DEMO – Rockwell Logix Series with Blue Open Studio using AB CIP Driver.

Basics.

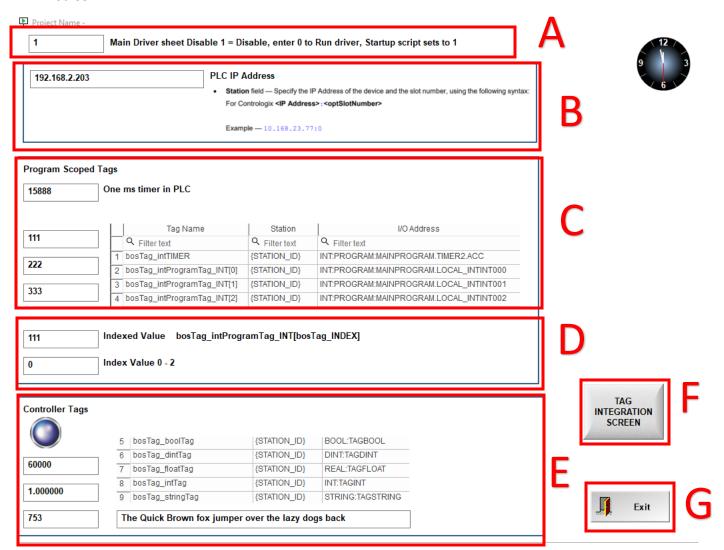
BOS Windows Runtime. V2023

Allen-Bradley 1756-L81E used for testing any logix CPU can be used.

Rockwell Studio 5000 V34

Blue Open Studio Application

MAIN Screen



A. Enable / Disable for Main Driver Sheet.

Uses <box>

disableDriverSheet>

1 = Disable, driver doesn't run, 0 = Enable driver runs

Startup Script sets this to 1 to disable when starting

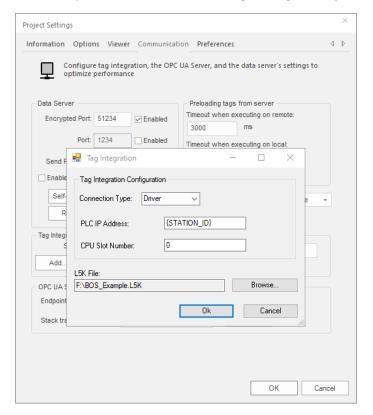
- B. PLC IP Address. Uses tag<STATION_ID>{var name} allows String Variable to be used in place of hard coded Station ID.
- C. Programmed Scoped Tags

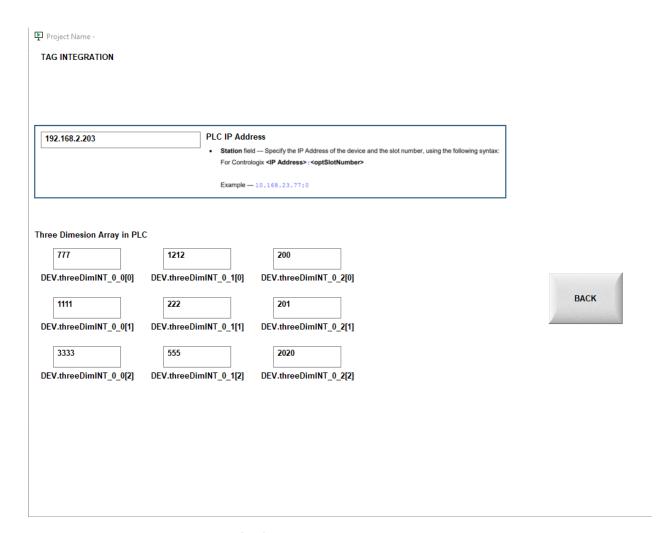
 One ms timer in PLC to check performance

 Programmed Scoped Integer tags
- D. Program scoped tags index bosTag_INDEX is used within an array value to index the value
- E. Controller Scoped Tags. Some Controller Scoped tags in different formats.
- F. Navigate to Tag Integration Screen
- G. EXIT BOS runtime

TAG INTEGRATION SCREEN

L5K file exported from Studio 5000 Logix Designer. Imported into BOS Tag Integration.





Files included: BOS_Example.ACD file from Studio 5000 V34

BOS_Example.L5K Exported L5K file from Studio 5000 for Blue Open Studio Tag Integration.

BOS to Logix Example.zip Blue Open Studio V2023 archived project file