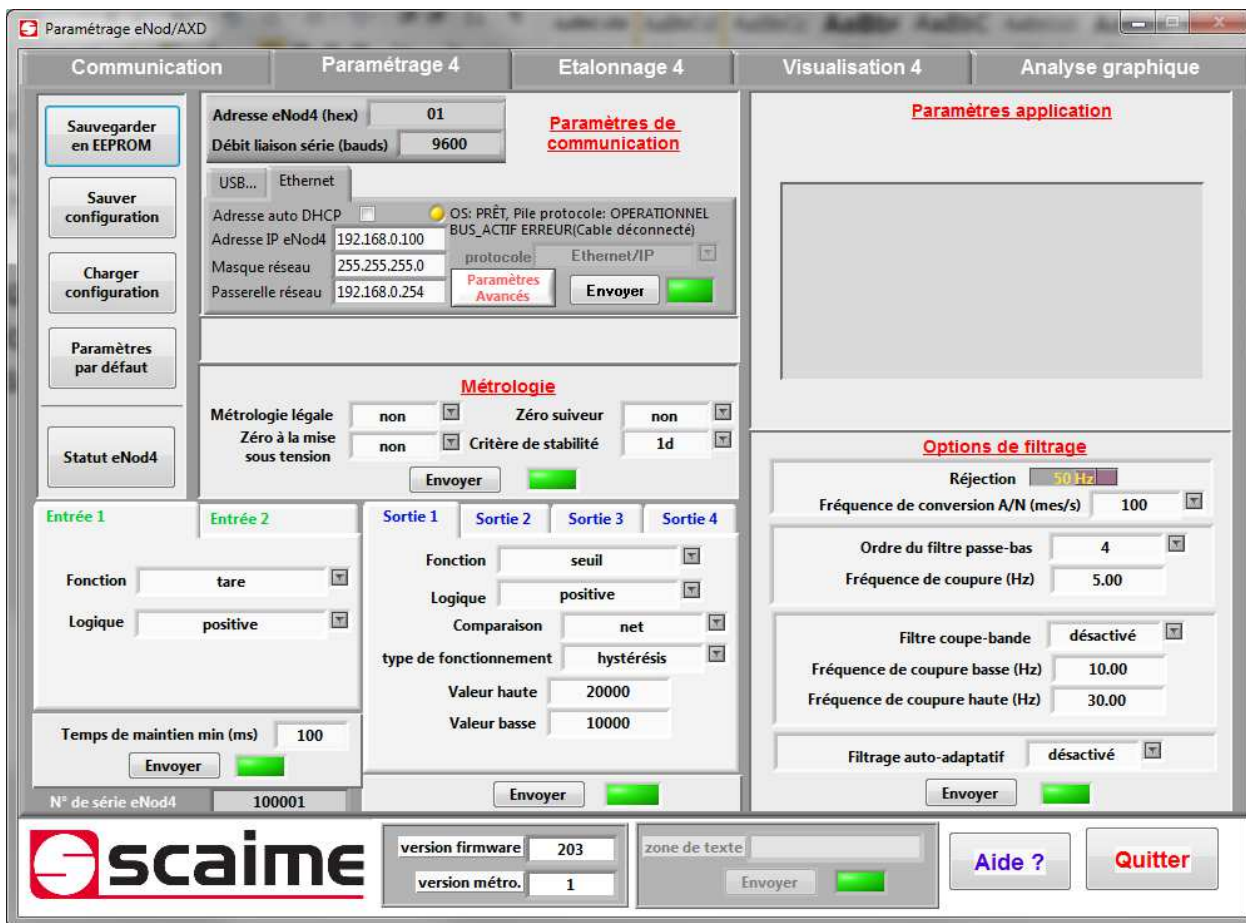


eNod4-T Configuration

If you are using the eNod for the first time, please install the USB drivers of the eNod4. The drivers can be downloaded on our website: www.scaime.com

Plug the eNod4 to the computer with the USB cable.

Launch the eNodview software. Start the connection with the eNod controller, then in the « setting tab », in the « Communication frame », set up the IP address and the name of the eNod on your network.

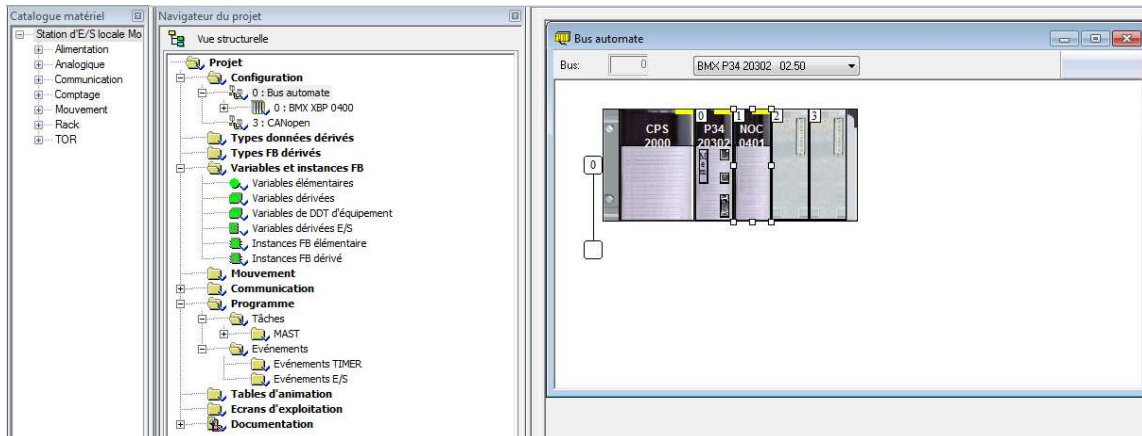


The screenshot shows the 'Paramétrage eNod/AXD' software interface. The window is divided into several sections:

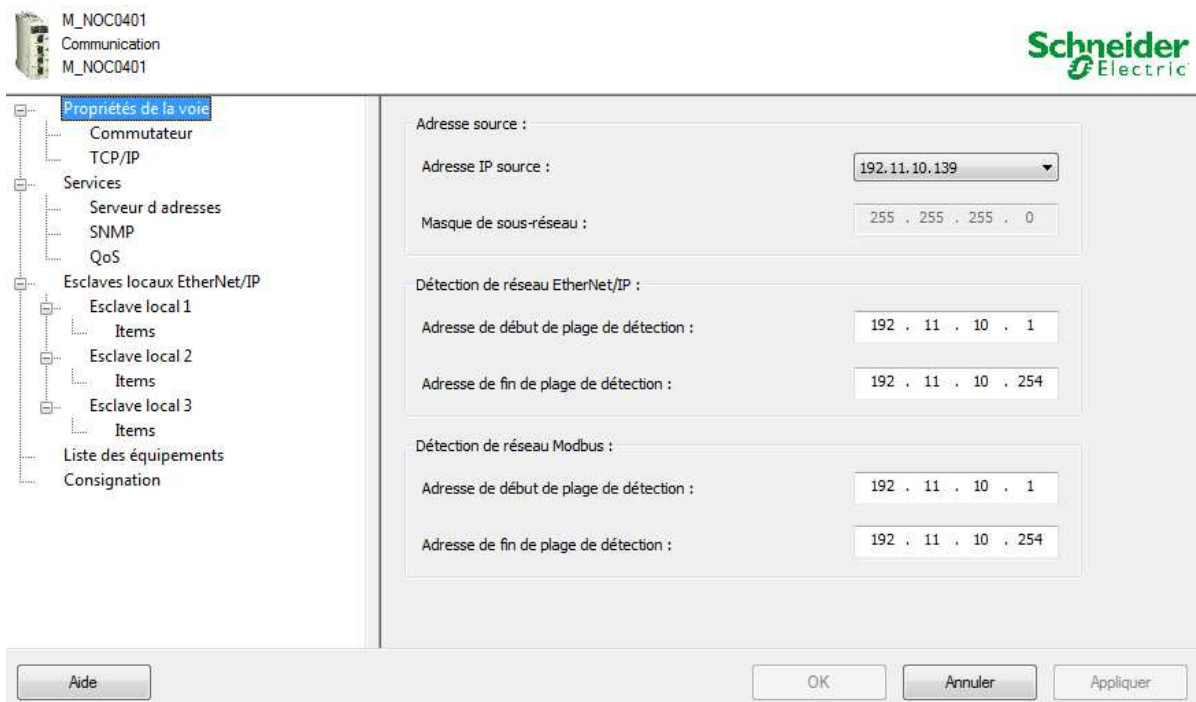
- Communication (Paramétrage 4):**
 - Adresse eNod4 (hex): 01
 - Débit liaison série (bauds): 9600
 - USB... Ethernet
 - Adresse auto DHCP:
 - Adresse IP eNod4: 192.168.0.100
 - Masque réseau: 255.255.255.0
 - Passerelle réseau: 192.168.0.254
 - OS: PRÊT, Pile protocole: OPERATIONNEL, BUS_ACTIF ERREUR(Cable déconnecté)
 - protocole: Ethernet/IP
 - Buttons: Paramètres Avancés, Envoyer
- Métrologie:**
 - Métrologie légale: non
 - Zéro à la mise sous tension: non
 - Zéro suiveur: non
 - Critère de stabilité: 1d
 - Buttons: Envoyer
- Options de filtrage:**
 - Réjection: 50 Hz
 - Fréquence de conversion A/N (mes/s): 100
 - Ordre du filtre passe-bas: 4
 - Fréquence de coupure (Hz): 5.00
 - Filtre coupe-bande: désactivé
 - Fréquence de coupure basse (Hz): 10.00
 - Fréquence de coupure haute (Hz): 30.00
 - Filtrage auto-adaptatif: désactivé
 - Buttons: Envoyer
- Entrée 1:**
 - Fonction: tare
 - Logique: positive
 - Temps de maintien min (ms): 100
 - Buttons: Envoyer
- Sortie 1:**
 - Fonction: seuil
 - Logique: positive
 - Comparaison: net
 - type de fonctionnement: hystérésis
 - Valeur haute: 20000
 - Valeur basse: 10000
 - Buttons: Envoyer
- Footer:**
 - N° de série eNod4: 100001
 - version firmware: 203
 - version métr.: 1
 - zone de texte
 - Buttons: Envoyer, Aide ?, Quitter

NOC & M340 configuration with Unity

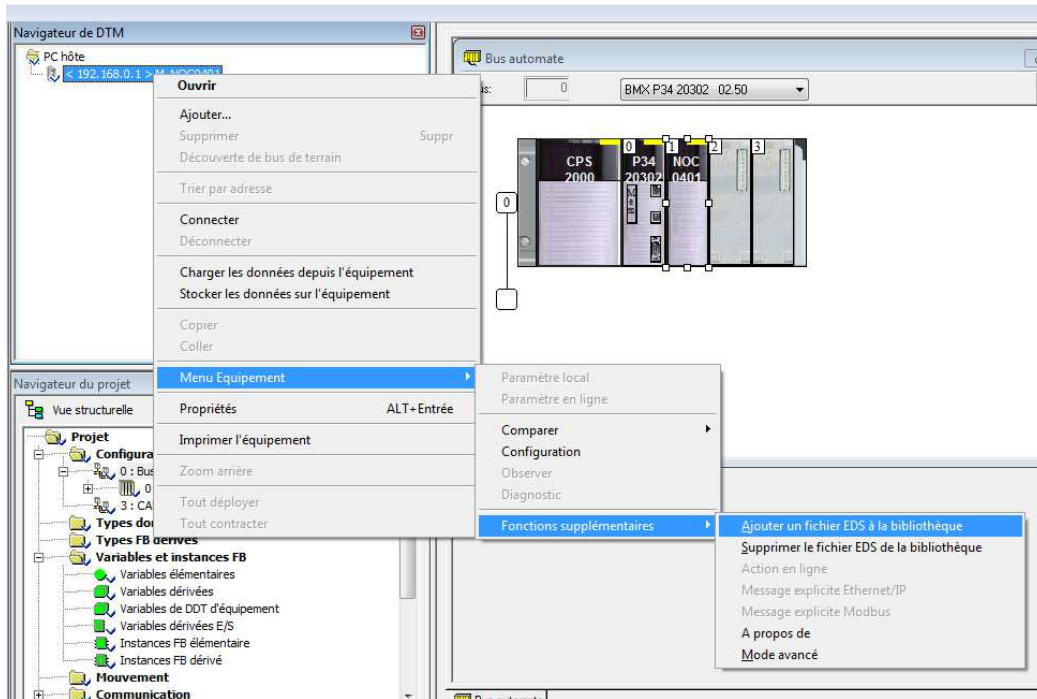
Launch Unity to configure your PLC and the required equipments to your project (here a M340 PLC and a NOC0401)



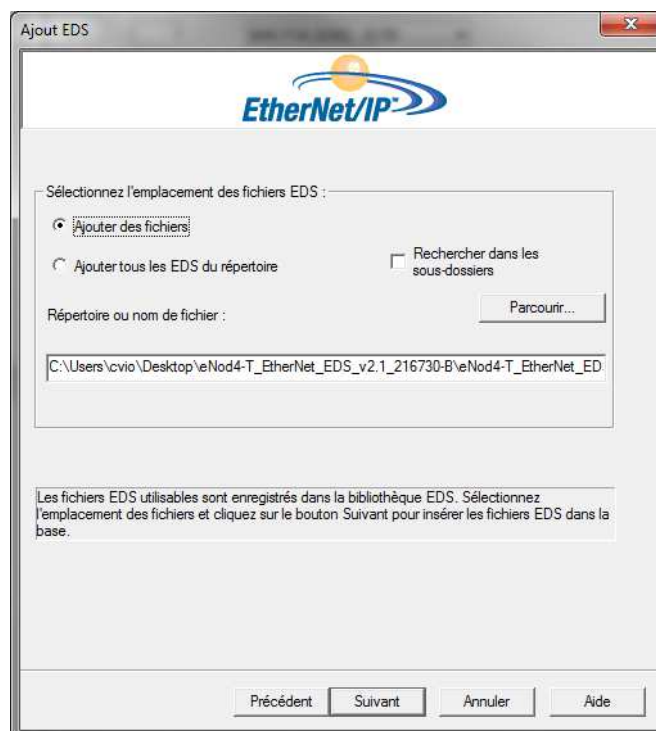
In the « DTM » browser, configure the NOC IP addresses (Module address and the range of detection addresses)



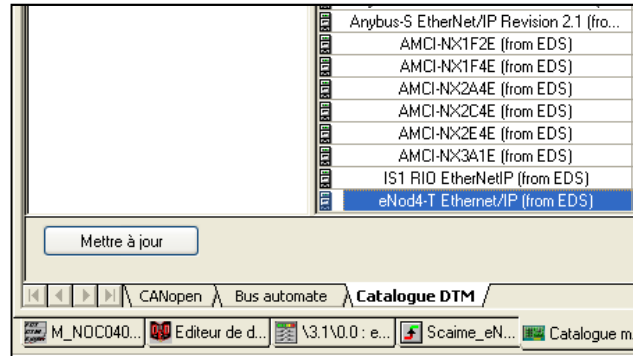
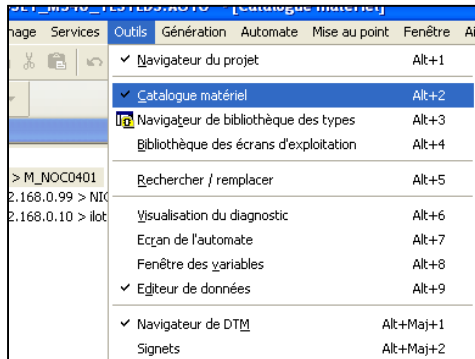
In the « DTM » browser, click right on the NOC: In the scrolling menu, chose: « equipment menu, additional functions, add an EDS files to the library ».



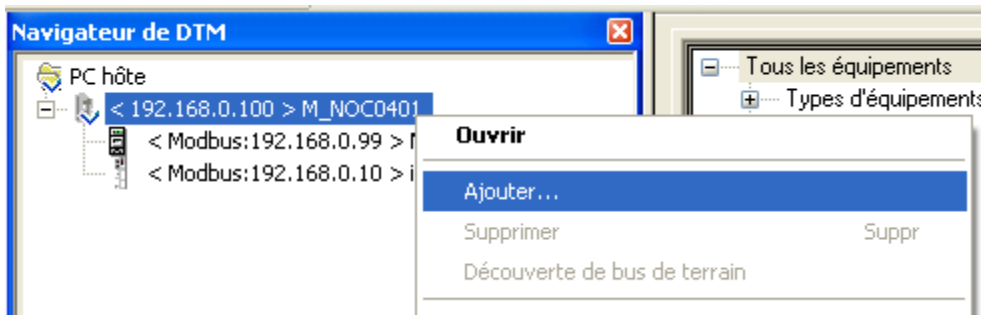
In the assistant « EDS addition », fill the path of the eNod4 EDS file. (Here we are using an eNod4-T Ethernet IP)



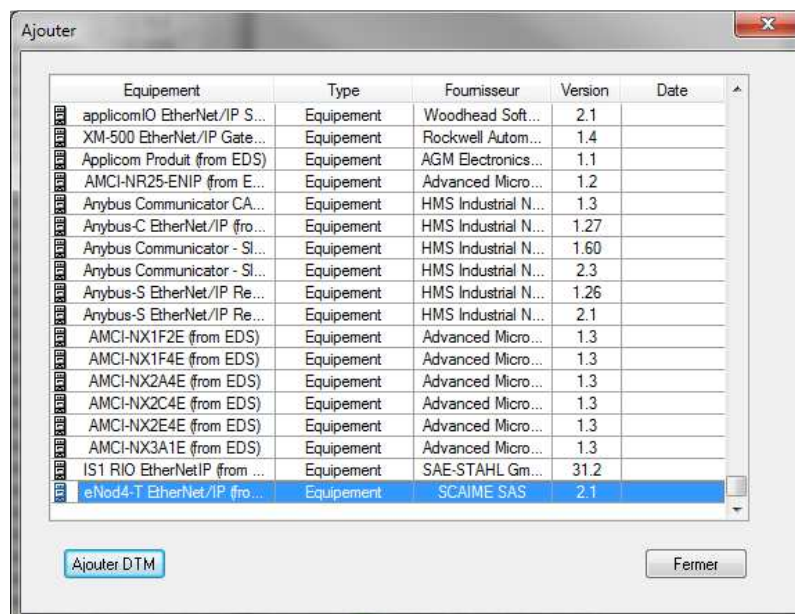
Open the Material catalog, then click on the « update » button to see the new EDS in the equipments list.



In the « DTM » browser, make a right click on the NOC, then chose « Add » in the scrolling menu.

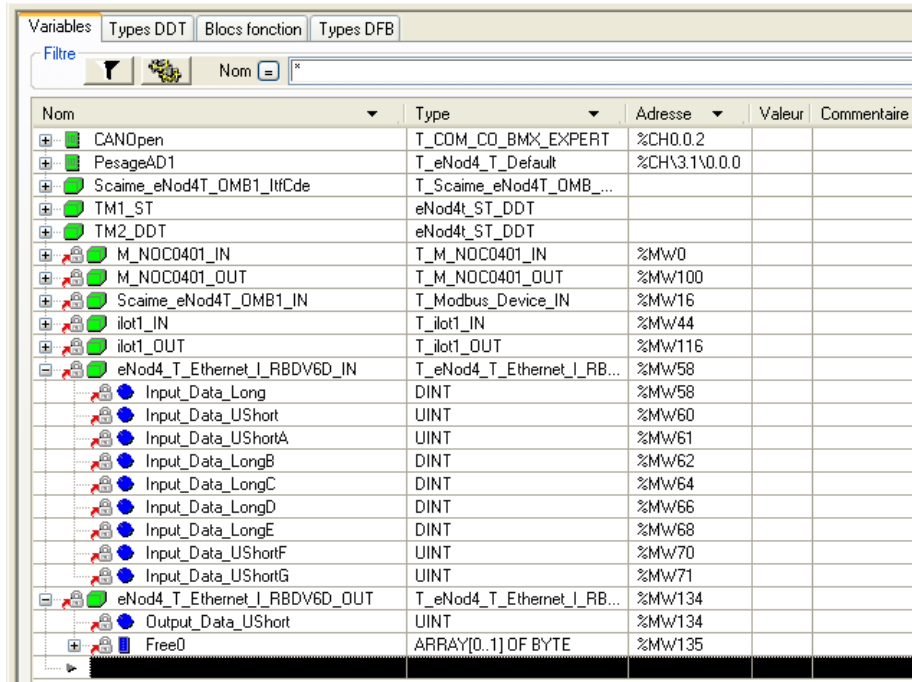


Select the eNod4-T Ethernet/IP, and then click on the « add DTM » button.



Now you have to generate the project in order to correctly define the variables (In the opposite, all the datas will be declared in bytes tables)

After the project generation, the variables are affected in the good format.

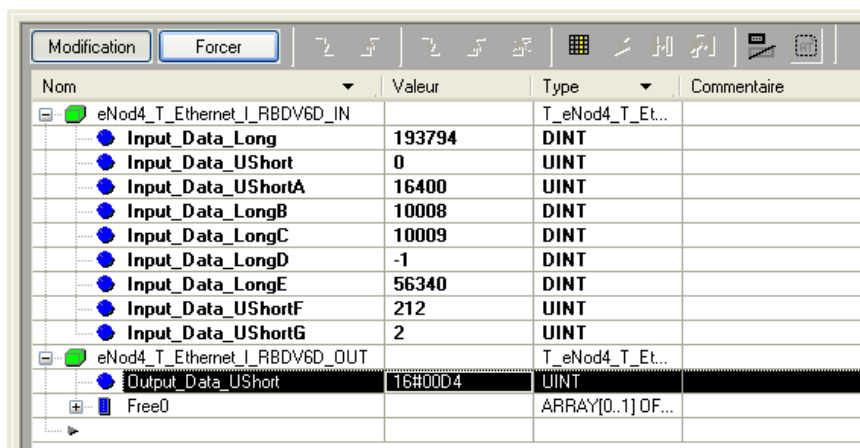


Nom	Type	Adresse	Valeur	Commentaire
CANOpen	T_COM_CO_BMX_EXPERT	%CH0.0.2		
PesageAD1	T_eNod4_T_Default	%CH\3.1\0.0.0		
Scaime_eNod4T_OMB1_ItfCde	T_Scaime_eNod4T_OMB_...			
TM1_ST	eNod4t_ST_DDT			
TM2_DDT	eNod4t_ST_DDT			
M_NOC0401_IN	T_M_NOC0401_IN	%Mw0		
M_NOC0401_OUT	T_M_NOC0401_OUT	%Mw100		
Scaime_eNod4T_OMB1_IN	T_Modbus_Device_IN	%Mw16		
ilot1_IN	T_ilot1_IN	%Mw44		
ilot1_OUT	T_ilot1_OUT	%Mw116		
eNod4_T_Ethernet_I_RBDV6D_IN	T_eNod4_T_Ethernet_I_RB...	%Mw58		
Input_Data_Long	DINT	%Mw58		
Input_Data_UShort	UINT	%Mw60		
Input_Data_UShortA	UINT	%Mw61		
Input_Data_LongB	DINT	%Mw62		
Input_Data_LongC	DINT	%Mw64		
Input_Data_LongD	DINT	%Mw66		
Input_Data_LongE	DINT	%Mw68		
Input_Data_UShortF	UINT	%Mw70		
Input_Data_UShortG	UINT	%Mw71		
eNod4_T_Ethernet_I_RBDV6D_OUT	T_eNod4_T_Ethernet_I_RB...	%Mw134		
Output_Data_UShort	UINT	%Mw134		
Free0	ARRAY[0..1] OF BYTE	%Mw135		

Connect the M340 and load the project in the PLC.

The variables **eNod4_T_Ethernet_I_RBDV6D_IN** (table T->O) and **eNod4_T_Ethernet_I_RBDV6D_OUT** (table O->T) can be added in an animation table.

On this animation table, you will be able to write command words and the check the datas in real time.



Nom	Valeur	Type	Commentaire
eNod4_T_Ethernet_I_RBDV6D_IN		T_eNod4_T_Et...	
Input_Data_Long	193794	DINT	
Input_Data_UShort	0	UINT	
Input_Data_UShortA	16400	UINT	
Input_Data_LongB	10008	DINT	
Input_Data_LongC	10009	DINT	
Input_Data_LongD	-1	DINT	
Input_Data_LongE	56340	DINT	
Input_Data_UShortF	212	UINT	
Input_Data_UShortG	2	UINT	
eNod4_T_Ethernet_I_RBDV6D_OUT		T_eNod4_T_Et...	
Output_Data_UShort	16#00D4	UINT	
Free0		ARRAY[0..1] OF...	