

## FIXING ERRORS DURING COMPILED HARDWARE CONFIGURATION

The new versions of TIA require Password in some way.

1- During software and hardware compiling, if you get any error, something similar to below:

A screenshot of the TIA Portal 'Compile' window. The status bar at the top says 'Compiling finished (errors: 1; warnings: 0)'. The main area shows a tree view of the project structure under 'PLC\_1' and a message: 'Password: The password must not be empty.' A green arrow points to this message from the 'Go-to' column in the table below. The table has columns: Path, Description, Go to, ?, Errors, Warnings, and Time. It lists several entries, all with 1 error and 0 warnings, occurring at 4:07:44 PM.

Path	Description	Go to	?	Errors	Warnings	Time
PLC_1				1	0	4:07:43 PM
Hardware configuration				1	0	4:07:43 PM
S7-300/ET200M station_1				1	0	4:07:44 PM
Rail_0				1	0	4:07:44 PM
PLC_1				1	0	4:07:44 PM
	Password: The password must not be empty.					4:07:44 PM
	Compiling finished (errors: 1; warnings: 0)					4:07:44 PM

2- Double-click on the arrow under the “Go-to” and the error location will be shown.

A screenshot of the TIA Portal 'Compile' window, identical to the one above but with a red box around the 'Go to' column header and a blue arrow pointing to the double-clicked green arrow in the 'Go to' column of the table, indicating where to click to find the error location.

Path	Description	Go to	?	Errors	Warnings	Time
PLC_1				1	0	4:07:43 PM
Hardware configuration				1	0	4:07:43 PM
S7-300/ET200M station_1				1	0	4:07:44 PM
Rail_0				1	0	4:07:44 PM
PLC_1				1	0	4:07:44 PM
	Password: The password must not be empty.					4:07:44 PM
	Compiling finished (errors: 1; warnings: 0)					4:07:44 PM

3- For the Password issue, there are two options:

3a – Enter password for the read/write protection

A screenshot of the 'Properties' window for 'PLC\_1 [CPU 315-2 DP]'. The 'Protection' tab is selected. Under 'Protection', there are three radio button options: 'No protection' (selected), 'Write protection', and 'Write/read protection'. Below this is a checkbox 'Can be canceled with password'. In the 'Password for read/write access' section, there are two input fields: 'Password:' and 'Confirm password:', both of which are highlighted with a red box. A red arrow points from the 'No protection' radio button to these password fields.

3b – Choose “No protection” to remove password error.

A screenshot of the 'Properties' window for 'PLC\_1 [CPU 315-2 DP]', identical to the previous one but with a red box around the 'No protection' radio button in the 'Protection' section. The other protection options ('Write protection' and 'Write/read protection') are also highlighted with a red box. The 'Password for read/write access' section is also highlighted with a red box.