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Author	James	Version	1.0.0	Date	2010/7/12	Page	1/2

How to connect PC to PC via NAPOPC DCOM settings?

Applies to:

Platform	OS version	NAPOPC version
PC	XP	NAPOPC_ST v3.20

In this case, one of PC is OPC Client, and another PC is OPC Server. Set up DCOM settings of each PC (Client and Server) first, and then PC (Client) could take the data from NAPOPC_ST of another PC (Server) by the OPC Client program.

Step 1:

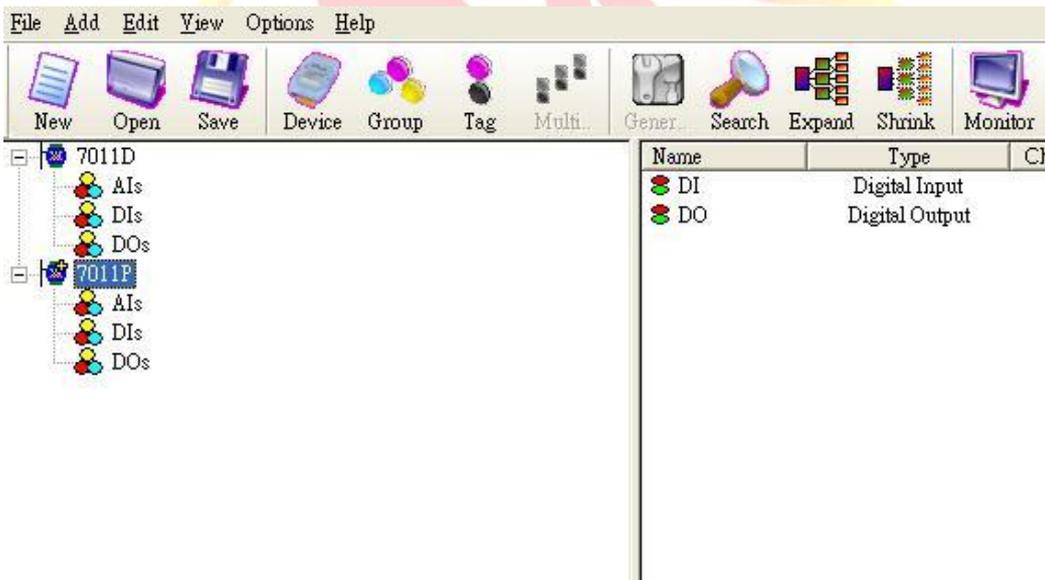
Accomplish DCOM settings of PC (Server). Please refer to NAPOPC_ST manual 4.2.2.

Step 2:

Accomplish DCOM settings of PC (Client). Please refer to NAPOPC_ST manual 4.2.4.

Step 3:

Edit your NAPOPC_ST project on PC (Server).



Step4:

Execute your OPC Client program on PC (Client), and connect it to NAPOPC_ST of another PC (Server). Furthermore, you could exchange data between two PCs. In following capture, the OPC Client program is **Server Explorer** (Provided by NI).

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Name (Device\...)	Item ID	Value	Timestamp	Quality
7011D.AI...	7011D.AIs.Ch00	-0.0494076	17:04:57:516	Value good
7011D.DI	7011D.DI	3	17:04:57:516	Value good
7011D.DL...	7011D.DIs.Ch00	-1	17:04:52:559	Value good
7011D.DO	7011D.DO	0	08:00:00:000	Value good
7011D.D...	7011D.DOs.C...	-1	17:04:52:489	Value good
7011D.D...	7011D.DOs.C...	-1	17:04:52:489	Value good
7011P.AIs...	7011P.AIs.Ch00	-4.783867E-02	17:04:57:546	Value good
7011P.DI	7011P.DI	13	17:04:57:546	Value good
7011P.DIs...	7011P.DIs.Ch00	-1	17:04:52:509	Value good
7011P.DO	7011P.DO	0	08:00:00:000	Value good
7011P.DO...	7011P.DOs.Ch...	-1	17:04:52:519	Value good
7011P.DO...	7011P.DOs.Ch...	-1	17:04:52:519	Value good

The Client is Getting data from NAPOPC_ST of the Server

NOTE:

1. The User Account of both Server and Client must be the same. Please pay attention to it when you set User Account.
2. Install NAPOPC_ST DA Server on both Server and Client, it's better for data exchange.
3. Please notice the last step of DCOM settings on "Client".

NAPOPC DA Server properties -> Location: You have to input the IP Address of "Server".

NAPOPC_XPE DA Server Properties

General **Location** Security Endpoints Identity

The following settings allow DCOM to locate the correct computer for this application. If you make more than one selection, then DCOM uses the first applicable one. Client applications may override your selections.

Run application on the computer where the data is located.

Run application on this computer.

Run application on the following computer:

192.168.1.91

OK Cancel Apply