1.Install TF6100 Function OPCUA Server In Target & Engineering PC (Restart after Installation)

2.Install TF6100 Function OPCUA Configurator In Engineering PC (Used for Configuration of OPC Server in Visual Studio or as an Stand Alone Application) (Restart after Installation)

3. Create an Global Variable with below attribute (Look into document for further attributes)

For Twincat 3

{attribute 'OPC.UA.DA' := '1'}

bVariable : BOOL;

For Twincat 2

bVariable : BOOL; (\*~ (OPC:1:some description) \*)

Graphical user interface, text, application

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4. 4.Go Double Click on Top of PLC Project -> settings -> Check TMC File

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5. Then Build Project & Activate Project (Local or Target PC)

6.Open OPC UA Configurator(Stand Alone) ->Click Edit

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7. Enter the below address in Server & click get End Points

opc.tcp://<IPAddress>:4840

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8.Select Endpoints as (SignAndEncryptBasic256Sha256:Binary) & Click add

Graphical user interface, application, Word

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Graphical user interface, text, application, email

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10.Initalization Has to done first time when server is setup & enter username & password after click ok below logging message will come that server has been initialized

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Graphical user interface, text, application, email

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11.Now again try to connect it will ask for user name, after entering password click ok then on top connection status should be connected

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12.In Target Browser, go to object -> PLC1 -> Go down find the folder which will be named as Global variable name (Ex: OPC)

Graphical user interface

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13.By using Sample OPC Client you cab login with above created username & password, double click on variable which ever need to be monitored/Watchlist

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14.Double click on the tag & can change the value, click OK & then check the changed status inside the PLC

Graphical user interface, application

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