Procedure for Automatic Device Configuration

A. Getting Started Notes:
   a. The PLC Project must be complete as far as device parameters are concerned with the Drive and must be in the IO tree with normal green status indications.
   b. To allow the storage of the firmware in the SD card, the computer/VMware used, must have matching Firmware installed for all devices planned for ACD setup. In the video example, PLC firmware Rev 30.011 and the ControlFlash for PowerFlex 525 Drive firmware 4.001 was installed.

B. Getting Started:
   a. In RSLogix 5000 or Studio 5000 Logix Designer, ensure the PLC is in “Program Mode”.
   b. Ensure all devices have the device profile’s (drive’s profile in this example) Electronic Keying is set to “Exact Match”. (See screen shot 1 below.)
   c. In the Drive Profile, Select the “Drive” tab, “ADC”, then check Enable ADC and so on for each device below.
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d. Next, go to “Controller Properties” and select the “Nonvolatile Memory” (which is the SD card).
   i. Select “Load/Store”.

e. Select “Automatic Firmware Update” / “Enable and Store Files to Image”.

f. Select “Store”

g. Hit Yes for the “Continue with the Store” message.

h. Then you’ll see a confirmation warning on what will “NOT” be stored to the SD card. If the Controller or Drive appear in the list, something was missed above.

i. The controller will disconnect the computer causing it to go offline.

j. If a new drive has a firmware that is later, it should down rev it to match what is stored in the SD card. My example down revs from firmware 5 to 4.

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