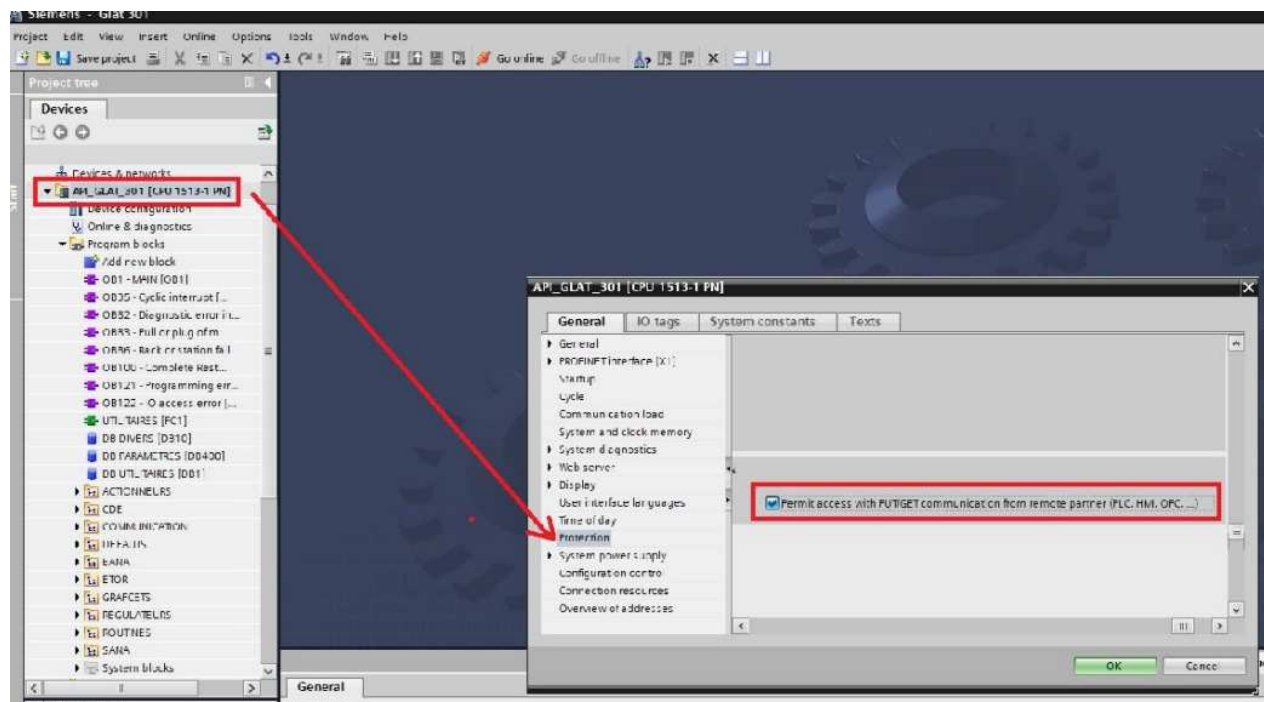
Simulation en ligne	Yes	Multi-API connect	Yes
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Paramètres API:

1. Dans le logiciel TIA Portal, décocher la case accès aux blocs optimizes

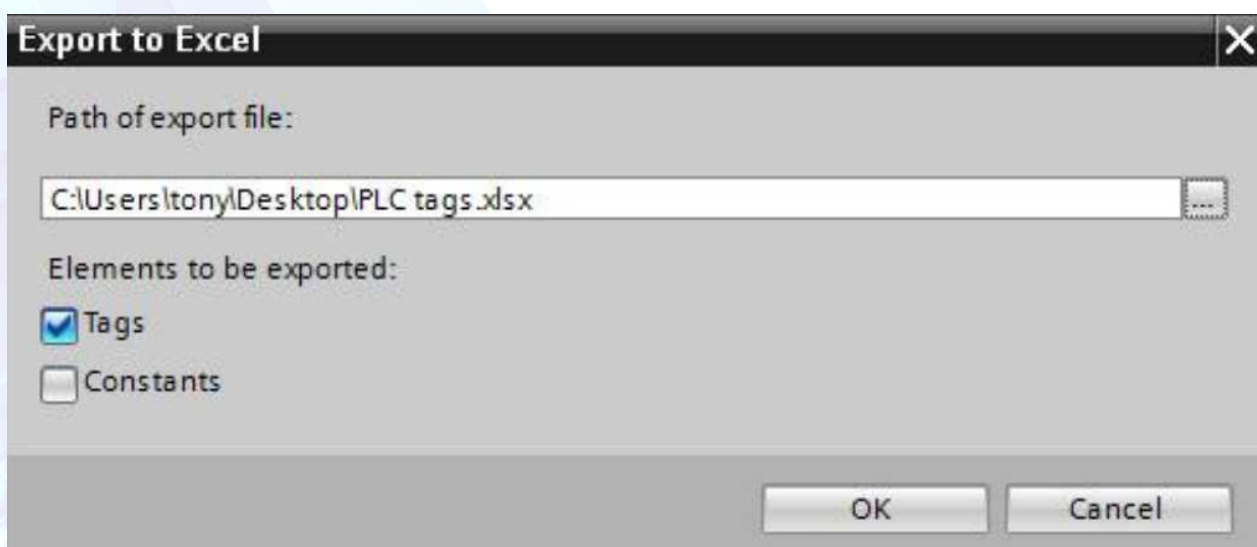
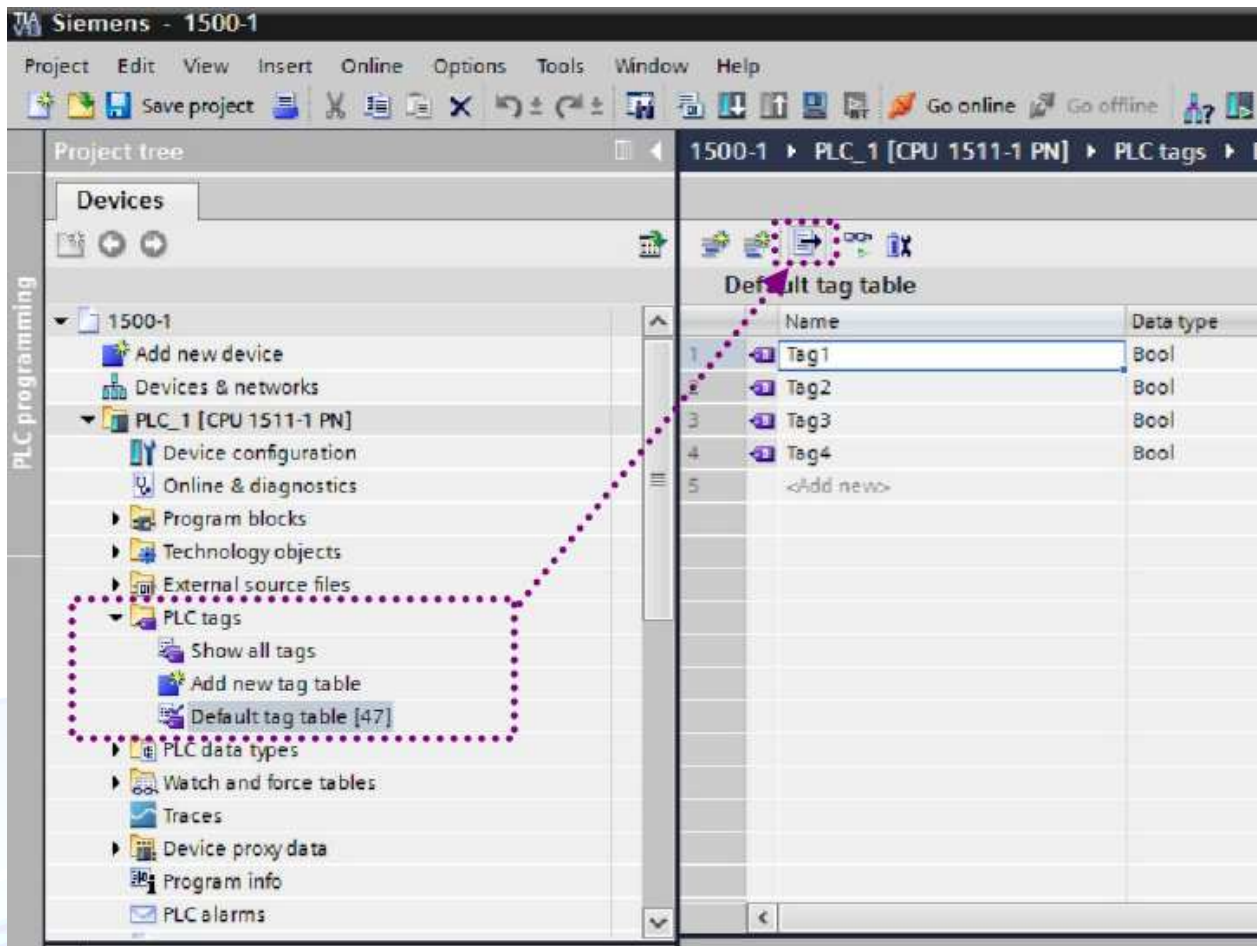


2. Dans general, Protection, cocher la case Autoriser l'accès communication PUT/GET d'un partenaire distant



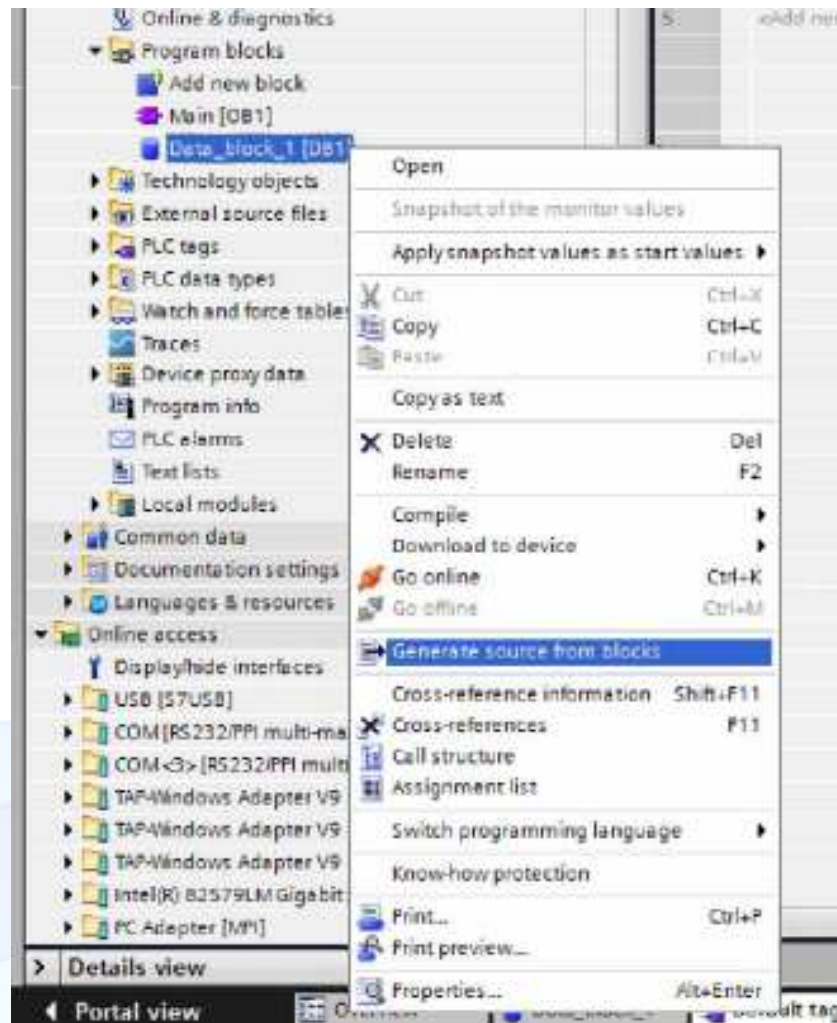
Importer les variables:

1. Dans le logiciel TIA portal, cliquer sur exporter Tags API (format .xlsx).
 - 1.1 Dans le dossier PLC tags, cliquer sur l'icône d'exportation.

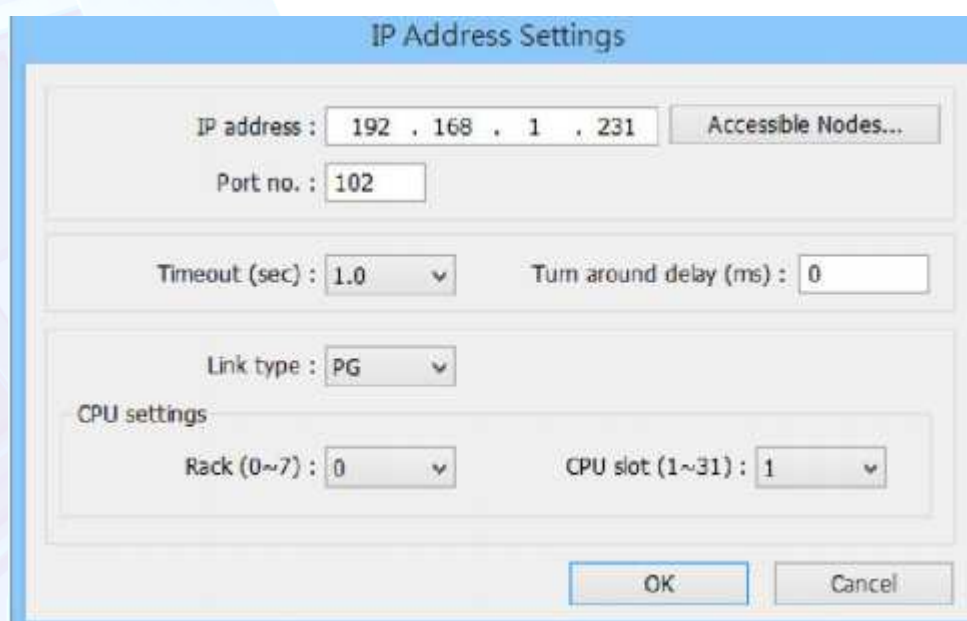
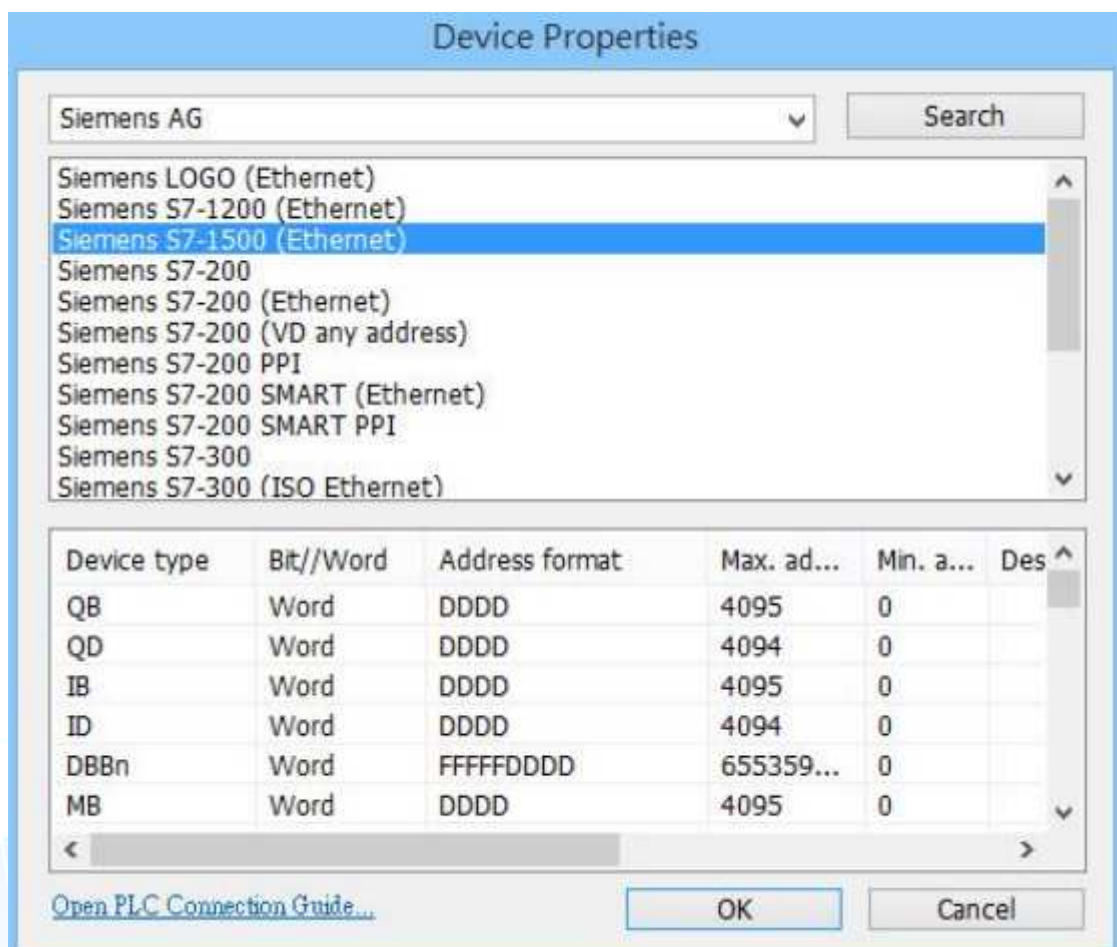


2. Exporter les blocks de programmes (format .scl)

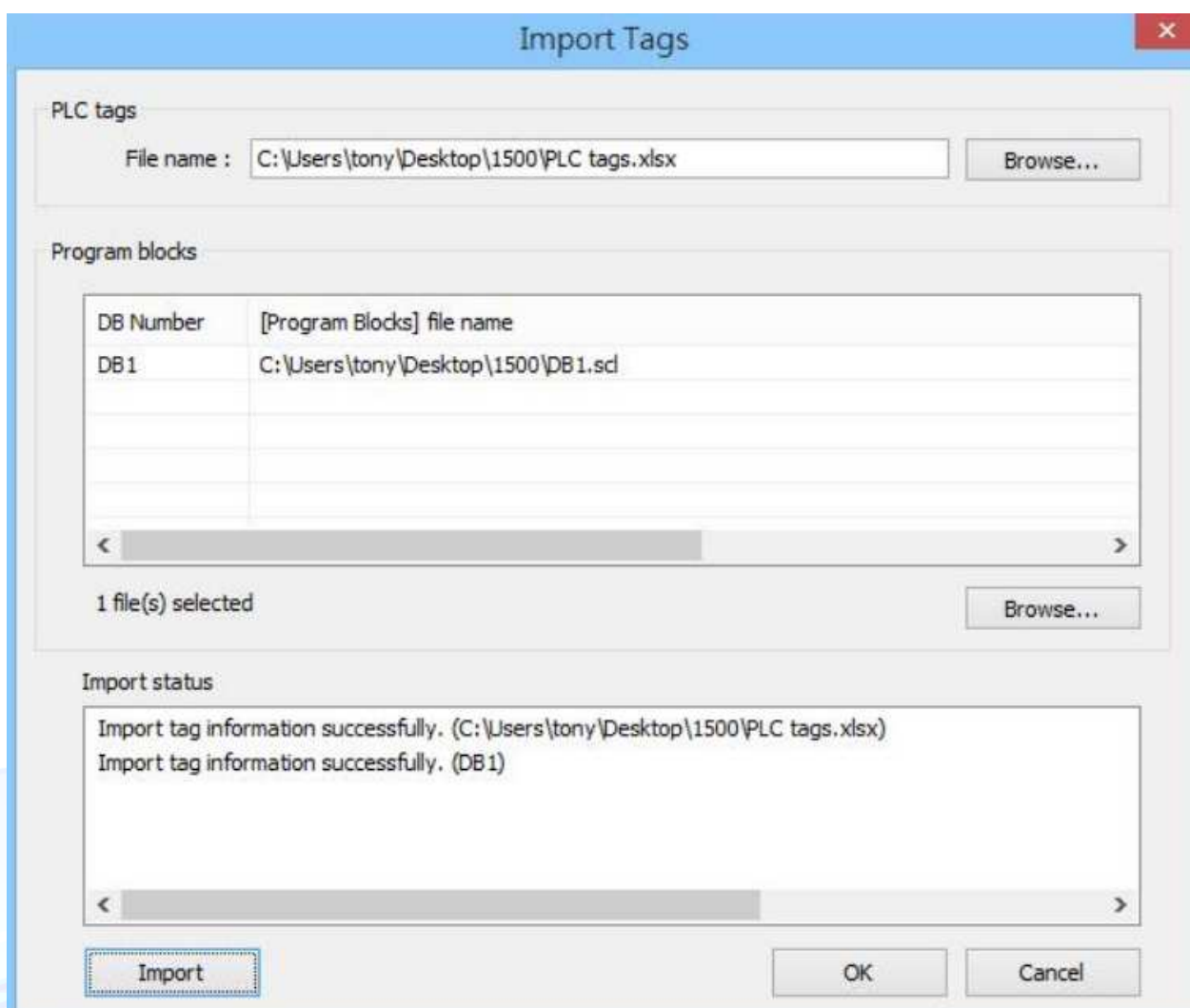
2.1 Dans le dossier program block, faire un clic droit et sélectionner generate source from blocks.



3. Dans EasyBuilder ajouter le driver Siemens S7-1200 (Ethernet) et cliquer sur paramètres.



4. Cliquer sur importer vars..
5. Sélectionner les deux fichiers précédemment exportés et cliquer sur importer.



Support Type périph:

S7-1500 data type	EasyBuilder data format	Mémo
Bool	bit	
Byte	16-bit BCD, Hex, Binary, Unsigned	8-bit
SInt	16-bit BCD, Hex, Binary, Signed	8-bit
USInt	16-bit BCD, Hex, Binary, Unsigned	8-bit
Word	16-bit BCD, Hex, Binary, Unsigned	16-bit
Int	16-bit BCD, Hex, Binary, Signed	16-bit
UInt	16-bit BCD, Hex, Binary, Unsigned	16-bit
DWord	32-bit BCD, Hex, Binary, Unsigned	32-bit
Dint	32-bit BCD, Hex, Binary, Signed	32-bit
Real	32-bit Float	32-bit
UDInt	32-bit BCD, Hex, Binary, Unsigned	32-bit
Array	Word array for ASCII input and ASCII display	Length=word

Schéma de câblage:

Connexion Ethernet directe (câble croisé):

HMI RJ45 Male	Wire Color	API RJ45 Male
1 TX+	White/Orange	3 RX+
2 TX-	Orange	6 RX-
3 RX+	White/Green	1 TX+
4 BD4+	Blue	4 BD4+
5 BD4-	White/Blue	5 BD4-
6 RX-	Green	2 TX-
7 BD3+	White/Brown	7 BD3+
8 BD3-	Brown	8 BD3-



Connexion via un hub (câble droit):

HMI RJ45 Male	Wire Color	API RJ45 Male
1 TX+	White/Orange	1 TX+
2 TX-	Orange	2 TX-
3 RX+	White/Green	3 RX+
4 BD4+	Blue	4 BD4+
5 BD4-	White/Blue	5 BD4-
6 RX-	Green	6 RX-
7 BD3+	White/Brown	7 BD3+
8 BD3-	Brown	8 BD3-



Version du pilote:

Version	Date	Description
V1.70	Oct/7/2011	Add data type: Byte, SInt, UInt, UDInt
V1.90	Apr/26/2012	Add data type: USInt