

BECKHOFF

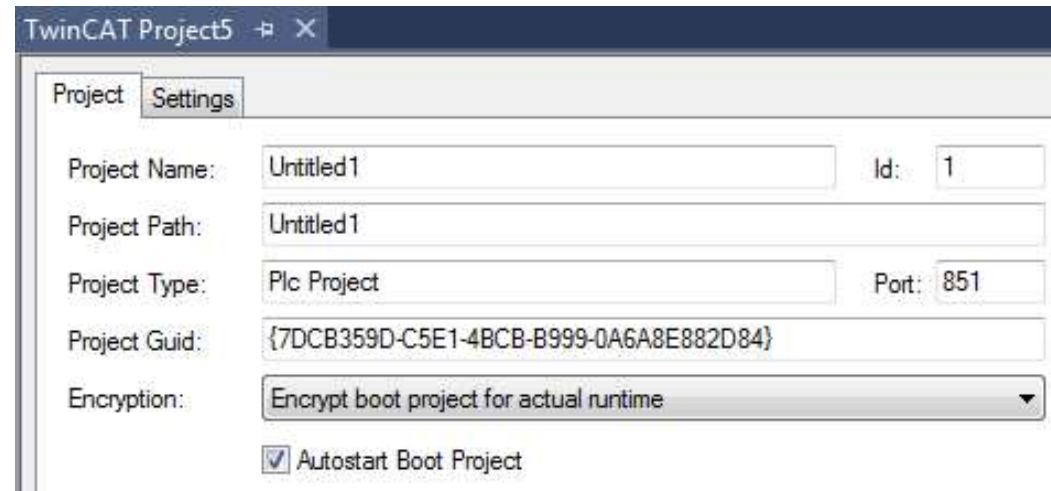
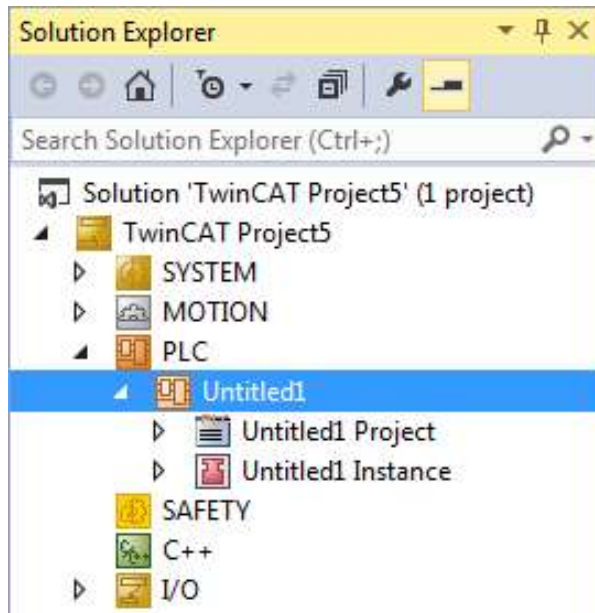


Boot Project

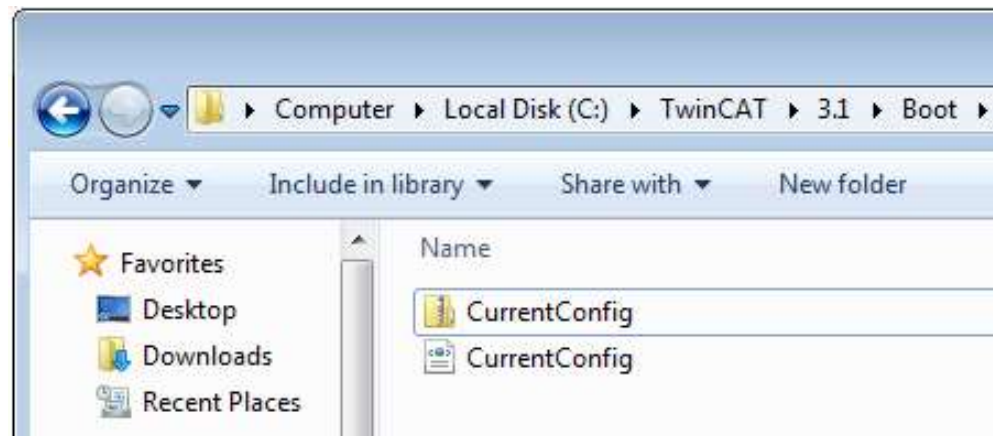
- The TwinCAT Boot Project is used on a production machine as the PLC code to be run when TwinCAT starts.
- The Boot Project in TwinCAT3 is Automatically created when the Configuration is “Activated”
- The default location for the Boot Project is C:\TwinCAT\3.1\Boot



- The “Autostart” for the boot project can be found by selecting the name of the PLC Project in the “Solution Explorer”



- Before activating the configuration the folder is empty, after a “Blank Configuration” has been added the follow files and folders are created.



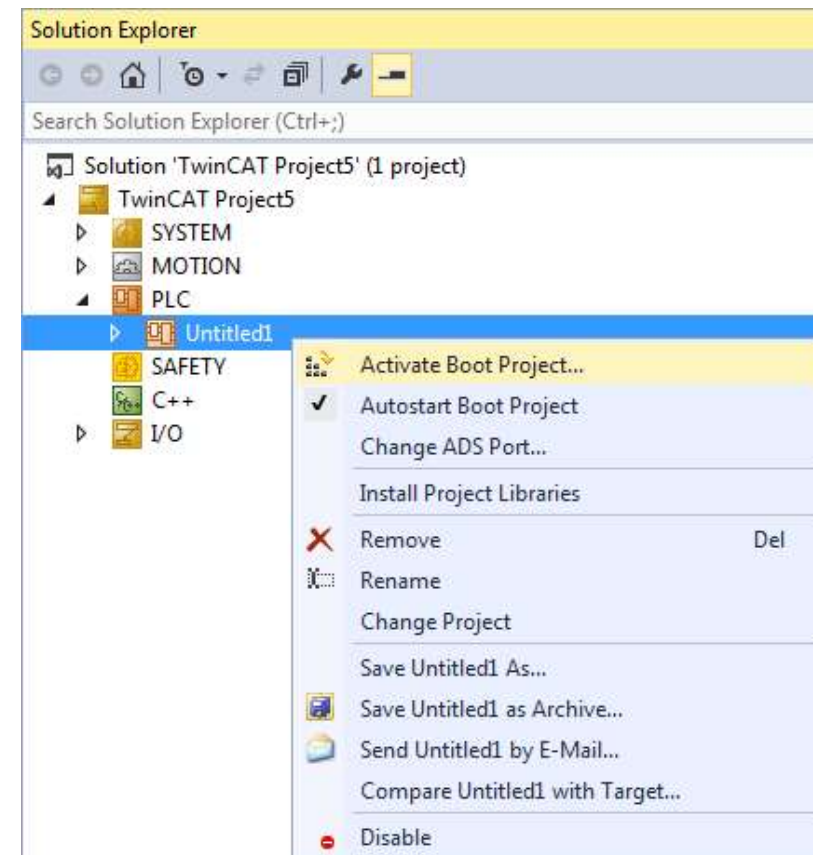
Boot Project

- Adding a PLC project and then Activating the Configuration provides the following



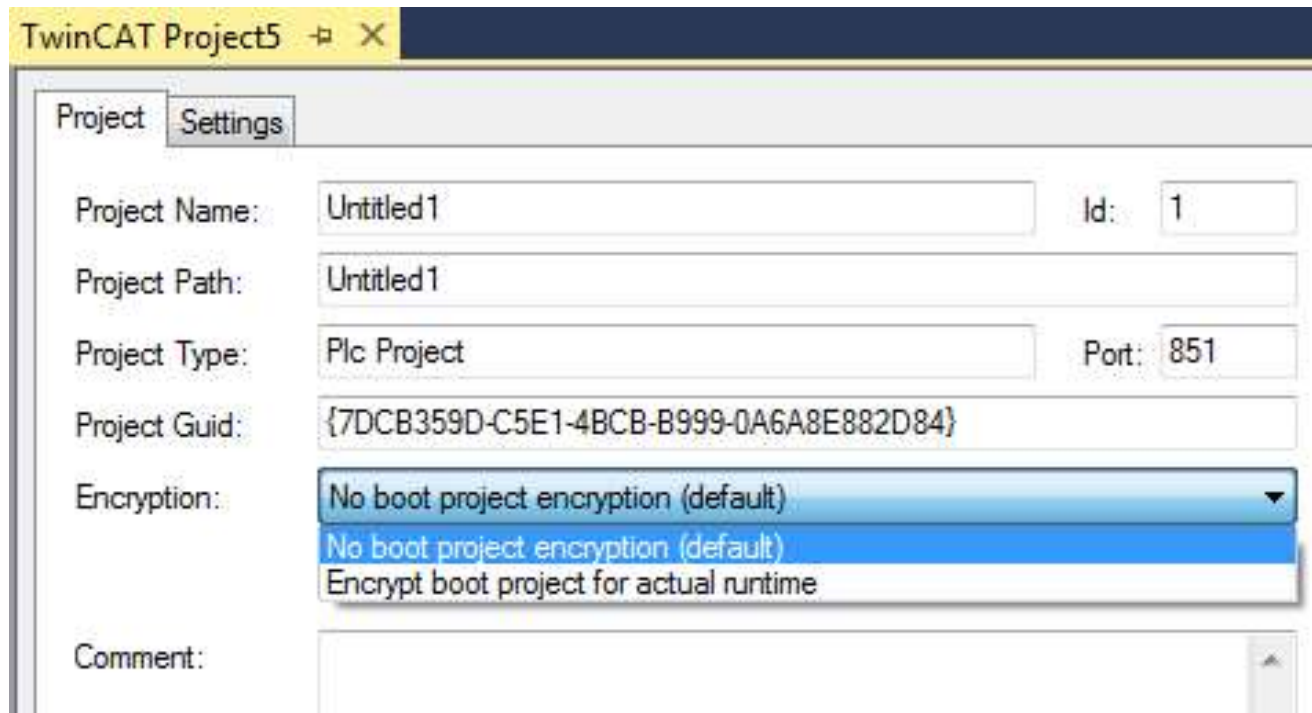
Boot Project

- A Right-Click on the Project Name in the Solution Explorer will provide a context menu that allows for “Activate Boot Project...” this way you can create a boot project without effecting the I/O configuration.
- There is also the option to Enable and Disable the Autostart of the boot project from here



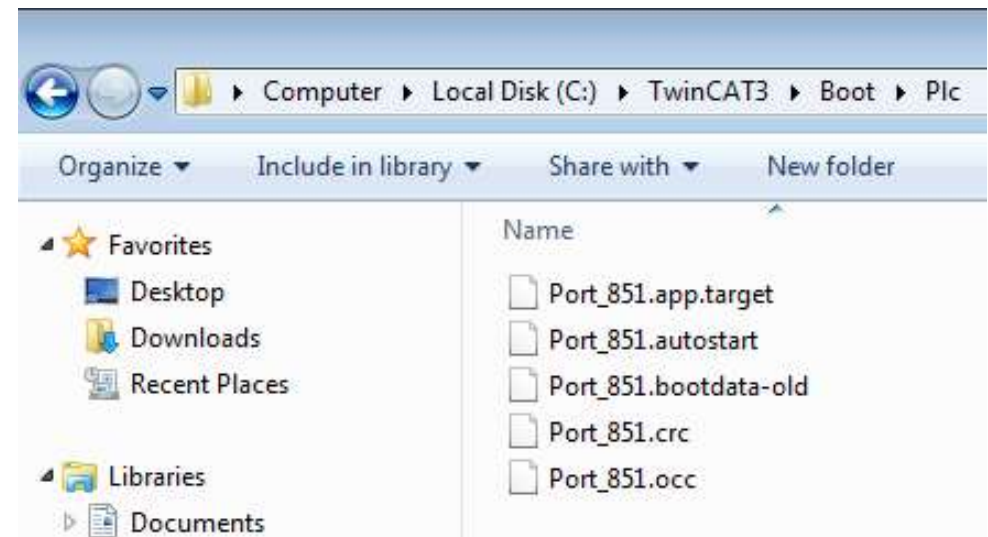
Boot Project - Encryption

- The option to Encrypt the boot project exists in a drop down list and can be accessed by selecting the project name in the solution explorer



Boot Project - Encryption

- The Boot folder holds a zip file that contains the files to recreate the project, all of these files can be opened by adding them as an existing item.
- The PLC folder contains the information of the actual



Boot Project - Encryption

- Removing the PLC folder from C:\TwinCAT\3.1\Boot will remove the boot project.
- If Encryption is enabled, these are the files that are encrypted.
- Encryption is done with Standard AES encryption.
- An encrypted boot project can only be run on its Target System; therefore moving an encrypted Boot folder from one CX to another will no longer function.

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